



MicroPort Scientific Corporation (the "Company" or "MicroPort") and its subsidiaries (collectively the "Group") is a leading medical device group focusing on innovating, manufacturing and marketing highend medical devices globally. With a diversified product portfolio now being used in over 20,000* hospitals in the world, the Group maintains world-wide operations in a broad range of business segments including cardiovascular devices, orthopedics devices, cardiac rhythm management ("CRM"), endovascular and peripheral vascular devices, neurovascular devices, heart valve, surgical robot, surgical devices and other business. Every six seconds, one of MicroPort's products is being used worldwide to save life, improve life quality or help create life. The Group is dedicated to becoming a patient-oriented global enterprise that will continuously innovate and provide trustworthy and universal access to state-of-the-art solutions of prolonging and reshaping lives.

The Group is human-oriented and is committed to improving people's lives through practical application of innovative science. We continually develop leading technologies and products for physicians and provide trustworthy and universal access to state-of-the-art solutions of prolonging and reshaping lives to patients. We are a young group with an ambition to establish MicroPort as a globally recognised brand. Yet as the business grows, we strive to retain our unique entrepreneurial spirit and our commitment to improving the social well being, and continue to demonstrate entrepreneurial achievement and innovation spirit.

We have a large and growing intellectual property portfolio and a strong research and development ("R&D") team. We work in close cooperation with internationally recognized physicians and scientists worldwide, to develop a range of products that meet the highest quality and clinical standards. As we strive to provide state-of-the-art medical technologies and deliver new-generation medical devices and treatments for chronic ailments, our R&D team applies their expertise to ensure the sustained innovation of our latest products.

With a large global footprint of R&D and manufacturing facilities in Shanghai, Suzhou, Jiaxing, Shenzhen in China, Memphis in the United States, Clamart in France, Saluggia in Italy and Dominican Republic, a strong focus on technological innovation with over 9,500* patents (including applications), and a global workforce nearly 9,000, MicroPort is committed to achieving its corporate vision.

Our products touch the lives of many people every day and we take this important responsibility very seriously. We are proud that MicroPort products will always achieve the highest standards of quality and ensure improved health for the patients. We know our products offer hope and relief to many people around the world, and every one of our employees takes personal responsibility to achieve our vision.

It is our commercial achievements that enable us to contribute back to the society, which makes our success deserved. Our commitment to social responsibility is an important aspect of our company culture and philosophy. MicroPort works diligently to build strong relationships with all our international partners and all our stakeholders, because we take our community as an essential part of our business, and we strive to pursue the essence to achieve the greatness.

OUR VISION

PEOPLE ORIENTED

Building a Super-Conglomerate of People Centric Enterprises of Emerging Medical Technologies.

OUR MISSION

CONTINUOUS INNOVATION

To Provide Trustworthy and Universal Access to State-of-the-Art Solutions of Prolonging and Reshaping Lives.

Note: Such numbers include the numbers of equity-accounted investees



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CORPORATE INFORMATION

HONORARY CHAIRMAN

Mr. Hiroshi Shirafuji (with effect from 13 January 2023)

DIRECTORS Executive Director

Dr. Zhaohua Chang (Chairman of the Board and Chief Executive Officer)

Non-Executive Directors

Mr. Hiroshi Shirafuji (elected on 19 June 2023)

Mr. Norihiro Ashida

Ms. Weigin Sun (appointed on 30 August 2023)

Dr. Qiyi Luo (appointed on 30 August 2023)

Dr. Yasuhisa Kurogi (retired on 19 June 2023)

Mr. Hongliang Yu (resigned on 30 August 2023)

Independent Non-Executive Directors

Mr. Jonathan H. Chou

Dr. Guoen Liu

Mr. Chunyang Shao

COMPANY SECRETARY

Ms. Yuen Wing Yan Winnie, FCG, HKFCG

AUTHORIZED REPRESENTATIVES

Dr. Zhaohua Chang

Ms. Yuen Wing Yan Winnie

AUDIT COMMITTEE

Mr. Jonathan H. Chou (Chairman)

Mr. Norihiro Ashida

Mr. Chunyang Shao

REMUNERATION COMMITTEE

Dr. Guoen Liu (Chairman)

Dr. Zhaohua Chang

Mr. Jonathan H. Chou

NOMINATION COMMITTEE

Mr. Chunyang Shao (Chairman)

Dr. Guoen Liu

Ms. Weiqin Sun (appointed on 30 August 2023)

Mr. Hongliang Yu (resigned on 30 August 2023)

STRATEGIC COMMITTEE

Dr. Zhaohua Chang (Chairman)

Mr. Hiroshi Shirafuji (appointed on 19 June 2023)

Mr. Jonathan H. Chou

Ms. Weiqin Sun (appointed on 30 August 2023)

Dr. Qiyi Luo (appointed on 30 August 2023)

Dr. Yasuhisa Kurogi (retired on 19 June 2023)

Mr. Hongliang Yu (resigned on 30 August 2023)

REGISTERED OFFICE

PO Box 309, Ugland House

Grand Cayman, KY1-1104

Cayman Islands

PRINCIPAL PLACE OF BUSINESS AND HEAD OFFICE IN THE PEOPLE'S REPUBLIC OF CHINA (THE "PRC")

1601 Zhangdong Road

Zhangjiang Hi-Tech Park

Shanghai 201203

The PRC

PLACE OF BUSINESS IN HONG KONG

5/F, Manulife Place

348 Kwun Tong Road

Kowloon

Hong Kong

AUDITOR

KPMG

Public Interest Entity Auditor registered in accordance with the Accounting and Financial Reporting Council Ordinance

LEGAL CONSULTANT

Sidley Austin

SHARE REGISTRAR IN HONG KONG

Computershare Hong Kong Investor Services Limited

Shops 1712-1716, 17th Floor, Hopewell Centre

183 Queen's Road East

Wanchai

Hong Kong

COMPANY WEBSITE

www.microport.com

SECURITIES CODES

Stock: 00853.HK

Bonds: 40720 HK

PRINCIPAL BANKERS

Bank of China (Hong Kong) Limited

China Construction Bank Corporation Shanghai Pudong Branch

Bank of China Limited Shanghai Zhangjiang Sub-Branch

China Minsheng Banking Corp., Ltd Shanghai Pilot Free Trade Zone Branch

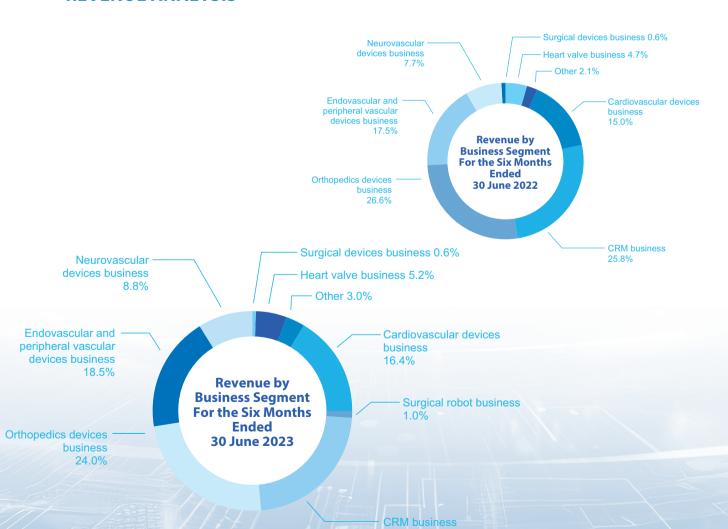
Bank of America

BNP Paribas

FINANCIAL HIGHLIGHTS

	Six months ended 30 June							
	2023 US\$'000	2022 US\$'000	Change %					
Revenue	482,605	404,984	Increased by 19%					
Gross profit	288,416	247,702	Increased by 16%					
Loss for the period	(219,921)	(253,275)	Decreased by 13%					
Loss attributable to equity shareholders of the Company	(162,618)	(198,130)	Decreased by 18%					
Loss per share – Basic (in cents) Diluted (in cents)	(8.94) (9.45)	(10.94) (11.28)	Decreased by 18% Decreased by 16%					

REVENUE ANALYSIS



CEO STATEMENT

Since the beginning of 2023, as major economies in the world fully entered the post-pandemic era, "recovery" has increasingly become the keynote of the world. The global prospects for the economic growth remained highly uncertain due to the tardy decline in core inflation indicators and tightening monetary policies worldwide. China partially eased the triple pressures of "shrinking demand, disrupted supply and weakening expectations", and therefore saw a sound recovery in the macro economy. In the face of both opportunities and challenges, MicroPort followed the strategy of "achieving the greatness" and made concerted efforts to "pursue the essence". In order to offer maximum benefits to the patients, MicroPort is committed to the quick, effective and continuous development of industry-leading high-end medical devices.

During the six months ended 30 June 2023 (the "Reporting Period"), the routine diagnostic and treatment activities have fully recovered with a significant rebound in rigid medical demand. Due to the rapid growth in the demand side, the Group achieved revenue of US\$483 million for its global operations, representing a significant increase of 25% Note as compared to the corresponding period of last year. In particular, the neurovascular devices business, the cardiovascular devices business, the heart valve business and the endovascular and peripheral vascular devices business recorded rapid revenue growth of 45%, 42%, 41% and 36% Note respectively as compared to the corresponding period of last year. The commercialization of the surgical robot business has made steady progress, with its revenue growing significantly by 3,110% Note as compared to the corresponding period of last year; and the orthopedics and CRM businesses also maintained a steady growth. During the Reporting Period, benefiting from the rapid revenue increase and the continuous cost reduction and efficiency enhancement, the loss attributable to equity shareholders of the Company was narrowed by 18% as compared to the corresponding period of last year.

In terms of the cardiovascular devices business, we were committed to offering integrated solutions for the treatment of coronary artery-related diseases around the world, and our industry-leading position as a "forerunner" was further cemented thanks to the growing presence and coverage of our product mix. During the Reporting Period, the global revenue achieved a year-on-year growth of 42%, of which the international business achieved a significant revenue growth of 94% due to the rapid increase in overseas penetration. Since 2023, we have made significant breakthroughs in the product mix of cardiovascular devices, and further diversified our commercial product portfolio due to the milestone registration of several access products. Among them, Firesorb® bioabsorbable stent system and other several key products were submitted for approval and registration, which will generate stable revenue. In terms of active products, we have completed the enrolment of patients for the pre-marketing clinical trial of the rotational atherectomy system and the shock wave balloon catheter system, and are conducting the follow-up of patients. Such active products are expected to solve the unmet clinical needs in the coronary field, and bring sustained benefits to patients.

In terms of the orthopedics business, the global revenue achieved a year-on-year growth of 10% as driven by the huge increase of orthopedics devices business in China. To cope with the short-term unmet market demand arising from the surging terminal surgeries in China after the Spring Festival, we capitalized on our excellent products to take over the market share resulting from the strategic withdrawal of importers. The implant volumes of joint products nearly doubled year on year, and the market share of joint products also increased rapidly. In the overseas market, we proactively enhanced the recognition of "Medial-Pivot Knee" concept in the global market and exerted the synergy effect of orthopedic surgical robots, thus achieving a rapid revenue increase of related products. Meantime, in order to better solve the supply risk of key raw materials and important parts, we actively explored the selection of additional suppliers to ensure a stable and sustained supply chain.

In terms of the CRM business, the global revenue achieved a year-on-year growth of 5% during the Reporting Period. In the overseas market, the Group recorded a remarkable growth of high-performance product matrix, and the sales of Bluetooth® pacemakers and implantable cardioverter-defibrillators ("ICD") increased by 49% and 13% year on year, respectively. We further deepened the "globalization" process of such products to expand the high value-added market, including seeking for the FDA approval for new-generation implantable Bluetooth pacemaker and its supporting product portfolio and the launch of magnetic resonance imaging ("MRI")-compatible ICD series products in Japan. In the PRC market, due to the full recovery of the cardiac pacemaker market, our self-developed Rega® pacemaker, currently the only home-made MRI-compatible pacemaker product, rapidly increased sales since its mass production, leading to a substantial revenue increase of 107% in the domestic market and further consolidating its leading position with the largest market share among domestic brands.

In terms of the endovascular and peripheral vascular devices business, benefiting from the rapid recovery of hospital surgeries and the continuous penetration into lower-tier markets, the Group achieved a rapid year-on-year revenue growth of 36%; of which, the international business recorded a year-on-year revenue growth of 114%, with its products sold in 28 overseas countries and regions including Europe, Latin America and Southeast Asia.

CEO STATEMENT

In terms of the neurovascular devices business, the Group achieved a year-on-year revenue growth of 45% for this segment and a significant improvement in profitability during the Reporting Period. The operating profit increased by approximately 505% year on year, and the net profit recorded a turnaround to profit from loss as compared to the corresponding period of last year. Since 2023, the Group have stepped up the development of various new therapeutic and access products in this field. With the launch approval for Q-track® Microcatheter, Tigertriever® Revascularization Stent, Veyronwire™ Neurovascular Guidewires and W-track® Aspiration Catheter, the Group further deepened the gradient presence in three major areas of neurovascular diseases.

In terms of the heart valve business, the Group achieved a high year-on-year revenue growth of 41% and a sustained increase in the gross profit margin during the Reporting Period. In terms of registration and R&D, the Group promoted the CE registration application for VitaFlow Liberty* in an orderly manner and achieved milestone progress, which is expected to further expand the overseas footprint of the Group. Our self-developed world's first dry mitral valve replacement system, which has achieved excellent results for the one-year follow-up visits, successfully completed several human implantations and were highly recognized by patients.

In terms of the surgical robot business, with Toumai® entering a new stage of commercialization, the rapid market expansion of SkyWalker™ in overseas markets, and the progress of the commercialization process for DFVision® in an orderly manner, the Group achieved a significant year-on-year revenue growth of 3,110%. Meantime, Mona Lisa robotic prostate puncture positioning system has been approved by the National Medical Products Administration ("NMPA"), which became the first certified robot in this field in China and further expanded the boundaries of treatment. Based on strict and sufficient technical and ethical argumentation, we accelerated the promotion of 5G remote robot-assisted surgery, and promoted the penetration of high-end medical resources into remote areas. As of the end of August, our products have assisted medical personnel in multiple regions to complete more than 50 5G remote surgeries, with a view to greatly solving the painstaking medical treatment and diagnosis of patients in remote areas and gradually eliminating the differences in regional medical resources.

We are committed to the quick, effective and continuous development of industry-leading high-end medical devices. During the Reporting Period, we have achieved fruitful results in the registration of product lines. A total of 18 products of the Group and its associates were approved for marketing by the NMPA, 11 products obtained the approval from the FDA, and 7 products obtained the CE Mark from the EU. The Group benefited from China's system reform to encourage innovative medical devices and reward high-quality industrial development. As at the end of the Reporting Period, a total of 30 products of the Group were included in the special review procedures for innovative medical devices, ranking first in the industry for the eighth consecutive year. Under the "Green Path" policy, a number of world-leading innovative products that were not available in China have been approved for marketing at a faster pace, and are expected to provide patients with more high-quality and inclusive medical solutions to choose from.

We are committed to our belief of "Breaking Barriers to Help Billions of People to Live Beyond 115 Years", and actively pursue our mission of "Providing Trustworthy and Universal Access to State-of-the-art Solutions of Prolonging and Reshaping Lives" for society, and promote our medical devices and disease solutions to every corner of the world. We insist on green and sustainable development to drive the overall development of the medical device industry and the society. We adhere to people orientation, care for employees and protect patients. We deeply penetrate into the markets in lower-tier regions, and popularize our rich products and disease solutions to regions with the relatively weak medical level or underdeveloped countries, so as to meet the aspirations of more patients worldwide for human life and a better life.

In the future, we will remain true to the original aspiration, strive to realise the vision of solving clinical pain points and filling medical gaps, and actively fulfill our corporate mission. Meanwhile, close attention will be paid to the demands of stakeholders. We will insist on "people-orientation" and seek steady development to create long-term common value for our stakeholders while providing cutting-edge medical solutions to patients worldwide in the post-pandemic era.

Note: All the revenue growth rates mentioned above are the information compared to the corresponding period of last year and excluding the foreign exchange impact

BUSINESS REVIEW

Overview

Since the beginning of 2023, the major global economies have basically overcome the COVID-19 pandemic, but the slow decline in core inflation of developed countries and the continuous tightening of monetary policies have hindered the recovery of the global industrial chain, weakened the manufacturing sector, and slowed down trade and investment, resulting in the sluggish recovery of the world economy. With the full resumption of normalcy of society, the Chinese economy has improved steadily, achieving stable progress in high-quality development and showing a clear trend towards mid- to high-end industrial development. In the post-pandemic era, the development of global healthcare industry has returned to the right track. As the aging problem worsens and disposable income continues to rise in the medium to long term, the sharply expanding market demand will definitely maintain the steady growth of the healthcare industry.

In the international market, developed countries and regions have reached a high level of end-market penetration of medical devices, and the demand for differentiated innovation is increasingly high; there are broad growth prospects in emerging markets and excellent product quality has further become the core element of market development. In an increasingly fierce market environment, enterprises must have the ability to provide overall solutions and build international brands with outstanding "product power"; meanwhile, only by actively expanding channel resources, constantly deploying technological innovations and systematically building a global ecosystem can enterprises accelerate and deepen their internationalization journey and achieve an extensive and efficient market coverage.

In China, the reform of the medical and healthcare system has entered a new stage of "high-quality development", and the government has put forward higher requirements for deepening the reform to better facilitate the construction of "Healthy China". Since early 2023, the State Council has successively approved and issued the Opinions on Further Improving the Medical and Healthcare Service System and the Key Tasks for Deepening the Reform of the Medical and Healthcare System in the Second Half of 2023. Such policy support will accelerate further improvement of the medical and healthcare service system, enhance the balanced allocation of resources and services, allow people to enjoy fair, accessible, systematic and continuous healthcare services in their proximity, and promote a significant improvement in their overall health. In order to promote the high-quality development of public hospitals and further facilitate the expansion and allocation of high-quality medical resources among the mass public, the National Health Commission issued the "14th Five-Year Plan" for the Allocation of Large-scale Medical Equipment during the Reporting Period. The number of newly allocated equipment has substantially increased, which will drive the upgrading of the industry chain of large-scale medical equipment and promote the innovative development of high-end medical equipment. In order to further optimize the multi-level medical security system, many cities in China have collaborated to promote the medical system reform. In particular, Beijing has issued the DRG Payment and Volume-Based Procurement ("VBP") Linkage Management Plan for Medical Institutions for examining a new cost control model led by medical institutions. While pursuing reasonable cost reduction, the remaining funds are expected to flow towards innovative products with more clinical value. Shanghai has issued Several Measures for Further Improving the Multi-Payment Mechanism to Support the Development of Innovative Medicines and Devices to increase the clinical application of innovative medicines and devices in hospitals and the medical insurance payment support and substantively encourage enterprises to accelerate technological innovation. Generally speaking, the promulgation of various policies aims to channel the development of the medical industry towards higher quality. With the continued deepening of the medical system reform, high-quality innovative enterprises are expected to embrace a broad space for development.

In terms of reportable segments in financial reporting, the Group features eight major business segments: cardiovascular devices, orthopedics devices, CRM business, endovascular and peripheral vascular devices, neurovascular devices, heart valve, surgical robot and surgical devices. As of the end of the Reporting Period, the Group (also through its equity-accounted investees) had approximately 9,500 patents (including those under application) around the world, and its products were being used in over 20,000 hospitals in more than 100 countries and regions around the world. The Group also offered over 600 medical solutions to patients worldwide, covering the circulatory system, nervous system, kinetic system, endocrine system, urinary system and reproductive system. As a leading global enterprise of innovative high-end medical devices, the Group has continuously promoted the rapid development of its global business, with a number of innovative products approved in domestic and overseas markets for launch during the Reporting Period, providing strong impetus for the high-quality and sustainable growth of its business.

During the Reporting Period, the routine diagnostic and treatment activities have fully recovered with a significant rebound in rigid medical demand, and the number of multi-disciplinary surgeries has rapidly increased. Benefiting from the continuous deepening of globalization, the accelerated launch of new products and the rapid growth on the demand side, the Group achieved revenue of US\$482.6 million for its global operations, representing a significant increase of 25% excluding the foreign exchange impact as compared to the corresponding period of last year; among which, revenue from the international (non-China) business amounted to US\$234.4 million, representing a steady increase of 11% excluding the foreign exchange impact as compared to the corresponding period of last year. We are pleased to note that the Group's cardiovascular devices business, endovascular and peripheral vascular devices business, neurovascular devices business and heart valve business have all recorded a rapid growth in revenue, increasing by 42%, 36%, 45% and 41% respectively as compared to the corresponding period of last year; the commercialization of the surgical robot business has made steady progress, with its revenue growing significantly by 3,110% as compared to the corresponding period of last year. In the first half of the year, the Group recorded an 18% decrease in loss attributable to equity holders to US\$162.6 million as compared to the corresponding period of last year.

Cardiovascular Devices Business

The cardiovascular devices business offers integrated medical solutions for the treatment of coronary artery-related diseases, develops, manufactures and commercializes industry-leading coronary stents and related delivery systems, along with balloon catheters, passive accessories and active devices. It is committed to fulfilling the overall demands of patients worldwide and providing integrated, precise and intelligent cardiovascular solutions.

Cardiovascular diseases are the leading causes of human death and loss of healthy life span, and rank first in terms of burden of disease around the world. With the continuous expansion of the global senior population and due to the negative impacts of lifestyle changes, the incidence of cardiovascular diseases is rising, and the demand for coronary interventional therapies keeps growing year by year. In recent years, minimally invasive surgery for vascular intervention has increased in precision. As for the diagnosis and treatment methods, the concept of percutaneous coronary intervention ("PCI") precision treatment represented by intracavity imaging technology has become a developing trend, and innovative treatment methods represented by active intervention continue to expand the boundaries of treatment; surgical robots provide assistance in the entire process of disease management, forming multi-system functional integration and closed-loop data building, and also significantly shortening the learning curve of surgeons. With the support of multiple innovative technologies, the global end market of cardiovascular interventional treatment continues to expand.

As of the end of the Reporting Period, the cardiovascular business segment of the Group had 6 drug-eluting stents and 4 balloon products on sale, with its business presence in over 40 countries and regions around the world, and has become the global leader in the area of coronary interventional treatment. During the Reporting Period, the Group's cardiovascular business recorded global revenue of US\$79.2 million, representing a significant increase of 42.4% excluding the foreign exchange impact as compared to the corresponding period of last year, mainly due to the fast-growing penetration rate in the international market and revenue growth arising from the rapid recovery of domestic surgeries.

In the overseas market, the synergies of the Group's products have brought increasingly significant brand advantages. During the Reporting Period, the Group has continued to deepen the development of high-potential markets and rapidly increased its market share in regions with existing coverage. The business segment achieved sales revenue of approximately US\$16.1 million, representing a significant increase of 93.7% excluding the foreign exchange impact as compared to the corresponding period of last year. In terms of regions, Asia (excluding China) and South America recorded a significant increase in sales, with revenue increased by 142% and 125% excluding the foreign exchange impact year on year respectively. In terms of products, the increase in overseas revenue was mainly attributable to the rapid growth in sales of coronary balloon and stent products during the Reporting Period, with a year-on-year increase in product revenue of 130% and 59% respectively. During the Reporting Period, through continuous construction and optimization of the marketing teams and expansion and iteration of the distribution networks, the Group's coverage of hospitals in various countries and regions increased significantly, with a correspond rapid increase in market share; meanwhile, based on its strength in multi-product portfolio, the Group's stent and balloon products have fully covered the demand in various markets, and benefiting from the increase in the sales volume of high-end products and the rapid increase in the market share in high unit price countries and

non-standard markets, the gross profit margin for the segment increased by 4 percentage points year on year during the Reporting Period. The Group continued to promote overseas channel expansion and newly developed channel distributors in six countries and regions during the Reporting Period, mainly in the EMEA region; as of the end of the Reporting Period, the sales of coronary stent products have covered 73 overseas markets and a total of 63 overseas markets for balloon products. In terms of product registration and certification, the coronary stents have obtained 5 initial registrations in 4 countries or regions, while the balloon products have obtained 1 initial registration in 1 country or region.

In China, the business segment achieved sales revenue of approximately US\$63.1 million, representing a significant increase of 33.5% excluding the foreign exchange impact as compared to the corresponding period of last year. During the Reporting Period, the domestic demand for cardiovascular intervention surgeries have gradually recovered, and the Group's shipments of both coronary stents and balloon products continued to increase, with the market share ranking first in the PRC. In terms of access consumables, benefiting from the rapid growth in sales of highvalue-added products, the revenue increased significantly by 91.9% year on year. The Group will fully leverage its channel strengths in the field of cardiovascular intervention surgeries to facilitate the extension of its products and services, and actively promote the implementation of medical and healthcare reform policies, and continue to push forward the stable development of its business in compliance with the law. During the Reporting Period, the formal implementation of the procurement price following the expiration of the agreement on coronary stents has helped enhance the overall profit level of the segment. Based on the large-scale digital production capacity and the continuous promotion of upstream and downstream integration, the Group will continue to guarantee the supply volume committed according to the required quality and quantity, and further consolidate its dominant market position in the field of cardiovascular interventions, while fulfilling its social responsibility and meeting the needs of patients. Since its launch in 2017, the "Swallow Program", which focuses on developing the uncharted healthcare markets in lower-tier regions, has covered the minimally invasive business in over 1,000 county-level administrative areas nationwide, saving the lives of a total of more than 300,000 patients. Through the promotion of medical education, the construction of internet systems for lower-tier hospitals and improvement on patient management and referral capabilities, the program is committed to helping county-level hospitals increase their ability in precision interventional treatment, enabling patients in lower-tier regions to enjoy quality and affordable high-end medical solutions.

Orthopedics Devices Business

The orthopedics devices business offers overall solutions for the treatment of orthopedic problems, with an extensive range of orthopedics products that include reconstructive joints, spine and trauma products, and other professional implants and instruments.

During the Reporting Period, revenue from the global orthopedics business was US\$115.9 million, representing an increase of 10.0% excluding the foreign exchange impact as compared to the corresponding period of last year. The Group has continued to promote resource integration and deepen cooperation with domestic and overseas R&D and production teams to enhance efficiency and reduce costs, successfully achieving a year-on-year decrease in net loss of the segment.



In the overseas market, despite the supply chain issue caused by component shortage in the second quarter, the Group's international (non-China) orthopedics business still recorded a revenue of US\$104.2 million, representing an increase of 7.7% excluding the foreign exchange impact as compared to the corresponding period of last year. In particular, owing to the continuous channel expansion, revenue in EMEA recorded a year-on-year increase of 18%. In terms of products, the Group's Medial-Pivot Knee System has rapidly won recognition in the global market with its advanced implant design concept and long-term proven clinical evidence. Thanks to its strong sales growth of medial-pivot products, the Group recorded a 16% year-on-year growth in knee products. During the Reporting Period, the Group has implemented systematic adjustment to supply chain organization through actively bringing on secondary sources to cope with potential supply risks in the future. As of July 2023, the first batch of key components and castings was delivered and backorders have significantly decreased since the second half of 2023. We expect that the supply chain improvement will continue, and the growth trend of revenue will be gradually back to normal.

In China, demand for orthopedic surgeries has surged since February 2023. During the Reporting Period, the orthopedics business in the PRC recorded revenue of US\$11.6 million, representing an increase of 51.1% excluding the foreign exchange impact as compared to the corresponding period of last year, as driven by the rapid growth in terminal implantation volume. In terms of joint business, the strong recovery in demand for elective surgeries and the strategic contraction of imported manufacturers have released a large amount of blank market demand; thanks to the outstanding product advantages and continuous channel construction, the Group's implantation volume of joints nearly doubled year on year during the Reporting Period. Of which, the implantation volume of imported internal-axis knee grew particularly fast and fully took over the market share of foreign players, reaching nearly triple of the implantation volume as compared to the corresponding period of last year. During the Reporting Period, the Group further promoted the integration of the orthopedic supply chain and optimized the utilization of resources, resulting in a significant increase in gross profit margin by 16 percentage points. In terms of spine and trauma business, the national VBP results of spines and the provincial VBP results of trauma products in Jiangsu Province were officially implemented during the Reporting Period, and the sales of this business suffered a temporary impact due to factors such as decrease in the unit price of products and the provision for impairment. Through continuous cost reduction and efficiency enhancement efforts, the Group has steadily reduced the cost of key products.

CRM Business

The CRM business is committed to creating the world's leading comprehensive CRM solutions, and principally engages in the development, manufacturing and marketing of products for the diagnosis, treatment, and management of heart rhythm disorders and heart failure, with products covering pacemakers, defibrillators, cardiac resynchronization therapy devices and supporting lead products, as well as a portfolio of monitoring products used together.

During the Reporting Period, the CRM business achieved global revenue of US\$108.3 million, representing an increase of 4.7% excluding the foreign exchange impact as compared to the corresponding period of last year.



In the overseas market, the international (non-China) CRM business achieved revenue of US\$100.5 million during the Reporting Period, representing a year-on-year increase of 2.3% excluding the foreign exchange impact. The tight supply of upstream raw materials led to insufficient supply of leads in the first half of the year, affecting the shipments of pacemakers and defibrillators, and causing a certain impact on the overall sales. At present, the Group has taken sufficient actions to strengthen the stability of the supply chain, and it is expected that the overall production of leads will recover rapidly in the second half of the year. During the Reporting Period, Bluetooth* pacemakers continued to accelerate penetration, recording a significant year-on-year increase of 49% in sales; despite the impact of insufficient supply of leads, the Group's self-developed Implantable Cardioverter-Defibrillators ("ICDs") still achieved a year-on-year increase of 13%. In terms of regions, Eastern Europe, the Middle East and Africa ("EEMEA") and the Asia Pacific region achieved a significant year-on-year increase of 73% and 63% in sales revenue respectively excluding the foreign exchange impact. During the Reporting Period, the Group strategically promoted a number of key products which were approved for launch in high-potential markets: In the United States, AlizeaTM and CeleaTM, the next generation of implantable Bluetooth pacemakers equipped with the AutoMRI™ technology, were successfully approved by the U.S. Food and Drug Administration ("FDA") for marketing, and its related products, Vega™ Pacing Leads, SmartTouch XT™ Tablet-based Programmer and SmartView Connect™ Bluetooth® Home Monitor were also approved for marketing. With a comprehensive portfolio of high-performance products, the Group will significantly accelerate market promotion and penetration in the United States. In Japan, Ulys™, an Implantable Cardioverter-Defibrillators ("ICDs") with MRI compatible functionality, and Invicta™ defibrillation leads were approved for marketing. The approval of such high-value-added products will help the Group further open up the Japanese market. Meanwhile, the Group has also submitted application for registration of a number of key products. The increasingly extensive product portfolio will be more conducive to the Group's global promotion and add new momentum to sustainable business growth.

During the Reporting Period, the pacemaker market in China saw a full-scale recovery, with a rapid release in demand for deferred elective surgeries. The CRM business in the PRC achieved revenue of US\$7.8 million, representing a significant increase of 50.5% excluding the foreign exchange impact as compared to the corresponding period of last year. During the Reporting Period, benefiting from the formal implementation of the VBP results of the Guangdong-led alliance for medical consumables of heart pacemakers, the Group's pacemaker products were successfully admitted to and sold in leading hospitals, thus further increasing the market penetration rate. Rega*, the Group's self-developed MRI-conditional pacemaker, currently the only home-made pacemaker product compatible with magnetic resonance imaging ("MRI"), has rapidly increased sales since its mass production, driving the Group's revenue in domestic pacemaker product portfolio to increase by 107% year on year, and further solidified our leading position with the largest market share among domestic players. During the Reporting Period, by leveraging on its abundant



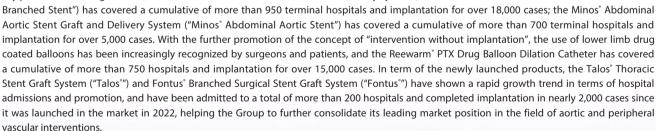
pipeline advantages, the Group fully adjusted its product portfolio to respond to the price changes in the end market, actively promoted domestic brands, continued to enhance the recognition and influence of domestic brands and strived to accelerate the realization of import substitution. The Group also continued to improve the automation and digitization of production lines to satisfy the market demand in a timely manner with guaranteed quality and quantity, promote the localization of materials and enhance the supply chain's capability to resist risks.

Endovascular and Peripheral Vascular Devices Business

The endovascular and peripheral vascular devices business focuses on providing integrated disease solutions for aortic and peripheral vascular diseases such as thoracic and abdominal aortic aneurysm, aortic dissection, atherosclerosis, and lower extremity arteriosclerotic occlusion.

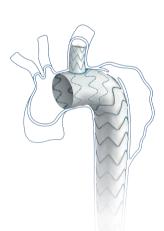
During the Reporting Period, benefited from the rapid increase in the sales volume of innovative products and the rapid recovery of domestic hospital end surgical demand after the Chinese New Year, the endovascular and peripheral vascular devices business achieved revenue of US\$89.0 million, representing an increase of 35.5% excluding the foreign exchange impact as compared to the corresponding period of last year, and a net profit of US\$39.5 million, representing a year-on-year increase of 30.1%.





In the overseas market, thanks to the continued market expansion, the overseas business of this segment achieved sales revenue of US\$6.0 million, representing a significant year-on-year increase of 114.3%. As of August 2023, sales of products in this segment have covered 28 countries, with business being expanded to regions such as Europe, Latin America and Southeast Asia. In terms of products, the Castor's Branched Stent has entered a total of 14 countries, the Minos' Abdominal Aortic Stent has entered a total of 15 countries, and Hercules' Low Profile Straight Tube Stent Graft and Delivery System ("Hercules' -LP Straight Tube Stent") has been clinically applied in a total of 16 overseas countries. During the Reporting Period, the Reewarm's PTX Drug Balloon was officially launched into the international market and completed its first clinical application overseas in Brazil. Meanwhile, Minos's Abdominal Aortic Stent and Hercules' -LP Straight Tube Stent were also approved by the Health Sciences Authority of Singapore for registration during the Reporting Period. The efficient exportation of advantageous products helped to continuously enhance the Group's brand influence globally and bring about overall solutions in this field. In the future, the Group will continue to increase its efforts to

develop the international market, and benefit patients around the world with better aortic and peripheral solutions.

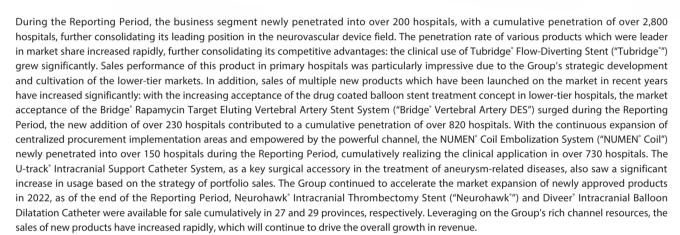


Neurovascular Devices Business

The neurovascular devices business specializes in providing overall solutions for the treatment of neurovascular diseases, including hemorrhagic stroke, cerebral atherosclerotic stenosis and acute ischemic stroke, and the R&D, production and commercialization of neurovascular therapeutic and access devices.

With continuous increase in sales of multiple innovative products, the neurovascular devices business recorded revenue of approximately US\$42.6 million during the Reporting Period, representing a year-on-year growth of approximately 45.2% excluding the foreign exchange impact; the business recorded an operating profit of approximately US\$11.8 million, representing a significant increase of approximately 505.2% as

compared to the corresponding period of last year and achieved a net profit of approximately US\$8.4 million, representing a turnaround to profit from loss incurred in the corresponding period of last year.



During the Reporting Period, the Group further expanded its overseas markets. The overseas revenue from the neurovascular devices segment increased by 27.3% year on year. The first commercial implantation of NUMEN® Coil was achieved in 5 overseas countries and regions, including the United Kingdom and Ireland, which further broadened and deepened channel coverage, resulting in a rapid increase in sales; meanwhile, the new approval of the product for marketing in Colombia, Argentina, Australia and Saudi Arabia will bring incremental revenue for sales in the second half of the year. In April 2023, the Group's coil series products were successfully approved to be included in the medical insurance of France, and the subsequent market demand in the region will be further released, which is expected to drive a significant increase in coil revenue overseas. During the Reporting Period, the Group also successfully promoted its high-quality vascular access products to overseas markets successively. The commercialization of the first batch of U-track® Intracranial Support Catheter System ("U-track®") in Brazil marked further enrichment of the Group's product portfolio for cerebrovascular diseases. In the second half of the year, the Group will accelerate the overseas registration and sales of core products to further drive the application of innovative neurovascular disease solutions in the global market.



Heart Valve Business

The Group's heart valve business includes three self-developed and commercialized products: VitaFlow* Transcatheter Aortic Valve Implantation and Delivery System ("VitaFlow"), VitaFlow Liberty* Transcatheter Aortic Valve Implantation and Retrievable Delivery System (VitaFlow Liberty*) (including the procedural accessory products as their offerings), Alwide* Plus Balloon Catheter, and various transcatheter aortic valve implantation ("TAVI") products, transcatheter mitral valve ("TMV") products, transcatheter tricuspid valve ("TTV") products, surgical valve products and procedural accessories at different development stage. Apart from its self-developed product portfolio for the valve business, the Group also promotes its cooperation with overseas business partners on certain TMV and TTV products, and has the exclusive right to commercialize of these products in the PRC.



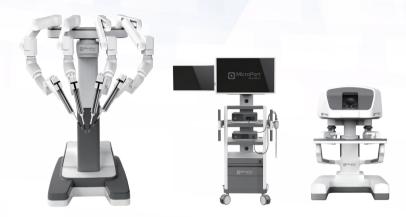
During the Reporting Period, the heart valve business recorded revenue of US\$25.0 million, representing a significant increase of 41.4% excluding the foreign exchange impact as compared to the corresponding period of last year, as driven by the rapid growth in terminal surgery volume. Benefited from the steady promotion of multiple cost reduction and efficiency increase initiatives and the continuous improvement of the bargaining power in raw material procurement arising from economies of scale, the gross profit margin of the segment has been maintaining an upward trend and has increased by 2 percentage points year on year to 66.1%; meanwhile, the operational efficiency of the heart valve business also improved significantly, and the sum of the proportion of research and development costs, distribution costs and administrative expenses in revenue decreased by 12 percentage points on a year-on-year basis.

In 2023, China's demand for in-hospital diagnosis and treatment recovered rapidly, and elective surgeries saw a particularly impressive recovery. During the Reporting Period, the segment achieved a significant year-on-year increase of 46% in implantation volume, with monthly implantation figures reaching record highs, mainly driven by the increase in the market share of key regions and the rapid downward trend of surgical procedures. The Group continued to integrate its advantageous resources in the pan-cardiac treatment field. During the Reporting Period, the VitaFlow and VitaFlow Liberty products have newly penetrated into approximately 70 hospitals across the country, with a cumulative penetration of over 500 hospitals. Meanwhile, the Group has continued to carry out the "High Quality Admission" program, which made targeted adjustments to marketing strategies and focused on tapping the in-hospital potentials, resulting in a significant year-on-year increase of 8 percentage points in terms of the contribution of a single center. In terms of market expansion, the valve business team continued to strengthen collaboration with the coronary business and the "Rosefinch Swallow" team and further promoted the penetration of the innovative transcatheter solutions for structural heart diseases to the lower-tier regions through medical education and marketing activities. During the Reporting Period, driven by continuous penetration of TAVI intervention surgeries in low tier markets, implantation rised by 55% in primary centers, as compared to the corresponding period of last year, contributing to the overall increase in surgical volume and sales. In addition, the number of surgeons who can independently apply the Group's TAVI products to complete the surgery has also climbed rapidly during the Reporting Period, which will help to promote the further popularity of the TAVI surgery, and continue to fill up the gap in lower-tier healthcare market.

In the international market, revenue from the heart valve business significantly increased by 243.1% year on year, mainly attributable to the rapid increase in surgical volume of VitaFlow* and VitaFlow Liberty* in the Latin American market. Based on the extensive overseas sales network of the coronary business, sales of TAVI products have increased rapidly since their launch, and their share in the local market has climbed rapidly. As of the end of the Reporting Period, the heart valve business has successfully developed more than 60 overseas centers and recorded more than 100 cases of commercial implantation. In terms of registration, the application for CE Mark of VitaFlow Liberty* has been progressed in an orderly manner and continuously made progress to the next stage. VitaFlow Liberty* is expected to bring new device choices to surgeons with its unique mixed density stent and electric conveying system, and further expanded the Group's overseas business landscape.

Surgical Robot Business

The surgical robot business is dedicated to innovatively providing robotic intelligent surgical overall solutions that can prolong and reshape life by addressing the cutting-edge development needs of minimally invasive surgery. Relying on its strong industrial operation ability, since its establishment, the Group has focused on the R&D of five core underlying technologies in relation to surgical robots, including robot ontology, control algorithm, electrical engineering, image-based navigation and precision imaging, with its differentiation covering the whole life cycle of surgical robot development.



The Group is the only company in the global industry in the field covering five major and fast-growing surgical specialties, namely laparoscopic, orthopedic, panvascular, natural orifice and percutaneous surgical procedures. During the Reporting Period, with Toumai' entering a new stage of commercialization, the successful and rapid market expansion of SkyWalkerTM in overseas markets, and the progress of the commercialization process for DFVision* in an orderly manner, both the sales volume and sales amount for the Group's surgical robot products maintained a strong growth synchronously. The surgical robot business recorded revenue of US\$4.9 million, representing a significant year-on-year increase of 3,110.2% excluding the foreign exchange impact, once again verifying the Group's domestic leading position in the field of minimally invasive surgery in terms of market share, recognition and technological strength. By providing professional and efficient one-stop services including clinical education and training, customer service and clinical support in "high quality" manner to help major hospitals deepen clinical practice and theoretical research, the Group's surgical robot products became increasingly accepted and recognized by clinical medical personnel. As of August 2023, the number of surgeries for Toumai' surpassed 1,200, comprehensively covering the more difficult and complex surgical procedures of the pelvic, abdominal and thoracic cavities, and creating a new record for the number of surgeries completed by domestic laparoscopic surgical robots. SkyWalker™ cumulatively completed over 600 clinical validation surgeries, which included a number of first and more difficult robotic-assisted surgeries, demonstrating a highly stable auxiliary effect. During the Reporting Period, the Group further improved its commercial product layout. The Mona Lisa robotic prostate puncture positioning system was registered and approved by the National Medical Products Administration (NMPA), becoming the first domestic certified robot in the field of prostate puncture, changing the traditional puncture model and providing patients with better medical choices. By closely promoting medical and engineering collaboration and exchanges of ideas, the Group continued to promote the innovation and iteration of its products. During the Reporting Period, the new generation of DFVision* 3D electronic laparoscope ("DFVision*"), which could be widely applied to urological surgery, general surgery, thoracic surgery, gynecology and other multi-department surgeries, was approved for launch in China, adding many commonly used clinical functions, significantly improving product performance and usability, and helping to further strengthen the Group's leading industry position in China. In the future, the Group will also continuously enhance the Company's value and influence, and realize the mission of "Make surgery easier, safer, and less invasive" through precise, efficient and safe surgical solutions.

During the Reporting Period, the Group continued to accelerate its "globalization" strategic layout, promoting innovative technologies to benefit more patients worldwide. SkyWalker™ was successively approved for launch by regulatory agencies in Brazil and Australia in May and July 2023, and has so far been certified in five regions including China, the United States and the European Union. Relying on the strong channel synergy with the Group's "Medial-Pivot Knee" joint implant, the Group rapidly promoted the hospital admissions of SkyWalker™ in overseas markets. As of the end of the Reporting Period, this product was commercially installed in multiple US hospitals, including the Hollis Lighthouse Surgical Hospital in New Hampshire, the United States, and successfully completed its application in dozens of total knee replacement surgeries. In the second half of the year, the Group will also promote the installation of SkyWalker™ in Europe, and the "internationalization" process will continue to deepen. During the Reporting Period, DFVision' successfully obtained the CE Mark, and gained access to the EU market; meanwhile, the segment also continued to promote its flagship product into overseas markets, and Toumai³, a domestically produced four-arm laparoscopic surgical robot, submitted its application for launch in European Union. With multiple products achieving overseas registration milestones successively, increasingly comprehensive surgical robot solutions will help provide high-quality and reliable medical technology services to more doctors and patients worldwide, and the Group's brand influence is expected to be further strengthened.

Surgical Devices Business

The surgical devices business is committed to providing overall solutions for cardiac surgery and emergency life support. Its main products include extracorporeal membrane oxygenation ("ECMO") system for cardiopulmonary support, extracorporeal circulation series consumable products such as oxygenation system (artificial lungs), occlusion series products used in congenital heart disease treatment, and hernia patch series products for hernia repair.

During the Reporting Period, the surgical devices business recorded revenue of US\$3.1 million through continued overseas market expansion, representing a significant year-on-year increase of 39.4% excluding the foreign exchange impact. In the international market, geopolitical factors affected the supply of overseas manufacturers, resulting in keen demand for membrane oxygenators. The Group has actively grasped the opportunities to take up the excessive orders, resulting in a significant increase in the sales volume of relevant products. In the PRC, Vitasprings° integrated membrane oxygenator ("Vitasprings") has been admitted into hospitals rapidly with product performance comparable to that of imported brands; meanwhile, the occluder business has also realized a steady increase in sales, leading to further growth in revenue. During the Reporting Period, FILAVENT™ Disposable Arteriovenous Cannula ("FILAVENT™ Arteriovenous Cannula") was approved by the NMPA for marketing, which filled up the gap in the field of domestically produced high-end extracorporeal life-supporting cannulae, and is expected to improve the current situation of a serious shortage of high-end cannulae in clinical practice, thereby providing patients with more high-quality clinical options.

Emerging Business Segments

In addition to the rapid development of mature business segments, the Group is also actively developing a number of emerging business through its equity-accounted investees. The product portfolio covers interventional imaging, non-vascular intervention, rehabilitation treatment, ophthalmology and ENT, sports medicine, assisted reproduction, skin and body management, etc. The Group is committed to building a business loop covering the entire human life cycle from prevention and diagnosis to treatment and rehabilitation. At the same time, the Group has also been actively developing platform-based business to bridge the upstream industry chain, covering areas such as active pharmaceutical ingredients, smart manufacturing of medical devices, disinfection and sterilization, to fully utilize the efficiency and synergy of the Group's operations.

In the interventional imaging field, the Group is committed to building an integrated imaging and diagnosis platform with comprehensive coverage of in-vitro and in-vivo interventional imaging. By virtue of the ultra-high resolution imaging system and exclusive "purge-free" catheter design, the shipments and market share of Argus™ intravascular optical coherence tomography ("OCT") system and the disposable imaging catheter have increased significantly during the Reporting Period. The first domestic medical digital subtraction angiography ("DSA") system jointly developed with Siemens, was successfully installed. The OCT device of this segment was also registered and certified in Singapore during the Reporting Period. In the field of non-vascular interventions, the Group continued to improve its diversified strategic deployment in urology, respiratory, gastroenterology, gynecology, etc. Currently, the Group has developed many urology-related competitive products, forming integrated solutions for urolithiasis; meanwhile, the Group has been rapidly promoting hospital coverage and channel construction, covering approximately 200 hospitals during the Reporting Period. In order to better address various clinical pain points, the Group has actively promoted the development and registration of new products. The registration and clinical trial of the prostatic urethral lift system, a "Green Path" product, have been advancing steadily, while the endoscopic imaging product line of this segment has achieved milestone progress in the field of gastrointestinal endoscopy. In addition, the Group's key products, the disposable biliary-pancreatic duct imaging catheter and the supporting image processing machine, have been approved by Zhejiang Medical Products Administration for marketing during the Reporting Period. For rehabilitation treatment segment, the Group focuses on providing rehabilitation equipment such as musculoskeletal and neurological rehabilitation and overall solutions for rehabilitation medical services. In the overseas market, TherMotion' Cryo-Thermo Compression Device has been successfully approved in the United States and Colombia during the Reporting Period. Since the launch of the Cryo-Thermo Compression Device in the PRC, it has been sold to more than 150 hospitals, with the distribution channels covering major first- and second-tier cities nationwide. During the Reporting Period, the "lower-limb rehabilitation robot-assisted system", the first rehabilitation robot product, has entered the mass production stage successfully and will soon be available for sale in China. Regarding the construction of outpatient clinics, the Suzhou Rehabilitation Clinic has entered the official operation stage.

The Group has also continued to expand its presence in emerging business lines through its associates. In terms of sports medicine, the Group has rapidly completed the construction of conventional product lines and continued to improve the deployment of active and innovative products. Currently, the completeness of implants, instruments and the active product lines ranks among the top in China. During the Reporting Period, eight products were approved for marketing by the NMPA, and two products were granted marketing approval by FDA 510(K). Archimedes*, the world's first long-term implantable balloon rotator cuff system self-developed by an associate, has completed a six-month follow-up for the clinical registration in China during the Reporting Period, and the product was also submitted to European Union for registration application and completed the first round of submission of supplementary information. Meanwhile, China's first tunnel-form rotator cuff repair system has completed submission of supplementary information for registration and entered the final examination and approval stage. The Group is committed to building a platform for integrated solutions which include glucose management, oncology chemotherapy and pain management: in terms of glucose management, benefiting from the development and maintenance of sales channels and the continued increase in the repurchase rate at the hospital end, the sales of La Fenice* insulin pumps almost doubled year on year during the Reporting Period; in terms of new products, the second generation insulin pump products have been approved for marketing during the Reporting Period, and the continuous glucose monitoring system ("CGM") has completed prototype examination and is planned to conduct clinical research during the year. In terms of oncology chemotherapy, the Peripheral Venous Puncture Central Catheter ("PICC") has entered the stage of submission of supplementary information for registration. In terms of pain management, AutoEx* Portable Electric Infusion Pump has been approved for marketing by the NMPA. In the field of assisted reproduction, the Group is committed to providing total medical technology solutions, with its business covering necessary medical products in the entire cycle of assisted reproduction. During the Reporting Period, the Group has continued to iterate research and development of hardware and software products. Three products were approved for marketing by the NMPA, and two products were granted marketing approval by the FDA. The Group has also continued to explore and expand potential business scenarios of the segment. In 2023, the Group has conducted strategic development of Foods for Special Medical Purpose, which are expected to continuously contribute to revenue growth.

Research and Development ("R&D")

During the Reporting Period, the R&D programs of the Group achieved fruitful results. In China, the Group and its associated companies had a total of 18 products obtaining the Class III medical devices registration certificates issued by the NMPA, and one product was admitted in the National Innovative Medical Device Special Review and Approval Procedure (the "Green Path"), reaching a total of 30 "Green Path" products, and ranking the first in the medical device industry for eight consecutive years. In the overseas market, a total of 11 products of the Group and its associated companies obtained approval from U.S. Food and Drug Administration ("FDA") and 7 products obtained the CE Mark from the EU.

In terms of the cardiovascular devices business, the Group has a variety of innovative and iterative products under R&D, including coronary stent and balloon catheter, active interventional devices, passive accessories and others. Since the Beyond Prefer™ Guide Wire was approved by the NMPA at the end of 2022, a number of the Group's high value-added accessory products have reached registration and development milestones during the Reporting Period: in China, the InterLumos™ Microcatheter and the AncherV™ Anchor Balloon have been approved for marketing, the application for registration of Guide Catheter and the dual-lumen microcatheter has been submitted, and the enrolment of patients in respect of the pre-market clinical trial ("CREST Study") of Non-slip-element Balloon was about to be completed. The Group has also continued to facilitate the global registration of multiple products, and the FirefighterTM NC Pro balloon dilatation catheter was approved by FDA for marketing in July 2023. During the Reporting Period, the Group announced the latest 12-month clinical results of the FUTURE-III study on the second-generation bioabsorbable vascular stent system, Firesorb* Bioresorbable Rapamycin Targeted Eluting Coronary Scaffold System ("Firesorb* Stent"), before its launch on the market. The data showed that the Target Lesion Failure ("TLF") of Firesorb^{*} Stent met the study endpoint target in the primary endpoint. The Group has completed the pre-marketing safety and effectiveness verification of the product and the primary endpoints of the FUTURE series of studies and the long-term data obtained met the requirements for submission for registration. In April 2023, the Group submitted an application to the NMPA for registration of the product. In terms of active products, the Group has developed multiple differentiated products for the treatment of coronary artery calcification lesions. The enrolment of all patients in the pre-marketing clinical trial of the coronary rotational atherectomy system ("CORRECT Study") was completed in July 2023, and the product was also admitted in the Green Path during the Reporting Period, which is expected to provide a new option for clinical interventional treatment of coronary artery calcification lesions, especially for moderate to severe calcification lesions. In August 2023, the Group also completed all patient enrollment for pre-market clinical study of the Intravascular Lithotripsy Balloon Catheter System ("VIGOUR"). The Group has also been developing the Microcirculatory Pulse Reperfusion System for the percutaneous coronary intervention ("PCI") and postoperative microcirculation improvement, and the reduction of myocardial infarction area in patients with ST-segment elevation myocardial infarction ("STEMI").

In terms of the orthopedics devices business, the Group has continued to promote the research and development, innovation, and global registration of a variety of key products. During the Reporting Period, the Group completed the 510(k) submission to the FDA for the Evolution* Hinge Knee. With a total-restriction design, the Hinge Knee system product may further complement the existing Evolution* portfolio. The Group has been actively promoting global registration of Procotyl* P Acetabular Cup after continuous recognition since its launch in Europe. During the Reporting Period, the Group has completed the submission of the FDA 510(k) registration application for Procotyl P, for which a Dual Mobility version and a Revision solution will be commercialized following the initial release to complete the acetabular solution. In addition, the Group has also completed CE MDR registration for Profemur* Gladiator* and Profemur* Z Femoral Stem.

In the CRM business, the Group has strengthened the coverage of its high-end products in the global market, laying an important foundation for subsequent market development: during the Reporting Period, AlizeaTM and CeleaTM, the next generation of Bluetooth pacemakers, and their matching Vega™ Pacing Leads were successfully approved by the FDA. Such products, which are equipped with the AutoMRI™ technology, are compatible with magnetic resonance imaging with 1.5/3.0T field strength. Meanwhile, SmartTouch XTTM Tablet-based Programmer and SmartView Connect™ Bluetooth* Home Monitor were also approved, which can strengthen the doctor-patient communication through a convenient way to ensure timely monitoring of diseases and follow-up visits of patients. The Ulys™ ICD and the matching Invicta™ high-voltage electrode leads were approved by the Japanese regulatory authorities, indicating that the Group's MRI-compatible high-voltage product line has officially entered this high-value-added market. During the Reporting Period, the Group submitted an application for CE registration of its Energya™ and Talentia™ Bluetooth-enabled high-voltage products; such iterative products equipped with the new programmable control interface will further enhance the user experience. In the PRC market, the Group actively promoted the R&D and registration of MRI-compatible pacemaker products. The new generation whole-body MRI-compatible pacemaker system ENO™ and its matching Vega MRI-compatible pacing lead have entered the stage of submission of supplementary information for registration. In terms of defibrillation products, the Group has continued to promote the import registration of high-voltage products, and Platinium™ Cardiac Resynchronization Therapy Defibrillator ("Platinium™ CRT-D") was successfully approved during the Reporting Period, further replenishing the pipeline of high-voltage products. In addition, the Invicta™ defibrillation leads will soon be ready for submission. During the Reporting Period, the Group has been actively promoting the localization of various products in China. Application for the BonaFire* whole-body MRI-compatible passive pacing lead, a self-developed "Green Path" product, has been submitted to the NMPA for registration, and the "China-made" SPACE-HP ICD was under type testing stage.

In the endovascular and peripheral vascular devices business, the Group has stepped up its efforts in product innovation and R&D, and accelerated the clinical trial and registration of products in various fields. A number of products have made gratifying progress during the Reporting Period. In the field of aortic intervention, the new generation Cratos® Branched Aortic Stent Graft System ("Cratos® Branched Stent") has completed the enrolment of all patients in the pre-market clinical trial during the Reporting Period. Since the completion of enrolment of the first patient at the beginning of the year, Aegis* II Abdominal Aortic Stent Graft System ('Aegis* II Stent'), which is based on the Aegis* Bifurcated Aortic Stent Graft ('Aegis* Stent) after being fully upgraded and iterated, has accelerated the pre-market clinical implantation by virtue of its outstanding product strengths. The First-in-man ("FIM") study on the Multi-branched Aortics Stent Graft System and the Fibered Occlusion System was implemented smoothly during the Reporting Period. Along with the rapid advancement of research and development registrations, it is expected to further consolidate the Group's leading presence in the aortic field. In the field of peripheral vascular intervention, the "Green Path" product Vflower® Iliac Venous Stent System has been formally submitted to the NMPA for registration; Vewatch® vena cava filter has fully completed the pre-market clinical implantation; and the Group has also carried out the pre-market clinical implantation on Fishhawk® mechanical thrombectomy catheter steadily during the Reporting Period. In the field of tumor intervention, the Group has strategically deployed a variety of innovative products; during the Reporting Period, the key product TIPS (transjugular intrahepatic portosystemic shunt) covered stent system has accelerated the pre-market clinical implantations, and the preclinical preparations for imaging embolization microspheres were closely following. The Group is dedicated to providing accessible, considerate and inclusive medicine solutions for the treatment of blood circulation diseases. With rich pipeline resources available, the Group's new products are expected to constantly win the leading position over international companies and benefit more patients.

In the neurovascular devices business, the Group continued to promote the development of various treatment and new access products in the field, further deepening its gradient deployment in the three major fields of neurovascular diseases. As of August 2023, the Group had a total of 17 products which were approved and commercialized in China in this field, as well as 13 products under R&D at different development stage. With the self-developed Q-track* microcatheter ("Q-track* microcatheter") being approved by the NMPA for marketing during the Reporting Period, and Shentu Weilong™ Guide Wire being approved for marketing in August 2023, the Group's access product portfolio was further enriched. In August 2023, the Group successfully promoted Tigertriever® Intracranial Thrombectomy Stent ("Tigertriever® Thrombectomy Stent"), a flagship product of its associate company Rapid Medical, to be approved by the NMPA for marketing. With the official incorporation of the world's first adjustable and fully visualised thrombectomy device into the commercial product portfolio, the Group has become the only Chinese company with stent thrombectomy devices compatible with blood vessels of different sizes, and it will fully implement the "Dual Stent" promotion strategy and achieve more comprehensive market coverage; meanwhile, the Group's self-developed W-track* Intracranial Aspiration Catheter was also approved for marketing in August 2023, marking the Group's further improvement in its product layout in the field of acute ischemia, comprehensively covering the end-users' medical needs and fully realizing the collaboration of hospital admission and sales. In 2023, new significant progress was made in many clinical projects for Tubridge* serial products: during the Reporting Period, all patients were enrolled in the PARAT MINI study of Tubridge* for the treatment of intracranial wide-necked and small & medium-sized aneurysms, and the clinical study has fully entered the follow-up cycle at present, which is expected to further expand the clinical scope of use of Tubridge* in the future. In July, all patients were also enrolled in the premarket clinical study PARAT PLUS on Tubridge* Plus Flow-Diverting Stent ("Tubridge* Plus"), an iterative product in this field. As compared with Tubridge*, Tubridge* Plus showed significant improvement in terms of visualization, supporting force, etc. The head end of Tubridge* Plus adopts the unique non-restraint bell mouth design, making it easier to open and providing better anchoring qualities, thereby significantly improving the treatment effect of aneurysms.

In the heart valve business, the Group is fully engaged in the field of structural heart diseases and has launched a variety of aortic valves and accessory products with differentiated clinical advantages. Meanwhile, its R&D pipeline covers all ranges of aortic valves, mitral valves, tricuspid valves, surgical valves and surgical accessory products. Through efficient integration and deployment of internal and external resources, the Group has actively promoted the registration and R&D of multiple strategic products during the Reporting Period: in terms of TAVI products, in the overseas markets, the CE registration of VitaFlow Liberty*, a second-generation TAVI product, has been going on smoothly, with a number of key registration nodes reached during the Reporting Period. It is expected to be formally approved for marketing within the year, making it the first domestically made aortic valve product with CE certification. In the PRC market, the Group's self-developed third-generation TAVI products have become the world's first innovatively developed adjustable bending delivery system, which helps to significantly reduce the difficulty of crossing the arch, create ultra-high coaxiality in the delivery, and further enhance the positioning accuracy. During the Reporting Period, the thirdgeneration TAVI completed the design finalization; the improvement in the surgical efficiency and fault tolerance arising from product iteration will be more conducive to the subsequent promotion and marketing of the products in lower-tier markets, and bring easy-to-use experience to doctors. In terms of TMV products, the world's first dry mitral valve replacement system independently developed by the Group has been successfully implanted in many human bodies. The product is targeted at solving the clinical pain point of complicated operations, and has been highly recognized by surgeons due to its easy and fast user experience. As of July 2023, the first clinically applied patient has completed one-year followup visits. The patient's valve was in ideal condition, with good leaflet opening and closing status. There is no perivalvular leakage or obstruction in the left ventricular outflow tract, and the degree of mitral regurgitation has been fully reduced. With excellent preliminary data, the Group expects to accelerate the FIM enrolment in the second half of the year. In addition to independent development, the Group has also been actively engaged in international collaboration. The AltaValve™ Transcatheter Mitral Valve replacement product is about to complete an overseas early feasibility study ("EFS"), for which the Group has pre-submitted an IDE application to the FDA. Currently, the Group is actively preparing for the FIM study in China.

In the surgical robot business, the Group is committed to continuously leading the technological progress of domestic surgical robots by addressing the cutting-edge development needs of minimally invasive surgery and actively tackling various more difficult surgeries; providing training resources to more surgeons and comprehensively supporting the popularization of high-quality medical resources through innovative models such as 5G connectivity platform. During the Reporting Period, the Group steadily promoted the research and development and registration of multiple

products under R&D, of which the registered clinical trial for Toumai* Single-arm Laparoscopic Surgical Robot ("Toumai* Singlearm") progressed steadily, which could complete various complex operations through a single incision and synchronously empower doctors and patients with a flexible snake shaped surgical arm with higher flexibility and wider range of motion; SkyWalker™ quickly promoted the expansion of its indications, and so far has completed the first total hip replacement surgery and the first unicondylar knee replacement surgery, marking that SkyWalker™ officially entered into the substantive clinical verification stage of its application in total hip replacement surgery, unicondylar replacement surgery and other fields; meanwhile, based on strict and sufficient technical and ethical argumentation, the Group accelerated the promotion of 5G remote robot-assisted surgery during the Reporting Period, promoting the expansion of high-end medical resources to remote areas. As of the end of the Reporting Period, its surgical robot products assisted medical personnel in multiple regions to complete dozens of 5G remote surgeries. Among them, Toumai' consecutively set many "firsts" records in China and even globally, successively assisting in the completion of China's first 5G ultra-remote hepatobiliary surgery, China's first 5G remote robot radical gastrectomy for gastric cancer, the world's first 5G remote robot radical prostatectomy and the world's first 5G ultra-remote panhysterectomy + bilateral salpingo oophorectomy + Bilateral salpingectomy; R-ONE® Vascular Interventional Robot also assisted in completing China's first 5G ultra-remote PCI surgery spanning 2,800 kilometers in July 2023, breaking the limitations of time and space, effectively saving medical time and improving treatment efficiency. With the continuous maturity and iterative upgrading of the combination of 5G technology and domestic surgical robot technology, as well as its large-scale and mature application in the clinical field, 5G remote robot-assisted surgery is expected to provide strong support for constructing regional medical centers, providing highquality medical resources to patients in remote areas, and alleviating and resolving the imbalance between supply and demand of medical services as soon as possible.

In the surgical devices business, the Group has complete expertise in all the fundamental technologies in the extracorporeal membrane oxygenation ("ECMO") system, it continuously promoted the innovation and iteration of the product, and constantly optimized blood pumps, oxygenators, intubation and monitoring technologies to enhance integration of the extracorporeal life support (ECLS) system. During the Reporting Period, the Group has successfully promoted its self-developed FILAVENT™ Disposable Arteriovenous Cannula ("FILAVENT™ Arteriovenous Cannula") to be approved for registration by the NMPA. As the first peripheral cannula made of domestically-produced polyurethane ("TPU") material, the product features reinforced thin-walled structure design, which ensures hemodynamic stability while simultaneously improving blood compatibility. In the overseas markets, the MOBYBOX™ system, an extracorporeal life support product developed by Hemovent GmbH, a whollyowned subsidiary of the Group, completed the CE MDR certification procedures during the Reporting Period. Based on the ECLS system, which does not require any plug-in support, the Group has made every effort to build a mobile critical care unit focusing on pre-hospital emergency care by ECMO and suitable for air transportation and air-ground intermodal transportation; we are committed to continuously enhancing the treatment efficiency and the success rate of emergency treatment for patients with acute and critical diseases. As of August 2023, the Group's self-developed pump head and host machine of the integrated ECMO have completed the pre-animal experiment and were about to enter the animal experiment stage.

FINANCIAL REVIEW

Overview

Despite facing the impact of the increasingly fierce competition brought by the rapidly growing medical device industry in China and abroad, the revenue of the Group for the six months ended 30 June 2023 increased by 24.8% excluding the foreign exchange impact or increased by 19.2% in US\$ as compared to the six months ended 30 June 2022. The Group persisted in continuously providing a diversified product portfolio and continued to carry out its globalization strategy, with non-China sales contributing to 48.6% of the total revenue. The Group aims to continuously bring its innovations, technologies and services to millions of global patients and become a patient-oriented global leading enterprise in high-tech medical segments represented by minimal invasive treatment and other emerging medical markets.

The following discussion is based on, and should be read in conjunction with, the financial information and the notes thereto included elsewhere in this report.

Revenue

US\$'000	Six months ended	Percent change		
				Excluding
				the foreign
				exchange
	2023	2022	In US\$	impact
Cardiovascular devices business	79,216	60,684	30.5%	42.4%
Orthopedics devices business	115,861	107,711	7.6%	10.0%
CRM business	108,272	104,394	3.7%	4.7%
Endovascular and peripheral vascular devices business	88,985	70,765	25.7%	35.5%
Neurovascular devices business	42,614	31,326	36.0%	45.2%
Heart valve business	25,035	18,987	31.9%	41.4%
Surgical robot business	4,895	156	3,037.8%	3,110.2%
Surgical devices business	3,121	2,433	28.3%	39.4%
Other business (Note)	14,606	8,528	71.3%	92.9%
Total	482,605	404,984	19.2%	24.8%

Note

The revenue of other business segments did not meet the quantitative thresholds for determining reportable segments.

The Group's revenue for the six months ended 30 June 2023 was US\$482.6 million, representing an increase of 19.2% compared to US\$405.0 million for the six months ended 30 June 2022. The Group's reported revenue was impacted by the fluctuation of the US dollars against functional currencies in the process of converting from non-dollar functional currencies of the Group's subsidiaries to US dollars, the presentation currency of the Group. Excluding the foreign exchange impact, the Group's revenue increased by 24.8%. Such increase was principally attributable to the rapid market penetration and new product revenue contribution. The following discussion was made based on the Group's major business segments.

Cardiovascular Devices Business

The cardiovascular devices business recorded revenue of US\$79.2 million for the six months ended 30 June 2023, representing an increase of 42.4% excluding the foreign exchange impact or an increase of 30.5% in US\$ compared to the six months ended 30 June 2022. Such increase in revenue was mainly attributable to: (i) the accelerated development of overseas markets in key regions of Asia Pacific, EMEA and Latin America, through bid wins, agent model optimization, sales channels expansion and product iteration; (ii) continued China market growth attributable to increases in both volume and centralized procurement price of coronary stents.

Orthopedics Devices Business

US\$'000	Six months ended	i 30 June	Percent char	Excluding the foreign exchange
	2023	2022	In US\$	impact
Orthopedics Devices Business	115,861	107,711	7.6%	10.0%
– US	44,845	43,707	2.6%	2.6%
 Europe, Middle East and Africa 	35,386	30,380	16.5%	17.9%
– Japan	15,336	16,585	(7.5%)	1.6%
– the PRC	11,617	7,990	45.4%	51.1%
– Others	8,677	9,049	(4.1%)	10.2%

The orthopedics devices segment recorded revenue of US\$115.9 million for the six months ended 30 June 2023, representing an increase of 10.0% excluding the foreign exchange impact or an increase of 7.6% in US\$ compared to the six months ended 30 June 2022. Such increase in revenue was mainly attributable to the widespread recognition of the Group's unique knee prosthesis design among clinicians and patients in China and abroad and its promotion and application through combining with the new technologies such as surgical robots and navigation systems.

CRM Business

US\$'000	Six months ended	Percent cha	ange	
				Excluding the foreign exchange
	2023	2022	In US\$	impact
CRM business	108,272	104,394	3.7%	4.7%
 Europe, Middle East and Africa 	91,588	89,181	2.7%	2.7%
– the PRC	7,782	5,485	41.9%	50.5%
– Japan	5,413	6,135	(11.8%)	(4.7%)
– US	806	1,256	(35.8%)	(35.8%)
– Others	2,683	2,337	14.8%	24.2%

CRM business recorded revenue of US\$108.3 million for the six months ended 30 June 2023, representing an increase of 4.7% excluding the foreign exchange impact or an increase of 3.7% in US\$ compared to the six months ended 30 June 2022, which was mainly attributable to: (i) an increase in the number of implants for major products resulting from the increase in elective surgeries during the Reporting Period; (ii) continued growth of the new generation of pacemakers and defibrillators featuring Bluetooth connectivity and MRI compatibility which has been widely recognised by local clinicians and patients since launch, despite temporary product availability issue during the Reporting Period.

Endovascular and Peripheral Vascular Devices Business

The endovascular and peripheral vascular devices business recorded revenue of US\$89.0 million for the six months ended 30 June 2023, representing an increase of 35.5% excluding the foreign exchange impact or an increase of 25.7% in US\$ compared to the six months ended 30 June 2022. Such increase was mainly attributable to: (i) the rapid increase in surgeries and strong demand for major products resulting from the quick recovery to normal medical order for the hospitals across the country during the Reporting Period; (ii) continuous efforts on the admission, promotion and sales of products in various regions under the market sinking strategy; (iii) the rapid growth of the new products Fontus' Branched Surgical Stent Graft System and Talos' Thoracic Stent Graft System in terms of hospital coverage and the number of implants.

Neurovascular Devices Business

The neurovascular devices business recorded revenue of US\$42.6 million for the six months ended 30 June 2023, representing an increase of 45.2% excluding the foreign exchange impact or an increase of 36.0% in US\$ compared to the six months ended 30 June 2022. Such increase was mainly attributable to: (i) the continuous increase in the market penetration rate, the further consolidation of competitive advantages and maintenance of good growth trends for products with leading market shares (including the Tubridge* Flow-Diverting Stent); (ii) continuous promotion of the admission of multiple new products launched in recent years (including NUMEN* Coil Embolization System, Bridge* Rapamycin Target Eluting Vertebral Artery Stent System and U-track* Intracranial Support Catheter System), which helped explore uncharted markets; (iii) the acceleration of market expansion for products newly approved in 2022 (including Neurohawk* Intracranial Thrombectomy Stent and Diveer* Intracranial Balloon Dilatation Catheter).

Heart Valve Business

The heart valve business recorded revenue of US\$25.0 million for the six months ended 30 June 2023, representing an increase of 41.4% excluding the foreign exchange impact or an increase of 31.9% in US\$ compared to the six months ended 30 June 2022. Such increase was mainly attributable to the increased market recognition and sales volume for VitaFlow and VitaFlow Liberty.

Surgical Robot Business

The surgical robot business recorded revenue of US\$4.9 million for the six months ended 30 June 2023, representing an increase of 3,110.2% excluding the foreign exchange impact or an increase of 3,037.8% in US\$ compared to the six months ended 30 June 2022. It was mainly because: (i) the core product Toumai* Laparoscopic Surgical Robot began to expand its market share and rapidly increased the sales volume in 2023 after achieving its first commercialisation at the end of 2022; (ii) the flagship product DFVision* 3D Electronic Laparoscope further enhanced the market competitiveness and steadily increased its sales volume.

- Surgical Devices Business

The surgical devices business recorded revenue of US\$3.1 million for the six months ended 30 June 2023, representing an increase of 39.4% excluding the foreign exchange impact or an increase of 28.3% in US\$ compared to the six months ended 30 June 2022.

Other Business

The Group's other business recorded revenue of US\$14.6 million for the six months ended 30 June 2023, representing an increase of 92.9% excluding the foreign exchange impact or 71.3% in US\$ compared to the six months ended 30 June 2022. Such increase was mainly attributable to the contribution of the multifold growth in sales revenue from interventional imaging, non-vascular intervention and other emerging business segments of the Group. The revenue of other businesses individually did not meet the quantitative thresholds for determining reportable segments.

Cost of Sales

For the six months ended 30 June 2023, the Group's cost of sales was US\$194.2 million, representing an increase of 23.5% compared to US\$157.3 million for the six months ended 30 June 2022. Such increase was primarily attributable to the increased sales volume of the major business.

Gross Profit and Gross Profit Margin

As a result of the foregoing factors, the Group's gross profit increased by 16.4% from US\$247.7 million for the six months ended 30 June 2022 to US\$288.4 million for the six months ended 30 June 2023. Gross profit margin is calculated as gross profit divided by revenue. The Group's gross profit margin for the six months ended 30 June 2023 decreased slightly to 59.8% as compared to the gross profit margin of 61.2% for the six months ended 30 June 2022, mainly due to unfavorable sales mix and increased costs caused by inflation.

Other Net Income

Other net income decreased by 58.8% from US\$41.4 million for the six months ended 30 June 2022 to US\$17.0 million for the six months ended 30 June 2023. Such decrease was primarily attributable to the increase in the loss on financial instruments carried at fair value and a loss on the disposal of a lease premise during the Reporting Period.

Research and Development Costs

The Group's research and development costs for the six months ended 30 June 2023 was US\$187.3 million, which was relatively flat as compared to US\$186.4 million for the six months ended 30 June 2022. The proportion of research and development costs to revenue decreased significantly as result of the proactive cost control initiatives by prioritizing and focusing on core projects and improving R&D efficiency.

Distribution Costs

Distribution costs increased by 15.8% from US\$146.6 million for the six months ended 30 June 2022 to US\$169.8 million for the six months ended 30 June 2023. Such increase was attributable to the corresponding increase in market development, product promotion activities and sales commissions for each major business in line with the increase of revenue.

Administrative Expenses

Administrative expenses decreased by 28.0% from US\$133.3 million for the six months ended 30 June 2022 to US\$95.9 million for the six months ended 30 June 2023. Such decrease was mainly attributable to the Group's effective cost controls and the leverage of global resources to further enhance operating efficiencies across the Group.

Other Operating Costs

Other operating costs increased by 48.6% from US\$8.3 million for the six months ended 30 June 2022 to US\$12.4 million for the six months ended 30 June 2023. Such change was mainly attributable to an increase in donation expenses during the Reporting Period.

Finance Costs

Finance costs decreased by 19.1% from US\$46.1 million for the six months ended 30 June 2022 to US\$37.3 million for the six months ended 30 June 2023. Such decrease was mainly attributable to the decrease in the accrued interest on preferred shares issued by the subsidiaries of the Group during the Reporting Period.

Income Tax

Income tax increased from US\$5.4 million for the six months ended 30 June 2022 to US\$13.7 million for the six months ended 30 June 2023. Such change was mainly due to the increase in profit before tax earned by the PRC subsidiaries of the Group.

Capital Management

The primary goal of the Group's capital management is to maintain the Group's stability and growth, safeguard its normal operations and maximize shareholders' value. The Group reviews and manages its capital structure on a regular basis, and makes timely adjustments to it in light of changes in economic conditions. To maintain or realign the capital structure, the Group may raise capital by way of bank loans or issuance of equity or convertible securities.

Liquidity and Financial Resources

As at 30 June 2023, the Group had US\$843.4 million of cash and cash equivalents on hand, as compared to US\$1,203.0 million as at 31 December 2022. Such decrease was mainly attributable to: (i) the increase in the Group's pledged deposits and time deposits; (ii) operating expenditure on actively carrying out the research and development, registration, and commercialisation of business such as surgical robots and heart valves; and (iii) capitalised expenditure of the Group. The Board's approach to managing liquidity of the Group is to ensure sufficient liquidity at any time to meet its matured liabilities in order to avoid any unacceptable losses or damage to the Group's reputation.

Borrowings and Gearing Ratio

Total borrowings of the Group, including interest-bearing borrowings and convertible bonds, as at 30 June 2023 were US\$1,423.3 million, representing an increase of US\$131.7 million as compared to US\$1,291.6 million as at 31 December 2022. During the Reporting Period, the gearing ratio (calculated as total liabilities divided by total assets) of the Group increased from 55.1% as at 31 December 2022 to 59.8% as at 30 June 2023.

Net Current Assets

The Group's net current assets as at 30 June 2023 were US\$459.2 million, as compared to US\$1,277.1 million as at 31 December 2022.

Foreign Exchange Exposure

The Group is exposed to currency risk primarily from sales, purchases, borrowing and lending which give rises to receivables and payables that are denominated not in US dollars (mainly RMB, Euro and JPY). For the six months ended 30 June 2023, the Group recorded a net exchange loss of US\$2.1 million, as compared to a net exchange gain of US\$6.0 million for the six months ended 30 June 2022. The Group did not have any significant hedging arrangements to manage foreign exchange risk but has been actively monitoring and overseeing its foreign exchange risk.

Capital Expenditure

During the six months ended 30 June 2023, the Groups total capital expenditure amounted to approximately US\$102.0 million, which was used in (i) construction of buildings; (ii) acquiring equipment and machinery; and (iii) expenditures for R&D projects in development stage.

Charge on Assets

As at 30 June 2023, the Group had mortgaged its production buildings held for own use and land use right for the purpose of securing bank loans with a carrying value of US\$109.2 million, and pledged the equity interest held by the Group in Suzhou MicroPort Argus Medtech Co., Ltd., Shanghai Huanbo Digital Technology Co., Ltd., MicroPort Vision Power MedTech (Shanghai) Co., Ltd., Fujian Kerui Pharmaceutical Co., Ltd. and Hemovent GmbH for the purpose of securing bank loans for acquisitions or capital contribution with a carrying value of US\$145.2 million.

HUMAN RESOURCES AND TRAINING

As of the end of the Reporting Period, the Group had a total of 8,884 employees around the world, of which 1,890 or 21.27% were overseas employees in the Asia Pacific region, Europe, the Middle East, Africa, North America, South America and Australia.

Through the construction mechanism of organisational competence, the Group improves organisational efficiency and the overall ability of employees, and establishes a comprehensive talent development platform. Focus is placed on the enhancement and development of the intellectual, emotional, reactive and instrumental quotient of staff and the organic integration within the organisation. Adhering to the principle of "maturity, usage, cultivation, remuneration and care" regarding human resources, and the employee career path of "2 ways, 3 levels, 6 paths, 18 steps and 108 posts", we provide employees with sufficient room for advancement in combined directions horizontally and vertically. Through the four internal learning institutions within the enterprise, namely the "Earth-Down Leadership Academy", "Innovation Qualification & Competency Institute", "Emerging Technology Knowledge & Action Institute", and "Culture & Philosophy Academy", the Group extracts the internal knowledge and experience, refines MicroPort's culture, inherits the teaching spirit of "passing on the knowledge to others", comprehensively cultivates "professional, excellent, special and uncommon" technical talents and future enterprise leaders, accompanies its employees to grow together by building a learning organisation, and works together to achieve its belief of "Breaking Barriers to Help Billions of People to Live Beyond 115 Years".

PROSPECTS

With the expanding ageing population in the world, the improved living standards of the people and the economic growth of the developing countries, the global market demand for medical devices has steadily increased. As for the PRC market, thanks to the economic and social development, the health awareness among its people has been raised significantly, and the reform of the medical system has also brought policy bonuses. The medical device market in China has huge development opportunities, while at the same time attracting more and more multinational medical enterprises. In order to seize the development opportunities and enhance the Group's core competitiveness in the increasingly fierce market competition, the Group will continue to actively implement its business strategies, including but not limited to the following:

- 1. Consolidating its leading position in the medical device market in the PRC. With its strong brand recognition, extensive distribution network, and the economies of scale achieved by the deployment of multiple channels, the Group will further increase its market share in the PRC and continue to give full play to the advantages of being a leading enterprise in the industry and make all-round breakthroughs in the domestic high-end medical device industry, thereby maximising value for the shareholders, customers, employees and society.
- 2. Expediting the global penetration to realise integration of our brand and global operations. The Group will continuously deepen the globalised branding and operation strategy based on localization by consistently implementing the operation model of "globalisation in operational strategy, localised implementation, deployment with diversification, and unified positioning", thereby realising global deployment through effective integration of resources and markets around the world, which in turn will bring the products of MicroPort* to more countries or regions and benefit patients and doctors around the world.
- 3. Constantly improving its existing products and actively promoting the development of innovative products to create a diversified product portfolio. While continuously improving the performance and manufacturing processes of existing products and carrying out a vast variety of R&D activities, the Group will expedite the R&D and commercialisation of innovative products which align with the Group's strategy, with an aim to provide patients and doctors with quality integrated medical solutions at affordable charges.
- 4. Deepening the reform of its management system. In order to further enhance its competitiveness and risk prevention capability, the Group will constantly improve the system development and enhance the efficiency of internal governance by integrating resources and streamlining processes, thereby maintaining the unique entrepreneurial vitality, flexibility and efficiency of MicroPort* to the greatest extent while expanding its business scale rapidly.

INTERESTS AND SHORT POSITIONS OF THE DIRECTORS AND CHIEF EXECUTIVES IN SHARES, UNDERLYING SHARES AND DEBENTURES OF THE COMPANY AND ITS ASSOCIATED CORPORATIONS

As at 30 June 2023, interests and short positions in the shares of the Company (the "Shares"), underlying Shares and debentures of the Company or any of its associated corporations (within the meaning of Part XV of the Securities and Futures Ordinance ("SFO")) held by the directors of the Company ("Directors") and chief executives of the Company which have been notified to the Company and The Stock Exchange of Hong Kong Limited (the "Stock Exchange") pursuant to Divisions 7 and 8 of Part XV of the SFO (including interests and short positions which were taken or deemed to have under such provisions of the SFO) or have been entered in the register maintained by the Company pursuant to section 352 of the SFO, or otherwise have been notified to the Company and the Stock Exchange pursuant to the Model Code for Securities Transactions by Directors of Listed Companies (the "Model Code") as set out in Appendix 10 to the Rules Governing the Listing of Securities on the Stock Exchange (the "Listing Rules") were as follows:

INTERESTS AND SHORT POSITIONS IN SHARES, UNDERLYING SHARES AND DEBENTURES OF THE COMPANY

Name of Director/					Approximate percentage of interest in the
Chief Executive	No. of Shares	Note	Capacity	Nature of interest	Company
Zhaohua Chang	31,206,891	1	Beneficial owner	Long position	1.70%
Jonathan H. Chou	167,590	2	Beneficial owner	Long position	0.00%
Guoen Liu	161,290	1	Beneficial owner	Long position	0.00%
Chunyang Shao	161,290	1	Beneficial owner	Long position	0.00%

Notes:

- (1) Dr. Zhaohua Chang, Dr. Guoen Liu and Mr. Chunyang Shao are interested in the underlying Shares of the Company by virtue of the options granted to them under the share option scheme(s) of the Company. For further details, please refer to the section headed "Share Option Schemes" below.
- (2) Mr. Jonathan H. Chou is interested in (i) 161,290 underlying Shares of the Company by virtue of the options granted to him under the share option scheme(s) of the Company and (ii) 6,300 Shares of the Company. For further details, please refer to the section headed "Share Option Schemes" below.

INTERESTS AND SHORT POSITIONS IN SHARES, UNDERLYING SHARES AND DEBENTURES OF THE ASSOCIATED CORPORATIONS

Name of Director/ Chief Executive	Name of associated corporation	No. of shares/ registered capital	Notes	Capacity	Nature of interest	percentage of interest in the associated corporation
Zhaohua Chang	MicroPort CardioFlow Medtech Corporation	6,000,000	1	Beneficial owner	Long position	0.24%
Jonathan H. Chou	MicroPort CardioFlow Medtech Corporation	449,683	1	Beneficial owner	Long position	0.01%

⁽¹⁾ Dr. Zhaohua Chang and Mr. Jonathan H. Chou are interested in the underlying shares of the associated corporation by virtue of the options granted to them under the share option scheme of that associated corporation.

Save as disclosed above, as at 30 June 2023, none of the Directors or chief executives of the Company had any interests or short positions in the Shares, underlying Shares and debentures of the Company or any of its associated corporations (within the meaning of Part XV of the SFO) which would be required to be notified to the Company and the Stock Exchange pursuant to Divisions 7 and 8 of Part XV of the SFO, or which would be required, pursuant to Section 352 of the SFO, to be entered in the register referred to therein, or otherwise notified to the Company and the Stock Exchange pursuant to the Model Code.

INTERESTS AND SHORT POSITIONS OF SUBSTANTIAL SHAREHOLDERS IN SHARES AND UNDERLYING SHARES OF THE COMPANY

As at 30 June 2023, so far as is known to the Directors, the following persons (not being a Director or chief executive of the Company) had interests or short positions in the Shares or underlying Shares which would need to be disclosed to the Company under the provisions of Divisions 2 and 3 of Part XV of the SFO and recorded in the register required to be kept by the Company pursuant to Section 336 of the SFO:

INTERESTS AND SHORT POSITIONS IN THE SHARES

					Percentage of total number of
Name of Substantial Shareholder	No. of Shares	Notes	Capacity	Nature of interest	Shares in issue (%)
Otsuka Holdings Co., Ltd.	382,994,120	1	Interest of controlled corporation	Long position	20.88
Otsuka Medical Devices Co., Ltd.	382,994,120	1	Beneficial owner	Long position	20.88
Maxwell Maxcare Science Foundation Limited	344,046,363	2	Interest of controlled corporation/ Beneficial owner	Long position	18.76
We'Tron Capital Limited	343,024,244	2	Beneficial owner	Long position	18.70
Shanghai Zhangjiang (Group) Co., Ltd.	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai Zhangjiang Hi-Tech Park Development Co., Ltd.	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai Zhangjiang Science and Technology Investment Co.	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai Zhangjiang Haocheng Venture Capital Co., Ltd.	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai Zhangjiang Science and Technology Investment (Hong Kong) Company Limited	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai (Z.J.) Holdings Limited	171,748,050	3	Interest of controlled corporation	Long position	9.36
Shanghai ZJ Hi-Tech Investment Corporation	171,748,050	3	Interest of controlled corporation/ Beneficial owner	Long position	9.36
Shanghai Zhangjiang Health Solution Holdings Limited	164,705,470	3	Beneficial owner	Long position	8.98
Hillhouse Capital Advisors, Ltd.	153,694,000		Investment manager	Long position	8.38
Gaoling Fund, L.P.	147,009,000		Beneficial owner	Long position	8.01

Notes:

- (1) Otsuka Holdings Co., Ltd. holds the entire issued share capital of Otsuka Medical Devices Co., Ltd., and therefore, is deemed to be interested in the same number of Shares held by Otsuka Medical Devices Co., Ltd..
- (2) Maxwell Maxcare Science Foundation Limited ("Maxwell") holds 100% interest of We'Tron Capital Limited, and therefore, is deemed to be interested in the same number of Shares and share interests held by We'Tron Capital Limited. Maxwell is also the beneficial owner of 1,022,119 Shares.
- (3) Shanghai Zhangjiang (Group) Co., Ltd. is wholly-owned by the State-owned Assets Supervision and Administration Commission of the Shanghai Pudong New Area People's Government. Shanghai Zhangjiang (Group) Co., Ltd. holds 100% interest in Shanghai Zhangjiang Science and Technology Investment Co., which in turn holds 100% interest in Shanghai Zhangjiang Science and Technology Investment (Hong Kong) Company Limited, which in turn holds 50% interest in Shanghai ZJ Hi-Tech Investment Corporation. Shanghai Zhangjiang (Group) Co., Ltd. also holds 50.75% interest in Shanghai Zhangjiang Hi-Tech Park Development Co., Ltd., which in turn holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation Inturn holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% interest in Shanghai ZJ Hi-Tech Investment Corporation holds 100% inter

Name of Controlled Corporation	No. of Shares	Approximate Percentage of total number of Shares in issue (%)
Shanghai Zhangjiang Health Solution Holdings Limited	164,705,470	8.98
Shanghai ZJ Hi-Tech Investment Corporation	7,042,580	0.38
Total	171,748,050	9.36

Save as disclosed above, as at 30 June 2023, the Directors of the Company were not aware of any persons (who were not Directors or chief executives of the Company) who had an interest or short position in the Company's Shares or underlying Shares which would need to be disclosed under Divisions 2 and 3 of Part XV of the SFO, or which would be required, pursuant to Section 336 of the SFO, to be entered in the register referred to therein.

PURCHASE, SALE OR REDEMPTION OF LISTED SECURITIES OF THE COMPANY

During the six months ended 30 June 2023, neither the Company nor any of its subsidiaries has purchased, sold or redeemed any of the Company's listed securities.

MATERIAL ACQUISITIONS AND DISPOSALS OF SUBSIDIARIES AND ASSOCIATED COMPANIES

The Group did not have any material acquisition or disposal of subsidiaries or associated companies during the six months ended 30 June 2023.

DIRECTORS' INTEREST IN A COMPETING BUSINESS

During the six months ended 30 June 2023, the Directors were not aware of any business or interest of the Directors or any substantial shareholder (as defined under the Listing Rules) of the Company and their respective associates (as defined under the Listing Rules) that had competed or might compete directly or indirectly with the business of the Group and any other conflicts of interests which any such person had or might have with the Group.

CODE OF CONDUCT REGARDING SECURITIES TRANSACTIONS BY DIRECTORS

The Company has adopted the Model Code as set out in Appendix 10 to the Listing Rules as the code of conduct regarding securities transactions by Directors. Having made specific enquiry by the Company, all Directors confirmed that they had complied with the required standard set out in the Model Code throughout the period of the six months ended 30 June 2023.

SHARE OPTION SCHEMES

A share option scheme (the "2010 Share Option Scheme") was approved and adopted pursuant to a written resolution of all the Shareholders on 3 September 2010.

The purpose of the 2010 Share Option Scheme was to provide the Company with a means of incentivizing eligible participants to work towards enhancing the value of our Company and promote the long-term growth of the Company. The 2010 Share Option Scheme will link the value of the Company with the interests of participants, enabling participants and the Company to develop together and promoting the Company's corporate culture.

The Directors of the Company may, at their discretion, invite any Directors (including Executive Directors, Non-executive Directors and Independent non-executive Directors), employees and officers of any members of the Group and any advisors, consultants, distributors, contractors manufacturers, agents, customers, business partners, joint venture business partners and service providers of any members of our Group who the Board considers, in its sole discretion, have contributed or will contribute to the Group to participate in the 2010 Share Option Scheme.

The Company shall be entitled to issue options, provided that the total number of Shares which may be allotted and issued upon exercise of all outstanding options to be granted under the 2010 Share Option Scheme of the Company shall not exceed 10% of the aggregate Shares in issue as at the date when the Shares were first listed on the Stock Exchange, which was 140,411,234 Shares. The Company may at any time refresh this 10% limit, subject to compliance with the Listing Rules, provided that the total number of Shares which may be issued upon exercise of all outstanding options granted and yet to be exercised under the share option scheme and any other share option scheme of the Company does not exceed 30% of the Shares in issue from time to time.

Unless approved by Shareholders of the Company, the total number of Shares issued and to be issued upon exercise of the options granted under the 2010 Share Option Scheme and any other share option scheme of the Group (including both exercised or outstanding options) to each participant in any 12-months period shall not exceed 1% of the then issued share capital of the Company.

An option may be accepted by a participant within 28 days from the date of the offer of the grant of such share option. The amount payable by each grantee of option to the Company on acceptance of the offer for the grant of such share option is US\$1.00.

The 2010 Share Option Scheme does not contain any minimum period for which an option must be held before it can be exercised. At the time of the grant of the options, the Company will specify such minimum period. The period within which the option must be exercised will be specified by the Company at the time of grant. Such period must expire no later than 10 years from the relevant date of grant (being the date on which the Board resolves to make an offer of options to the relevant grantee).

The Board will determine the price per Share upon the exercise of an option according to the terms of the 2010 Share Option Scheme, provided that it shall not be lower than the highest of: (i) the closing price of the Shares as stated in the daily quotation sheet issued by the Stock Exchange on the date of the offer of a grant; (ii) the average closing price of the Shares as stated in the daily quotation sheets issued by the Stock Exchange for the 5 business days immediately preceding the date of the offer of a grant; and (iii) the nominal value of a share on the date of grant.

 $As at 30 \, June \, 2023, the \, total \, outstanding \, options \, that \, has \, been \, granted \, under \, the \, 2010 \, Share \, Option \, Scheme \, was \, 88,514,997.$

Owing to the expiry of the term of the 2010 Share Option Scheme, the shareholders of the Company has resolved at the annual general meeting held on 18 June 2020 to adopt a new share option scheme (the "2020 Share Option Scheme") with largely similar terms as that of the 2010 Share Option Scheme. Upon the adoption of the 2020 Share Option Scheme on 18 June 2020, the 2010 Share Option Scheme was cancelled. Options that have been granted under the 2010 Share Option Scheme prior to its cancellation shall remain valid in accordance with its terms.

The purpose of the 2020 Share Option Scheme is to enable the Company to grant options to selected eligible participants as incentives or rewards for their contribution or potential contribution to the Group. The Directors consider that the 2020 Share Option Scheme will serve to motivate the eligible participants to contribute to the Group's development. The 2020 Share Option Scheme, which will be in the form of options to subscribe for Shares, will enable the Group to recruit, incentivize and retain high-calibre staff, which the Directors consider that it is in line with modern commercial practice that eligible participants, which will include any directors (including executive directors, non-executive directors and independent non-executive directors), employees and officers of any members of the Group and any advisors, consultants, distributors, contractors, contract manufacturers, agents, customers, business partners, joint venture business partners and service providers of any member of the Group who have contributed or will contribute to the Group, be given incentives and align their interests and objectives with that of the Group.

The 2020 Share Option Scheme does not specify a minimum period for which an option must be held nor a performance target which must be achieved before an option can be exercised. However, the rules of the 2020 Share Option Scheme provide that the Board may determine, at its sole discretion, such terms and conditions on the grant of an option. Based on 1,736,355,940 Shares in issue as at the date of the annual general meeting, the maximum number of Shares that may be issued upon the exercise of the options that may be granted under the 2020 Share Option Scheme is 173,635,594 Shares, being 10% of the issued share capital of the Company as at the date of the adoption of the 2020 Share Option Scheme.

The maximum number of Shares in respect of which options may be granted under the 2020 Share Option Scheme to any eligible participant shall not exceed 1% of the Shares in issue within any 12-month period.

Any option offer will be deemed to have been granted and accepted by the grantee when the duplicate offer document constituting acceptance of the option duly signed by the grantee, and a remittance in favour of the Company of US\$1.00 as consideration for the grant thereof is received by the Company within the prescribed period under the scheme.

The exercise price of the options is determined by the Board at its absolute discretion and will be not less than the highest price of the official closing price of the shares of the Company as stated in the daily quotations sheets issued by the Stock Exchange on the date of offer a grant, the average official closing prices of the Company's shares as stated in the daily quotations sheets issued by the Stock Exchange for the five business days immediately preceding the date of grant and the nominal value of the shares of the Company.

The aggregate number of Shares which may be issued upon the exercise of all share options that may be granted under the 2020 Share Option Scheme and all outstanding share options granted and yet to be exercised under the other share option schemes of the Company has not exceeded 30% of the Shares in issue.

On 31 March 2023, the Company granted 18,027,634 options at the exercise price of HK\$20.01 per Share under the 2020 Share Option Scheme.

As at 30 June 2023, the total outstanding options that has been granted under the 2020 Share Option Scheme was 76,894,108.

Adoption of new Share Scheme

Pursuant to the amendments to Chapter 17 of the Listing Rules in relation to share schemes of listed issuers that came into effect on 1 January 2023, the Board resolved to adopt a new share scheme (the "Share Scheme") in compliance with the new Chapter 17 of the Listing Rules. Please make reference to the announcement of the Company dated 3 April 2023, and details of the Share Scheme are also set out in the circular of the Company dated 29 May 2023.

The Share Scheme was approved by the Shareholders at the annual general meeting of the Company held on 19 June 2023. Following the adoption of the Share Scheme, the 2020 Share Option Scheme was terminated. Options granted under the 2020 Share Option Scheme prior to its termination shall remain valid in accordance with its terms.

During the period from the adoption of the Share Scheme to 30 June 2023, no options or awards have been granted.

During the six months ended 30 June 2023, 18,027,634 share options of the Company were granted and the status of the share options of the Company granted up to 30 June 2023 is as follows:

Category of participants	As at 31 Dec 2022	Granted during the Period	Exercised during the Period	Expired during the Period	Cancelled during the Period	As at 30 Jun 2023		Vesting Period	Exercise Period	Exercise Price	Share Price of the Company as at the date of grant of share options	Share Price of the Company Immediately before the exercise date of share options (Note 1)
Directors												HKD13.96
Zhaohua Chang	13,500,000	-	-	_	_	13,500,000	23 Jan 2017	23 Jan 2017 – 23 Jan 2022	23 Jan 2022 – 22 Jan 2027	HKD5.628	HKD5.450	
,	313,636	-	-	_	_	313,636	30 Mar 2017	30 Mar 2017 – 30 Mar 2022	30 Mar 2022 – 29 Mar 2027	HKD5.798	HKD5.700	
	214,535	-	-	-	-	214,535	29 Mar 2018	29 Mar 2023	29 Mar 2023 – 28 Mar 2028	HKD8.510	HKD8.510	
	15,594,188	-	-	-	-	15,594,188	24 Dec 2018	24 Dec 2018 – 30 Dec 2022	24 Dec 2020 - 23 Dec 2028	HKD7.692	HKD7.150	
	225,752	-	-	-	-	225,752	1 Apr 2019	1 Apr 2024	1 Apr 2024 – 31 Mar 2029	HKD7.448	HKD7.270	
	80,306	_	_	-	_	80,306	31 Mar 2020	31 Mar 2025	31 Mar 2025 – 30 Mar 2030	HKD17.54	HKD17.54	
	615,360	_	-	-	_	615,360	21 Jan 2022	21 Feb 2022 - 21 Jan 2023	21 Feb 2022 - 20 Jan 2032	HKD28.05	HKD28.05	
	47,754	-	-	-	-	47,754	1 Apr 2022	1 Apr 2027	1 Apr 2027 – 31 Mar 2032	HKD18.12	HKD17.70	
	615,360	-	-	-	-	615,360	1 Apr 2022	1 May 2022 – 1 Apr 2023	1 May 2022 – 31 Mar 2032	HKD18.12	HKD17.70	
Jonathan H. Chou	395,843	-	395,843	-	-	-	23 Jan 2019	23 Jan 2019 – 23 Jan 2023	2 3 Feb 2019 – 22 Jan 2029	HKD7.730	HKD7.730	
	80,645	-	-	-	-	80,645	14 May 2021	13 Jun 2021-13 May 2022	14 May 2021 - 13 May 2031	HKD57.59	HKD57.45	
	26,881	-	-	-	-	26,881	21 Jan 2022	21 Feb 2022 - 21 Jan 2023	21 Feb 2022 - 20 Jan 2032	HKD28.05	HKD28.05	
	26,881	-	-	-	-	26,881	1 Apr 2022	1 May 2022 - 1 Apr 2023	1 May 2022 - 31 Mar 2032	HKD18.12	HKD17.70	
	26,883	-	-	-	-	26,883	16 May 2022	16 Jun 2022-16 May 2023	16 Jun 2022 – 15 May 2032	HKD14.26	HKD14.26	
Guoen Liu	80,645	-	-	-	-	80,645	14 May 2021	13 Jun 2021-13 May 2022	14 May 2021 – 13 May 2031	HKD57.59	HKD57.45	
	26,881	-	-	-	-	26,881	21 Jan 2022	21 Feb 2022 - 21 Jan 2023	21 Feb 2022 - 20 Jan 2032	HKD28.05	HKD28.05	
	26,881	-	-	-	-	26,881	1 Apr 2022	1 May 2022 - 1 Apr 2023	1 May 2022 - 31 Mar 2032	HKD18.12	HKD17.70	
	26,883	-	-	-	-	26,883	16 May 2022	16 Jun 2022-16 May 2023	16 Jun 2022 – 15 May 2032	HKD14.26	HKD14.26	
Chunyang Shao	80,645	-	-	-	_	80,645	14 May 2021	13 Jun 2021-13 May 2022	14 May 2021 – 13 May 2031	HKD57.59	HKD57.45	
	26,881	-	-	-	-	26,881	21 Jan 2022	21 Feb 2022 - 21 Jan 2023	21 Feb 2022 - 20 Jan 2032	HKD28.05	HKD28.05	
	26,881	-	-	-	-	26,881	1 Apr 2022	1 May 2022 - 1 Apr 2023	1 May 2022 - 31 Mar 2032	HKD18.12	HKD17.70	
	26,883	-	-	-	-	26,883	16 May 2022	16 Jun 2022-16 May 2023	16 Jun 2022 – 15 May 2032	HKD14.26	HKD14.26	
In Aggregate	32,086,604	-	395,843	-	-	31,690,761						
Business associates/ Service provider												-
Maxwell Maxcare Science	11,575,000	-	-	-	-	11,575,000	20 Jan 2015	20 Jan 2015 – 20 Jan 2021	20 Jan 2016 – 19 Jan 2025	HKD3.210	HKD3.170	
Foundation Limited	14,100,000	-	-	-	-	14,100,000	30 Mar 2016	30 Mar 2016 - 30 Mar 2021	30 Mar 2017 – 29 Mar 2026	HKD3.482	HKD3.360	
	36,940	-	-	-		36,940	31 Mar 2021	31 Mar 2026	31 Mar 2026 – 30 Mar 2031	HKD43.75	HKD43.75	
	16,876,788	-	-	-	-	16,876,788	14 May 2021	13 Jun 2021-13 May 2022	14 May 2021 – 13 May 2031	HKD57.59	HKD57.45	
	15,683,008	-	-	4/1/-/-/	-	15,683,008	16 May 2022	16 Jun 2022-16 May 2023	16 Jun 2022-15 May 2033	HKD14.26	HKD14.26	
In Aggregate	58,271,736	_				58,271,736						

Note 1: The share price of the Company disclosed is the weighted average closing price of the shares immediately before the exercise dates of share options during the period.

Category of participants	As at 31 Dec 2022	Granted during the Period	Exercised during the Period	Expired during the Period	Cancelled during the Period		Date of Grant of Share Options	Vesting Period	Exercise Period	Exercise Price	Share Price of the Company as at the date of grant of share options	Share Price of the Company Immediately before the exercise date of share options (Note 1)
Employees												HKD19.88
	70,000	-	70,000	-	-	-	28 Aug 2012	28 Aug 2018 - 28 Aug 2019	28 Aug 2019 – 27 Aug 2022	HKD3.350	HKD3.350	
	250,000	-	250,000	-	-	-	28 Aug 2013	28 Aug 2013 - 28 Aug 2018	28 Aug 2014 - 27 Aug 2023	HKD4.970	HKD4.970	
	630,000	-	-	-	-	630,000	20 Jan 2015	20 Jan 2015 – 20 Jan 2019	20 Jan 2016 - 19 Jan 2025	HKD3.210	HKD3.170	
	150,000	-	150,000	-	-	-	20 Jan 2015	20 Jan 2015 - 20 Jan 2021	20 Jan 2016 - 19 Jan 2025	HKD3.210	HKD3.170	
	7,201,000	-	960,000	_	_	6,241,000	30 Mar 2016	30 Mar 2016 - 30 Mar 2021	30 Mar 2017 – 29 Mar 2026	HKD3.482	HKD3.360	
	7,900,000	-	2,040,000	-	_	5,860,000	23 Jan 2017	23 Jan 2022	23 Jan 2022 – 22 Jan 2027	HKD5.628	HKD5.450	
	2,218,535	-	553,059	-	_	1,665,476	30 Mar 2017	30 Mar 2022	30 Mar 2022 – 29 Mar 2027	HKD5.798	HKD5.700	
	2,000,000	-	1,000,000	1,000,000	-	-	25 Aug 2017	25 Aug 2017 – 25 Aug 2022	25 Aug 2018 – 24 Aug 2027	HKD7.418	HKD7.020	
	1,974,939	-	_	-	_	1,974,939	29 Mar 2018	29 Mar 2023	29 Mar 2023 – 28 Mar 2028	HKD8.510	HKD8.510	
	9,800,658	-	300,759	-	_	9,499,899	24 Dec 2018	24 Dec 2018 – 30 Dec 2022	24 Dec 2020 – 23 Dec 2028	HKD7.692	HKD7.150	
	1,299,758	-	65,776	-	_	1,233,982	23 Jan 2019	23 Jan 2019 – 31 Jan 2023	23 Jan 2021 – 22 Jan 2029	HKD7.730	HKD7.730	
	200,000	-	· -	-	_	200,000	23 Jan 2019	23 Jan 2019 – 23 Jan 2024	23 Jan 2020 – 22 Jan 2029	HKD7.730	HKD7.730	
	312,500	_	_	_	_	312,500	23 Jan 2019	23 Jan 2019 – 23 Jan 2020	23 Feb 2019 – 22 Jan 2029	HKD7.730	HKD7.730	
	3,620,597	-	-	-	122,285	3,498,312	1 Apr 2019	1 Apr 2024	1 Apr 2024 – 31 Mar 2029	HKD7.448	HKD7.270	
	500,000	-	-	-	-	500,000	3 0 Aug 2019	3 0 Aug 2019 – 30 Aug 2024	3 0 Aug 2020 – 29 Aug 2029	HKD6.95	HKD6.95	
	1,219,092	-	-	-	46,006	1,173,086	31 Mar 2020	31 Mar 2025	31 Mar 2025 – 30 Mar 2030	HKD17.54	HKD17.54	
	160,000	-	-	40,000	120,000	-	31 Mar 2020	31 Mar 2021 – 31 Mar 2025	31 Mar 2021 – 30 Mar 2030	HKD17.54	HKD17.54	
	123,386	-	1,000	-	-	122,386	31 Mar 2020	31 Mar 2022 – 31 Mar 2024	31 Mar 2022 – 30 Mar 2030	HKD17.54	HKD17.54	
	600,000	-	_	-	_	600,000	28 Aug 2020	28 Aug 2021 – 28 Aug 2025	28 Aug 2021 – 27 Aug 2030	HKD34.70	HKD34.70	
	1,150,000	-	-	-	_	1,150,000	28 Dec 2020	28 Dec 2021 – 28 Dec 2025	28 Dec 2021 – 27 Dec 2030	HKD42.20	HKD42.20	
	621,745	-	-	-	15,628	606,117	31 Mar 2021	31 Mar 2026	31 Mar 2026 – 30 Mar 2031	HKD43.75	HKD43.75	
	707,467	_	-	_	12,396	695,071	31 Mar 2021	31 Mar 2023–31 Mar 2025	31 Mar 2023 – 30 Mar 2031	HKD43.75	HKD43.75	
	5,800,000	-	-	-	250,000	5,550,000	31 Aug 2021	31 Aug 2028	31 Aug 2028 – 30 Aug 2031	HKD48.15	HKD48.15	
	690,000	-	-	-	-	690,000	2 Nov 2021	2 Nov 2028	2 Nov 2028 – 1 Nov 2031	HKD36.79	HKD34.65	
	3,283,768	-	-	92,238	435	3,191,095	21 Jan 2022	21 Feb 2022 – 21 Jan 2023	21 Feb 2022 – 20 Jan 2032	HKD28.05	HKD28.05	
	3,181,576	-	72,481	53,440	5,921	3,049,734	1 Apr 2022	1 May 2022 - 1 Apr 2023	1 May 2022 – 31 Mar 2032	HKD18.12	HKD17.70	
	4,967,608	-	-	-	469,628	4,497,980	1 Apr 2022	1 Apr 2024 – 1 Apr 2026	1 Apr 2024 – 31 Mar 2032	HKD18.12	HKD17.70	
	1,298,279	-	-	-	86,020	1,212,259	1 Apr 2022	1 Apr 2027	1 Apr 2027 – 31 Mar 2032	HKD18.12	HKD17.70	
	3,098,352	-	89,112	30,818	13,284	2,965,138	16 May 2022	16 Jun 2022-16 May 2023	16 Jun 2022 – 15 May 2032	HKD14.26	HKD14.26	
	300,000	-	-	-	-	300,000	23 June 2022	23 Jun 2023-23 Jun 2027	23 Jun 2023 – 22 Jun 2032	HKD19.92	HKD19.92	
	-	2,775,936	_	_	_	2,775,936		31 March 2028	31 March 2028-30 March 2033	HKD20.01	HKD18.46	
	_	2,251,698	_	_	_	2,251,698	31 March 2023		31 March 2025-30 March 2033	HKD20.01	HKD18.46	
	-	13,000,000	-	-	-	13,000,000	31 March 2023		31 March 2024-30 March 2033	HKD20.01	HKD18.46	
In Aggregate	65,329,260	18,027,634	5,552,187	1,216,496	1,141,603	75,446,608						
Total	155,687,600	18,027,634	5,948,030	1,216,496	1,141,603	165,409,105	1	Total and the second				

Note 1: The share price of the Company disclosed is the weighted average closing price of the shares immediately before the exercise dates of share options during the period.

COMPLIANCE WITH THE CODE ON CORPORATE GOVERNANCE PRACTICES

The Company strives to maintain a high standard of corporate governance to safeguard the interests of its shareholders and to enhance corporate value and accountability.

Throughout the six months ended 30 June 2023, the Company had complied with all the applicable code provisions (the "Code Provisions") as set out in the Corporate Governance Code (the "CG Code") contained in Appendix 14 to the Listing Rules with the exception as addressed below:

Pursuant to Code Provision C.2.1 of the CG Code, the roles of chairman and chief executive officer should be separate and should not be performed by the same individual. The division of responsibilities between the chairman and chief executive officer should be clearly established and set out in writing. The roles of chairman and chief executive officer of the Company are held by Dr. Zhaohua Chang ("Dr. Chang"). Dr. Chang has assumed the responsibility of the executive Director and the chairman of the Board and is responsible for managing the business of the Board and Group. As the Board considers that Dr. Chang has in-depth knowledge of the Group's business and can make appropriate decisions promptly and efficiently, he also assumes the position of the chief executive officer of the Company. Nevertheless, the Board will continue to review the efficacy of the Group's corporate governance structure to assess whether the separation of the positions of chairman and chief executive officer of the Company is necessary.

INTERIM DIVIDEND

The Directors do not recommend the payment of an interim dividend to the Shareholders for the six months ended 30 June 2023 (six months ended 30 June 2022: Nil).

INDEPENDENT REVIEW OF AUDITOR

The interim financial report for the six months ended 30 June 2023 is unaudited, but has been reviewed by KPMG, in accordance with Hong Kong Standard on Review Engagements 2410 "Review of interim financial information performed by the independent auditor of the entity" issued by the Hong Kong Institute of Certified Public Accountants.

AUDIT COMMITTEE AND REVIEW OF FINANCIAL STATEMENTS

The Company has established the Audit Committee in accordance with written terms of reference in compliance with the CG Code. As at the date of this report, the Audit Committee comprises three members: Mr. Jonathan H. Chou (Chairman), Mr. Norihiro Ashida and Mr. Chunyang Shao.

The Audit Committee has reviewed and discussed the interim results and interim report for the six months ended 30 June 2023.

CHANGES IN DIRECTORS' INFORMATION

Changes in the Directors' information required to be disclosed pursuant to R13.51B(1) of the Listing Rules are set out below:

Name of Director	Details of change
Dr. Zhaohua Chang	Re-elected by rotation as executive Director and entered into a letter of appointment dated 19 June 2023 with the Company
Dr. Yasuhisa Kurogi	Retired as non-executive Director on 19 June 2023
Mr. Hiroshi Shirafuji	Elected as non-executive Director and entered into a letter of appointment dated 19 June 2023 with the Company
Mr. Hongliang Yu	Re-elected by rotation as non-executive Director and entered into a letter of appointment dated 19 June 2023 with the Company, and resigned as non-executive Director on 30 August 2023
Mr. Chunyang Shao	Re-elected by rotation as independent non-executive Director and entered into a letter of appointment dated 19 June 2023 with the Company
Ms. Weiqin Sun	Appointed as non-executive Director and entered into a letter of appointment dated 30 August 2023 with the Company
Dr. Qiyi Luo	Appointed as non-executive Director and entered into a letter of appointment dated 30 August 2023 with the Company

Upon specific enquiry by the Company and confirmations from the Directors, save as otherwise set out in this interim report, there are no other changes in the directors' information required to be disclosed pursuant to R13.51B(1) of the Listing Rules since the Company's last published annual report up to the publication date of this interim report.

ZERO COUPON CONVERTIBLE BONDS

In June 2021, the Company issued convertible bonds with a principal amount of US\$700 million (the "Bonds"), which were listed on the Stock Exchange (Stock Code: 40720). The Bonds may be convertible into shares of the Company ("Shares") at the initial conversion price of HK\$92.8163 per Share. The net proceeds from the issue of the Bonds in the amount of approximately US\$689.5 million were intended to be applied for research and development investment, certain capital expenditure and for working capital purposes. As at 30 June 2023, such proceeds were fully utilized for the intended purpose, and the breakdown and description of the use of the proceeds were as follows:

	US\$ million
Certain capital expenditure	349.5
Research and development and working capital	340.0
Total	689.5

By Order of the Board

MicroPort Scientific Corporation

Dr. Zhaohua Chang

Chairman

Shanghai, The PRC 30 August 2023

INDEPENDENT AUDITOR'S REPORT



Review report to the board of directors of MicroPort Scientific Corporation

(Incorporated in the Cayman Islands with limited liability)

INTRODUCTION

We have reviewed the interim financial report set out on pages 36 to 68 which comprises the consolidated statement of financial position of MicroPort Scientific Corporation (the "Company") as at 30 June 2023 and the related consolidated statement of profit or loss, statement of profit or loss and other comprehensive income and statement of changes in equity and condensed consolidated cash flow statement for the six-month period then ended and explanatory notes. The Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited require the preparation of an interim financial report to be in compliance with the relevant provisions thereof and Hong Kong Accounting Standard 34, *Interim financial reporting*, issued by the Hong Kong Institute of Certified Public Accountants. The directors are responsible for the preparation and presentation of the interim financial report in accordance with Hong Kong Accounting Standard 34.

Our responsibility is to form a conclusion, based on our review, on the interim financial report and to report our conclusion solely to you, as a body, in accordance with our agreed terms of engagement, and for no other purpose. We do not assume responsibility towards or accept liability to any other person for the contents of this report.

SCOPE OF REVIEW

We conducted our review in accordance with Hong Kong Standard on Review Engagements 2410, Review of interim financial information performed by the independent auditor of the entity, issued by the Hong Kong Institute of Certified Public Accountants. A review of the interim financial report consists of making enquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with Hong Kong Standards on Auditing and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly we do not express an audit opinion.

CONCLUSION

Based on our review, nothing has come to our attention that causes us to believe that the interim financial report as at 30 June 2023 is not prepared, in all material respects, in accordance with Hong Kong Accounting Standard 34, *Interim financial reporting*.

KPMG

Certified Public Accountants

8th Floor, Prince's Building 10 Chater Road Central, Hong Kong

30 August 2023

CONSOLIDATED STATEMENT OF PROFIT OR LOSS for the six months ended 30 June 2023 (unaudited)

(Expressed in United States dollars)

		Six months ended	l 30 June
	Note	2023	2022
	_	US\$'000	US\$'000
Revenue	3	482,605	404.004
Cost of sales	3	(194,189)	404,984 (157,282)
Gross profit		288,416	247,702
Other net income	4	17,039	41,356
Research and development costs		(187,334)	(186,430)
Distribution costs		(169,800)	(146,610)
Administrative expenses		(95,890)	(133,259)
Other operating costs	5(b)	(12,374)	(8,328)
Loss from operations		(159,943)	(185,569)
Finance costs	5(a)	(37,256)	(46,050)
Gain on deemed disposal of a subsidiary		2,845	_
Gain on deemed disposal of interests in equity-accounted investees		5,437	1,920
Share of profits less losses of equity-accounted investees		(17,258)	(18,141)
Loss before taxation	5	(206,175)	(247,840)
Income tax	6	(13,746)	(5,435)
Loss for the period	_	(219,921)	(253,275)
Attributable to:			
Equity shareholders of the Company		(162,618)	(198,130)
Non-controlling interests		(57,303)	(55,145)
Loss for the period		(219,921)	(253,275)
Loss per share	7		
– Basic (in cents)		(8.94)	(10.94)
– Diluted (in cents)		(9.45)	(11.28)

The notes on pages 44 to 68 form part of this interim financial report. Details of dividends payable to equity shareholders of the Company are set out in note 14(a).

CONSOLIDATED STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME

for the six months ended 30 June 2023 (unaudited) (Expressed in United States dollars)

	Six months en	ded 30 June
	2023	2022
	US\$'000	US\$'000
Loss for the period	(219,921)	(253,275)
Other comprehensive income for the period, net of tax		
Items that will not be reclassified to profit or loss:		
Remeasurement of net defined benefit liabilities	284	471
Items that may be reclassified subsequently to profit or loss:		
Exchange differences on translation of financial statements, net of nil tax	(46,882)	(120,958)
Share of other comprehensive income of equity-accounted investees	(426)	785
Other comprehensive income for the period	(47,024)	(119,702)
Total comprehensive income for the period	(266,945)	(372,977)
Attributable to:		/
Equity shareholders of the Company	(195,553)	(285,248)
Non-controlling interests	(71,392)	(87,729)
Total comprehensive income for the period	(266,945)	(372,977)

The notes on pages 44 to 68 form part of this interim financial report.

CONSOLIDATED STATEMENT OF FINANCIAL POSITION

at 30 June 2023 (unaudited) (Expressed in United States dollars)

	Note	At 30 Jun	e 2023	At 31 December 2022		
		US\$'000	US\$'000	US\$'000	US\$'000	
Non-removal accept						
Non-current assets						
Investment properties			6,315		6,579	
Property, plant and equipment	8	-	969,558	_	993,014	
			975,873		999,593	
Intangible assets	8		223,215		223,683	
Goodwill	· ·		265,571		262,829	
Equity-accounted investees			407,214		423,873	
Financial assets measured at fair value through profit or loss			15,458		18,072	
Derivative financial instruments			4,218		5,083	
Deferred tax assets			27,893		27,637	
Other non-current assets	9	_	97,710	_	94,081	
			2,017,152		2,054,851	
Current assets						
Financial assets measured at fair value through profit or loss		36,874		38,201		
Inventories		395,404		352,428		
Trade and other receivables	10	312,704		284,833		
Pledged deposits and time deposits		226,874		60,765		
Cash and cash equivalents		843,430	_	1,203,007		
		1,815,286		1,939,234		
Current liabilities						
Trade and other payables	11	367,557		380,554		
Contract liabilities		24,146		22,598		
Interest-bearing borrowings	12	257,366		185,387		
Convertible bonds	13	650,589		_		
Lease liabilities		42,457		51,944		
Income tax payable		8,217		17,470		
Derivative financial instruments		5,755	_	4,172		
		1,356,087		662,125		
Net current assets		_	459,199		1,277,109	
Total assets less current liabilities			2,476,351		3,331,960	

CONSOLIDATED STATEMENT OF FINANCIAL POSITION

at 30 June 2023 (unaudited) (Expressed in United States dollars)

	Note	At 30 June 2023		At 31 Decem	ber 2022
		US\$'000	US\$'000	US\$'000	US\$'000
Non-current liabilities					
Interest-bearing borrowings	12	417,298		336,689	
Lease liabilities		103,828		124,373	
Deferred income		34,068		38,123	
Contract liabilities		24,721		24,839	
Convertible bonds	13	98,083		769,553	
Other payables	11	233,392		220,997	
Deferred tax liabilities		24,305		24,718	
		_	935,695	_	1,539,292
NET ASSETS		_	1,540,656	_	1,792,668
CAPITAL AND RESERVE	14				
Share capital			18		18
Reserves			960,178		1,135,012
neserves		_	200,170	_	1,133,012
Total equity attributable to equity shareholders of the Company			960,196		1,135,030
Non-controlling interests		_	580,460	_	657,638
TOTAL EQUITY			1,540,656	_	1,792,668

Approved and authorised for issue by the board of directors on 30 August 2023.

Zhaohua Chang Chairman Jonathan H. Chou Director

The notes on pages 44 to 68 form part of this interim financial report.

CONSOLIDATED STATEMENT OF CHANGES IN EQUITY for the six months ended 30 June 2023 (unaudited)

(Expressed in United States dollars)

		At	tributable to equ	uity shareholders	of the Compa	any			
	Share	Share	Exchange	Capital	Statutory	Accumulated		Non- controlling	Total
	capital	premium	reserve	reserve	reserve	loss	Total	interests	equity
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Balance at 1 January 2022	18	664,862	46,507	1,110,446	119,075	(450,158)	1,490,750	726,742	2,217,492
Changes in equity for the six months ended 30 June 2022:									
Loss for the period	-	_	-	_	_	(198,130)	(198,130)	(55,145)	(253,275)
Other comprehensive income	-	-	(88,201)	1,083	_	_	(87,118)	(32,584)	(119,702)
Total comprehensive income	-	-	(88,201)	1,083	-	(198,130)	(285,248)	(87,729)	(372,977)
Net contributions from non-controlling shareholders of subsidiaries	-	-	-	10,719	-	-	10,719	13,775	24,494
Acquisition of non-controlling interests	-	-	-	(9,263)	-	-	(9,263)	(8,626)	(17,889)
Equity-settled share-based transactions	-	-	-	27,945	-	-	27,945	9,410	37,355
Shares issued under share option scheme of the Company	-	3,091	-	(887)	-	-	2,204	-	2,204
Shares issued under share option scheme of a subsidiary	-	-	-	28	-	-	28	418	446
Shares purchased under share award scheme	-	-	-	(14,173)	-	-	(14,173)	(9,030)	(23,203)
Shares granted under share award scheme	-	-	-	11,731	-	-	11,731	-	11,731
Lapse of share options	-	-	-	(61)	-	61	-	-	-
Dividends to holders of non-controlling interests	-	-	-	-	-	_	-	(12,085)	(12,085)
Balance at 30 June 2022	18	667,953	(41,694)	1,137,568	119,075	(648,227)	1,234,693	632,875	1,867,568

CONSOLIDATED STATEMENT OF CHANGES IN EQUITY for the six months ended 30 June 2023 (unaudited)

(Expressed in United States dollars)

Acces to the contract of		11 64	
Attributable to	eauity shareh	olders of th	e (omnanv

			Atti	ibutable to equ	ity silai elioidei	is of the Colli	parry			
	Note	Share capital US\$'000	Share premium US\$'000	Exchange reserve US\$'000	Capital reserve US\$'000	Statutory general reserve US\$'000	Accumulated loss US\$'000	Total US\$'000	Non- controlling interests US\$'000	Total equity US\$'000
Balance at 1 January 2023		18	670,700	(84,032)	1,315,368	132,353	(899,377)	1,135,030	657,638	1,792,668
Changes in equity for the six months ended 30 June 2023:										
Loss for the period		_	_	_	_	_	(162,618)	(162,618)	(57,303)	(219,921)
Other comprehensive income		_	_	(32,693)	(242)	_	_	(32,935)	(14,089)	(47,024)
Total comprehensive income		-	-	(32,693)	(242)	-	(162,618)	(195,553)	(71,392)	(266,945)
Net contributions from non-controlling shareholders of subsidiaries Capital reduction of non-controlling shareholders of a		-	-	-	374	-	-	374	125	499
subsidiary		-	-	-	-	-	-	-	(287)	(287)
Disposal of a subsidiary		-	-	-	-	-	-	-	(427)	(427)
Acquisition of non-controlling interests	14(c)(iv)	-	-	-	(972)	-	-	(972)	(305)	(1,277)
Repurchase of convertible bonds issued by the Company	13	-	-	-	(575)	-	-	(575)	-	(575)
Equity-settled share-based transactions		-	-	-	12,998	-	-	12,998	7,266	20,264
Shares issued under share option scheme of the Company		-	5,917	-	(1,340)	-	-	4,577	-	4,577
Shares issued under share option scheme of a subsidiary		-	-	-	2	-	-	2	271	273
Repurchase of shares under share award scheme	/ 1 /440	-	-	-	(636)	-	-	(636)	(556)	(1,192)
Shares granted under share award scheme	14(c)(iii)	-	-	-	4,951	-	-	4,951	671	5,622
Lapse of share options		-	-	-	(396)	-	396	-	(42.545)	(42.544)
Dividends to holders of non-controlling interests		-	-	-	-		-		(12,544)	(12,544)
Balance at 30 June 2023		18	676,617	(116,725)	1,329,532	132,353	(1,061,599)	960,196	580,460	1,540,656

The notes on pages 44 to 68 form part of this interim financial report.

CONDENSED CONSOLIDATED CASH FLOW STATEMENT for the six months ended 30 June 2023 (unaudited)

(Expressed in United States dollars)

	Six months ended	l 30 June
	2023	2022
	US\$'000	US\$'000
Operating activities		
Cash used in operations	(131,467)	(151,925)
Income tax paid	(36,107)	(10,385)
Income tax refund received	3,787	12
Net cash used in operating activities	(163,787)	(162,298)
Investing activities		
Payments for purchase of property, plant and equipment and intangible assets	(102,047)	(109,012)
Settlements of consideration in connection with previous year's acquisition of a subsidiary	(6,540)	_
Payments for the investments in equity-accounted investees	-	(71,732)
Payments for the investments in financial assets at fair value through profit or loss ("FVPL")	(8,235)	(470)
Redemption of financial assets at FVPL	9,631	_
Increase in pledged deposits and time deposits	(163,149)	(30,331)
Uplift of structured deposits with banks	142,066	221,634
Placement of structured deposits with banks	(144,869)	(223,385)
Loans to equity-accounted investees	(6,771)	(9,476)
Loans repaid by equity-accounted investees	4,070	8,555
Other cash flows arising from investing activities	3,971	5,096
Net cash used in investing activities	(271,873)	(209,121)

CONDENSED CONSOLIDATED CASH FLOW STATEMENT

for the six months ended 30 June 2023 (unaudited) (Expressed in United States dollars)

Financing activities Capital element of lease rentals paid (22,847) (17,80 (18,80 (18,90 (18		Six months e	nded 30 June
Financing activities Capital element of lease rentals paid Interest for purchase of non-controlling interests Interest payment for repurchase of convertible bonds Interest element of repurchase of convertible bonds Interest bearing borrowings Interest paid for convertible portowings, net of transaction costs Interest paid for convertible bonds Interest paid for c	Not	2023	2022
Capital element of lease rentals paid (22,847) (17,80 (17,80 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (666) (39 (18,493)) (666) (39 (18,493)) (19,277) (17,80 (18,493)) (18,277) (17,80 (18,493)) (18,287) (19,277) (17,80 (18,493)) (18,493) (18,49		US\$'000	US\$'000
Capital element of lease rentals paid (22,847) (17,80 (17,80 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (4,81 (18,493)) (666) (39 (18,493)) (666) (39 (18,493)) (19,277) (17,80 (18,493)) (18,277) (17,80 (18,493)) (18,287) (19,277) (17,80 (18,493)) (18,493) (18,49			
Interest element of lease rentals paid (4,493) (4,87) Lease deposits paid (66) (39) Payments for purchase of non-controlling interests (1,277) (17,88) Payment for repurchase of convertible bonds 13 (31,869) Repayments of interest-bearing borrowings (83,562) (60,64) Proceeds from interest-bearing borrowings, net of transaction costs 255,546 137,03 Capital contributions from non-controlling interests, net of transaction costs 8,526 31,42 Payment for repurchase of shares under share award schemes (1,192) (23,20) Interest paid for convertible bonds (4,225) Payment of dividends to non-controlling interests (12,544) Other cash flows arising from financing activities (6,856) (4,17) Net cash generated from financing activities (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,41	Financing activities		
Lease deposits paid Payments for purchase of non-controlling interests (1,277) Payment for repurchase of convertible bonds Repayments of interest-bearing borrowings Repayments of interest-bearing borrowings (83,562) Repayments of interest-bearing borrowings, net of transaction costs Capital contributions from non-controlling interests, net of transaction costs Payment for repurchase of shares under share award schemes (1,192) (23,20) Interest paid for convertible bonds Payment of dividends to non-controlling interests (11,544) Other cash flows arising from financing activities (340,519) Net cash generated from financing activities (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,41	Capital element of lease rentals paid	(22,847)	(17,804)
Payments for purchase of non-controlling interests Payment for repurchase of convertible bonds Repayments of interest-bearing borrowings Repayments of interest-bearing borrowings Proceeds from interest-bearing borrowings, net of transaction costs Capital contributions from non-controlling interests, net of transaction costs Payment for repurchase of shares under share award schemes Interest paid for convertible bonds Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities Repayments for repurchase of convertible bonds Interest paid for mon-controlling interests Interest paid for convertible bonds Intere	Interest element of lease rentals paid	(4,493)	(4,879)
Payment for repurchase of convertible bonds Repayments of interest-bearing borrowings Repayments of interest-bearing borrowings Proceeds from interest-bearing borrowings, net of transaction costs Capital contributions from non-controlling interests, net of transaction costs Repayment for repurchase of shares under share award schemes Repayment for repurchase of shares under share award schemes Repayment of dividends to non-controlling interests Repayment of transaction costs Repayment of	Lease deposits paid	(66)	(390)
Repayments of interest-bearing borrowings Proceeds from interest-bearing borrowings, net of transaction costs Capital contributions from non-controlling interests, net of transaction costs Repayment for repurchase of shares under share award schemes (1,192) Interest paid for convertible bonds Payment of dividends to non-controlling interests (12,544) Other cash flows arising from financing activities (14,1754,41) Net cash generated from financing activities (340,519) (331,93) Cash and cash equivalents at 1 January (1,192) (23,20) (1,192) (23,20) (24,225) (12,544) (13,193) (331,93) (331,93) (331,93)	Payments for purchase of non-controlling interests	(1,277)	(17,889)
Proceeds from interest-bearing borrowings, net of transaction costs Capital contributions from non-controlling interests, net of transaction costs Payment for repurchase of shares under share award schemes Interest paid for convertible bonds Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,754,41	Payment for repurchase of convertible bonds 13	(31,869)	_
Capital contributions from non-controlling interests, net of transaction costs Payment for repurchase of shares under share award schemes Interest paid for convertible bonds Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,41	Repayments of interest-bearing borrowings	(83,562)	(60,640)
Payment for repurchase of shares under share award schemes Interest paid for convertible bonds Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities Net decrease in cash and cash equivalents Cash and cash equivalents at 1 January 1,203,007 1,754,41	Proceeds from interest-bearing borrowings, net of transaction costs	255,546	137,038
Interest paid for convertible bonds Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities Net decrease in cash and cash equivalents Cash and cash equivalents at 1 January (4,225) (12,544) (6,856) (4,17) (6,856) (4,17) (331,93) (331,93) (331,93) (331,93)	Capital contributions from non-controlling interests, net of transaction costs	8,526	31,421
Payment of dividends to non-controlling interests Other cash flows arising from financing activities Net cash generated from financing activities 95,141 39,48 Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,41	Payment for repurchase of shares under share award schemes	(1,192)	(23,203)
Other cash flows arising from financing activities(6,856)(4,17)Net cash generated from financing activities95,14139,48Net decrease in cash and cash equivalents(340,519)(331,93)Cash and cash equivalents at 1 January1,203,0071,754,41	Interest paid for convertible bonds	(4,225)	-
Net cash generated from financing activities 95,141 39,48 Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,41	Payment of dividends to non-controlling interests	(12,544)	-
Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,47	Other cash flows arising from financing activities	(6,856)	(4,172)
Net decrease in cash and cash equivalents (340,519) (331,93) Cash and cash equivalents at 1 January 1,203,007 1,754,47			
Cash and cash equivalents at 1 January 1,203,007 1,754,41	Net cash generated from financing activities	95,141	39,482
Cash and cash equivalents at 1 January 1,203,007 1,754,41			
	Net decrease in cash and cash equivalents	(340,519)	(331,937)
Effect of foreign exchange rate changes (19,058)	Cash and cash equivalents at 1 January	1,203,007	1,754,414
	Effect of foreign exchange rate changes	(19,058)	(41,679)
Cash and cash equivalents at 30 June 843,430 1,380,79	Cash and cash equivalents at 30 June	843.430	1,380,798

The notes on pages 44 to 68 form part of this interim financial report.

(Expressed in United States dollars unless otherwise indicated)

1 BASIS OF PREPARATION

The interim financial report has been prepared in accordance with the applicable disclosure provisions of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited (the "Stock Exchange"), including compliance with Hong Kong Accounting Standard ("HKAS") 34, *Interim financial reporting*, issued by the Hong Kong Institute of Certified Public Accountants ("HKICPA"). It has been reviewed by the audit committee of the Company and was authorised for issue on 30 August 2023.

The interim financial report has been prepared in accordance with the same accounting policies adopted in the 2022 annual financial statements, except for the accounting policy changes that are expected to be reflected in the 2023 annual financial statements. Details of any changes in accounting policies are set out in note 2.

The preparation of an interim financial report in conformity with HKAS 34 requires management to make judgments, estimates and assumptions that affect the application of policies and reported amounts of assets and liabilities, income and expenses on a year-to-date basis. Actual results may differ from these estimates.

The interim financial report contains condensed consolidated financial statements and selected explanatory notes. The notes include an explanation of events and transactions that are significant to an understanding of the changes in financial position and performance of MicroPort Scientific Corporation (the "Company") and its subsidiaries (together, the "Group") since the 2022 annual financial statements. The condensed consolidated interim financial statements and notes thereon do not include all of the information required for a full set of financial statements prepared in accordance with Hong Kong Financial Reporting Standards ("HKFRSs").

This interim financial report is unaudited, but has been reviewed by KPMG in accordance with Hong Kong Standard on Review Engagements 2410, *Review of interim financial information performed by the independent auditor of the entity*, issued by the HKICPA. KPMG's independent review report to the Board of Directors of the Company is included on page 35.

The financial information relating to the financial year ended 31 December 2022 that is included in the interim financial report as comparative information does not constitute the Company's annual consolidated financial statements for that financial year but is derived from those financial statements. The Company's annual consolidated financial statements for the year ended 31 December 2022 are available from the Company's registered office. The auditors have expressed an unqualified opinion on those financial statements in their report dated 30 March 2023.

(Expressed in United States dollars unless otherwise indicated)

2 CHANGES IN ACCOUNTING POLICIES

The HKICPA has issued the following new standard and amendments to HKFRSs that are first effective for the current accounting period of the Group:

- HKFRS 17, Insurance contracts
- Amendments to HKAS 8, Accounting policies, changes in accounting estimates and errors: Definition of accounting estimates
- Amendments to HKAS 12, Income taxes: Deferred tax related to assets and liabilities arising from a single transaction
- Amendments to HKAS 12, Income taxes: International tax reform Pillar Two model rules

None of these developments have had a material effect on how the Group's results and financial position for the current or prior periods have been prepared or presented in this interim financial report. The Group has not applied any new standard or interpretation that is not yet effective for the current accounting period.

3 REVENUE AND SEGMENT REPORTING

The Group manages its business by divisions, which are organised by a mixture of both lines of business (products and services) and geography. In a manner consistent with the way in which information is reported internally to the Group's most senior executive management for the purposes of resource allocation and performance assessment, the Group has identified a number of reportable segments. No operating segments have been aggregated to form the following reportable segments.

(a) Disaggregation of revenue

Disaggregation of revenue from contracts with customers by major products or service lines and geographical location of customers is as follows:

Revenue from contracts with customers within the scope of HKFRS 15
Disaggregated by major products or service lines
– Sales of medical devices
- Others

Revenue from other sources

Six months ended 30 June						
2023 202						
US\$'000	US\$'000					
472,745	399,521					
6,328	3,632					
479,073	403,153					
3,532	1,831					
482,605	404,984					

(Expressed in United States dollars unless otherwise indicated)

3 REVENUE AND SEGMENT REPORTING (CONTINUED)

(a) Disaggregation of revenue (continued)

Disaggregated by geographical location of external customers – the People's Republic of China (the "PRC") (country of domicile)

- North America
- Europe
- Asia (excluding the PRC)
- South America
- Others

Six months ended 30 June						
2023 20						
US\$'000	US\$'000					
248,179	188,660					
50,354	48,936					
132,128	123,806					
34,078	30,040					
11,052	6,161					
6,814	7,381					
234,426	216,324					
482,605	404,984					

The geographical analysis above includes property rental income from external customers in the PRC and the United States for the six months ended 30 June 2023 of US\$3,259,000 (six months ended 30 June 2022: US\$1,831,000).

Disaggregation of revenue from contracts with customers by the timing of revenue recognition is disclosed in note 3(b).

(Expressed in United States dollars unless otherwise indicated)

3 REVENUE AND SEGMENT REPORTING (CONTINUED)

(b) Information about profit or loss, assets and liabilities

Disaggregation of revenue from contracts with customers by timing of revenue recognition, as well as information regarding the Group's reportable segments as provided to the Group's most senior executive management for the purposes of resource allocation and assessment of segment performance for the period is set out below:

					Six months end	ed 30 June 2023				
				Endovascular and peripheral						
	Cardiovascular	Orthopedics	Cardiac rhythm	vascular	Neurovascular		Surgical	Surgical		
	devices	devices	management	devices	devices	Heart valve	robot	devices		
	business	business	business	business	business	business	business	business	Others*	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Disaggregated by timing of revenue										
recognition										
Point in time	77,751	115,293	103,303	88,985	42,614	25,035	4,895	3,121	11,748	472,745
Over time	1,465	568	4,969	_	_		· -	· -	2,858	9,860
Revenue from external customers	79,216	115,861	108,272	88,985	42,614	25,035	4,895	3,121	14,606	482,605
Inter-segment revenue	7,230	496	98	183	145	228	1,888	361	-	10,629
inter segment evenue	- 1,200						.,,,,,			10,025
Reportable segment revenue	86,446	116,357	108,370	89,168	42,759	25,263	6,783	3,482	14,606	493,234
neportable segment revenue	007770	110,337	100,370	07,100	74/137	23,203	0,703	3,702	14,000	773,237
Reportable segment net profit/(loss)	8,766	(26,503)	(48,927)	39,512	8,376	(25,264)	(77,848)	(9,446)	(40,502)	(171,836)
					At 30 Ju	ine 2023				
				Endovascular						
				and peripheral						
	Cardiovascular	Orthopedics	Cardiac rhythm	vascular	Neurovascular		Surgical	Surgical		
	devices	devices	management	devices	devices	Heart valve	robot	devices		
	business	business	business	business	business	business	business	business	Others*	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Reportable segment assets	568,128	533,021	431,363	302,751	262,043	401,410	241,360	196,520	611,127	3,547,723
Reportable segment liabilities	263,691	421,798	444,431	44,814	44,379	33,440	111,511	78,197	185,726	1,627,987

(Expressed in United States dollars unless otherwise indicated)

3 REVENUE AND SEGMENT REPORTING (CONTINUED)

(b) Information about profit or loss, assets and liabilities (continued)

				Six m	onths ended 30 June	e 2022				
				Endovascular and peripheral						
	Cardiovascular devices	Orthopedics devices	Cardiac rhythm management	vascular devices	Neurovascular devices	Heart valve	Surgical robot	Surgical devices		
	business	business	business	business	business	business	business	business	Others*	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
Disaggregated by timing of revenue recognition										
Point in time	60,349	107,320	102,340	70,765	31,326	18,987	156	2,433	7,423	401,099
Over time	335	391	2,054	_	-	-	-	-	1,105	3,885
Revenue from external customers	60,684	107,711	104,394	70,765	31,326	18,987	156	2,433	8,528	404,984
Inter-segment revenue	8,923	963	43	_	139	-	-	-	177	10,245
Reportable segment revenue	69,607	108,674	104,437	70,765	31,465	18,987	156	2,433	8,705	415,229
Reportable segment net (loss)/profit	(4,327)	(27,172)	(36,777)	32,793	(14,258)	(18,822)	(71,177)	(13,324)	(39,310)	(192,374)
				ı	At 31 December 202	2				
				Endovascular and peripheral						
	Cardiovascular	Orthopedics	Cardiac rhythm	vascular	Neurovascular		Surgical	Surgical		
	devices	devices	management	devices	devices	Heart valve	robot	devices		
	business	business	business	business	business	business	business	business	Others*	Total
	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000	US\$'000
B	545.000	100.000	474 /	2077.	240.052	122.170	274.040	242.202	560404	3 557 053
Reportable segment assets	565,823	489,305	471,111	287,148	260,852	433,178	276,960	213,392	560,184	3,557,953
Reportable segment liabilities	239,368	335,395	438,940	35,813	47,417	35,304	73,491	67,526	152,192	1,425,446

Revenues and results from segments below the quantitative thresholds are mainly attributable to non-vascular interventional devices business, fermentation-based active pharmaceutical ingredients business, medical imaging business and electrophysiology devices business, etc.. None of those segments individually met any of the quantitative thresholds for reportable segments.

(Expressed in United States dollars unless otherwise indicated)

3 REVENUE AND SEGMENT REPORTING (CONTINUED)

(c) Reconciliations of reportable segment profit or loss

	US\$'000	US\$'000
Segments total net loss	(171,836)	(192,374)
Share awards scheme	(4,241)	(8,144)
Other equity-settled share-based payment expenses	(6,729)	(18,957)
Unallocated exchange (loss)/gain	(1,730)	3,869
Interest on convertible bonds issued by the Company	(8,208)	(8,011)
Gain on deemed disposal of subsidiaries	2,845	-
Gain on deemed disposal of interests in equity-accounted investees	5,437	-
Unallocated expenses, net	(35,459)	(29,658)
Consolidated loss for the period	(219,921)	(253,275)

4 OTHER NET INCOME

Government grants
Interest income on financial assets carried at amortised cost
Net loss on disposal of property, plant and equipment (note 8)
Net foreign exchange (loss)/gain
Net realised and unrealised (loss)/gain on financial instruments carried
at fair value through profit or loss
Gain on repurchase of convertible bonds (note 13)
Others

SIX IIIOIIIIIS CIIUCU SO SUIIC					
2023	2022				
US\$'000	US\$'000				
10,842	6,125				
15,871	10,275				
(5,492)	(79)				
(2,077)	6,044				
(6,086)	6,272				
2,948	_				
1,033	12,719				
17,039	41,356				

Six months ended 30 June

Six months ended 30 June

2023 2022

NOTES TO THE UNAUDITED INTERIM FINANCIAL REPORT (Expressed in United States dollars unless otherwise indicated)

LOSS BEFORE TAXATION

Loss before taxation is arrived at after charging/(crediting):

(a) Finance costs

	Six months ended 30 June		
	2023	2022	
	US\$'000	US\$'000	
Interest on the convertible bonds (note 13)	8,208	8,011	
Interest on other interest-bearing borrowings	11,007	8,726	
Interest on preferred shares issued by subsidiaries (note 11)	11,018	23,224	
Interest on lease liabilities	4,967	4,313	
Total interest expense on financial liabilities not at fair value through profit or loss	35,200	44,274	
Less: interest expense capitalised into properties under development	(710)	(194)	
	34,490	44,080	
Others	2,766	1,970	
	37,256	46,050	

(b) Other operating costs

Legal and professional fee
Donations
Others

Six months ended 30 June				
2023 2022				
US\$'000	US\$'000			
1,632	4,032			
5,621	3,478			
5,121	818			
12,374	8,328			

(Expressed in United States dollars unless otherwise indicated)

5 LOSS BEFORE TAXATION (CONTINUED)

(c) Other items

	Six months ended 30 June		
	2023	2022	
	US\$'000	US\$'000	
Amortisation of intangible assets	10,288	9,586	
Depreciation charge			
– owned property, plant and equipment	36,000	26,131	
– right-of-use assets	22,490	27,818	
Less: Amounts capitalised as development costs	(340)	(282)	
Total amortisation and depreciation in the consolidated statement of profit or loss	68,438	63,253	
Research and development costs	199,130	195,051	
Less: Amortisation of capitalised development costs	(3,466)	(3,092)	
Costs capitalised into intangible assets	(11,796)	(8,621)	
	183,868	183,338	
Provision of inventories write-down	4,537	1,299	
Provision for impairment of:			
– trade and other receivables	569	4,536	

(Expressed in United States dollars unless otherwise indicated)

6 INCOME TAX

(a) Taxation in the consolidated statement of profit or loss represents:

Current tax – the PRC corporate income tax ("CIT")
Current tax – other jurisdictions
Deferred taxation

JIX IIIOIILII3 EIIGEG 30 JUILE				
2023	2022			
US\$'000	'000 US\$'000			
10,192	6,696			
3,723	1,538			
(169)	(2,799)			
13,746	5,435			

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Pursuant to the CIT Law of the PRC, during the six months ended 30 June 2023, all of the Company's PRC subsidiaries are liable to PRC CIT at a rate of 25% except for those subsidiaries entitled to a preferential income tax rate of 15% as they are certified as "High and New Technology Enterprise" ("HNTE"). According to Guoshuihan 2009 No. 203, if an entity is certified as an HNTE, it is entitled to a preferential income tax rate of 15% during the certified period.

Taxation for overseas subsidiaries is similarly calculated using the estimated annual effective rates of taxation that are expected to be applicable in the relevant countries.

(b) Pillar Two income tax

Certain countries which the Group operates in, recently enacted or plan to enact new tax laws to implement the Pillar Two model rules with reference to the framework published by the Organisation of Economic Co-operation and Development ("OECD"). The new tax laws will take effect after 1 January 2024. When these laws take effect, the Group expects to be subject to a system of top-up taxes adjustments that results in the total amount of taxes payable on excess profit in each jurisdiction representing at least the minimum rate of 15%. As the new tax laws are not yet effective, the Group does not expect any current tax impact for the year ending 31 December 2023. The Group has applied the temporary mandatory exception from deferred tax accounting for the top-up tax and would account for the tax as current tax when incurred.

7 LOSS PER SHARE

(a) Basic loss per share

The calculation of basic loss per share is based on the loss attributable to ordinary equity shareholders of the Company of US\$162,618,000 for the six months ended 30 June 2023 (six months ended 30 June 2022: US\$198,130,000) and the weighted average of 1,819,936,000 ordinary shares in issue during the six months ended 30 June 2023 (six months ended 30 June 2022: 1,811,000,000 ordinary shares).

(b) Diluted loss per share

The calculation of diluted loss per share is based on the loss attributable to ordinary equity shareholders of the Company of US\$171,898,000 for the six months ended 30 June 2023 (six months ended 30 June 2022: US\$204,794,000) and the weighted average number of ordinary shares of 1,819,936,000 shares for the six months ended 30 June 2023 (six months ended 30 June 2022: 1,816,084,000 ordinary shares) after adjusting the effects of dilutive potential issuable ordinary shares under a put option granted to Sino Rhythm Limited ("SRL") that may be settled in ordinary shares of the Company.

(Expressed in United States dollars unless otherwise indicated)

8 OTHER PROPERTY, PLANT AND EQUIPMENT AND INTANGIBLE ASSETS

During the six months ended 30 June 2023, certain subsidiaries of the Group entered into lease agreements for use of manufacturing facilities, warehouses and office buildings, and therefore recognised the additions to right-of-use assets of US\$9,240,000 (six months ended 30 June 2022: US\$8,802,000).

During the six months ended 30 June 2023, the Group acquired items of property, plant and equipment with a cost of US\$42,970,000 (six months ended 30 June 2022: US\$58,613,000), incurred construction costs for buildings of US\$48,559,000 (six months ended 30 June 2022: US\$30,338,000) and capitalised development costs of US\$11,796,000 (six months ended 30 June 2022: US\$8,621,000).

Items of property, plant and equipment with a net book value of US\$11,937,000 were disposed of or written off during the six months ended 30 June 2023 (six months ended 30 June 2022: US\$612,000), resulting in losses of US\$5,492,000 (six months ended 30 June 2022: losses of US\$79,000).

9 OTHER NON-CURRENT ASSETS

Lease and security deposits (i) Income tax recoverable (ii) Lease receivables Valued-added tax recoverable Prepayment for non-current assets Others

At 30 June	At 31 December
2023	2022
US\$'000	US\$'000
45,194	46,940
15,461	13,127
9,815	5,539
3,148	3,280
14,248	16,937
9,844	8,258
97,710	94,081

Notes:

- i Lease and security deposits are typically paid for leased properties, which are refundable after the expiry of the lease.
- ii Income tax recoverable primarily represents a tax credit totalling US\$18,870,000 (31 December 2022: US\$16,474,000) from French government, which is an incentive tax programme to support the research and development projects of a subsidiary in France ("France CIR"). The French CIR is deductible from the following 3 years' income tax or is receivable from the France government after 3 years if there are no sufficient profits available to deduct such research and development costs. As at 30 June 2023, the France CIR are classified as current and non-current receivables amounting US\$3,409,000 (31 December 2022: US\$3,347,000) and US\$15,461,000 (31 December 2022: US\$13,127,000), respectively.

(Expressed in United States dollars unless otherwise indicated)

10 TRADE AND OTHER RECEIVABLES

As of the end of the Reporting Period, the ageing analysis of trade receivables (which are included in trade and other receivables), based on the invoice date and net of allowance for doubtful debts, is as follows:

	At 30 June	At 31 December
	2023	2022
	US\$'000	US\$'000
Within 1 month	101,758	74,650
1 to 3 months	61,009	69,211
3 to 12 months	22,934	23,508
More than 12 months	2,966	3,504
Trade debtors, net of loss allowance	188,667	170,873
Other debtors	18,470	12,532
Income tax recoverable (note 9)	3,409	3,347
Deposits and prepayments	102,158	98,081
	312,704	284,833

Trade receivables are due within 30 to 360 days from the date of billing.

(Expressed in United States dollars unless otherwise indicated)

11 TRADE AND OTHER PAYABLES

As of the end of the Reporting Period, the ageing analysis of trade payables (which are included in trade and other payables), based on the invoice date, is as follows:

	At 30 June	At 31 December
	2023	2022
	US\$'000	US\$'000
Current		
Within 1 month	115,518	111,694
Over 1 month but within 3 months	17,427	16,794
Over 3 months but within 6 months	4,391	3,169
Over 6 months but within 1 year	4,168	4,806
Over 1 year	5,330	6,798
Trade payables	146,834	143,261
Advance received in connection with the contribution from non-controlling shareholders (i)	8,027	_
Consideration payables in connection with the acquisition of subsidiaries	14,012	23,499
Other payables and accrued charges	198,684	213,794
	367,557	380,554
Non-current Non-current		
Share repurchase obligation (ii)	203,181	192,163
Contingent consideration in connection with the acquisition of a subsidiary	4,961	8,823
Net defined benefit obligation	9,127	9,510
Other payables	16,123	10,501
	233,392	220,997

(Expressed in United States dollars unless otherwise indicated)

11 TRADE AND OTHER PAYABLES (CONTINUED)

Notes:

i In June 2023, MicroPort Urocare Medtech (Jiaxing) Co., Ltd. ("MP Urocare", a subsidiary of the Group) entered into a capital contribution agreement with several investors, pursuant to which, these investors agreed to contribute in aggregate RMB140 million in cash to subscribe for the additional registered capital MP Urocare of RMB13 million (the "MP Urocare Capital Increase").

As at 30 June 2023, the transaction was not completed as certain closing conditions specified in the agreement has not been fulfilled. MP Urocare received part of the cash consideration of RMB58,000,000 (equivalent to US\$8,027,000), which was recorded as "other payables" as at 30 June 2023.

ii As at 30 June 2023, MicroPort Cardiac Rhythm Management Limited ("CRM Cayman") had several series of preferred shares issued to certain investors in connection with its financings. These preferred shares include liquidation preference right, redemption right and conversion right granted to these investors.

As these preferred shares can be converted into ordinary shares of CRM Cayman where the number of shares to be issued is fixed, the conversion right is recognised as equity component. The redemption obligations embedded in these preferred shares, which are settled by cash, give rise to financial liabilities, which are measured at the highest of those amounts that could be payable, and on a present value basis. The subsequent changes of liabilities under amortised costs are recognised in profit or loss.

Movement of the share repurchase obligations arising from these preferred shares are as follows:

	033 000
As at 1 January 2023 Charge to finance costs (note 5(a))	192,163 11,018
As at 30 June 2023	203,181

(Expressed in United States dollars unless otherwise indicated)

At 30 June

2023

US\$'000

417,298

674,664

At 31 December

2022

US\$'000

336,689

522,076

12 INTEREST-BEARING BORROWINGS

Bank loans secured - unsecured

As of the end of the Reporting Period, the interest-bearing borrowings were repayable as follows:

Within 1 year or on demand	257,366	185,387
After 1 year but within 2 years After 2 years but within 5 years After 5 years	101,087 211,979 104,232	68,460 187,697 80,532
Arter 5 years	104,232	00,532

As of the end of the Reporting Period, the interest-bearing borrowings were secured as follows:

At 30 June	At 31 December
2023	2022
US\$'000	US\$'000
254,392	236,427
420,272	285,649
674,664	522,076

At 30 June 2023, the bank facilities drawn down by the Group of US\$109,158,000 (31 December 2022: US\$92,665,000) were secured by land use rights and buildings held for own use with net book values of US\$9,759,000 and US\$175,694,000, respectively (31 December 2022: land use rights of US\$10,220,000 and buildings held for own use of US\$138,443,000, respectively).

At 30 June 2023, the bank loans totalling US\$145,234,000 (31 December 2022: US\$143,762,000) were secured by the Group's equity interest in several subsidiaries including Fujian Kerui Pharmaceutical Co., Ltd., Suzhou MicroPort Argus Medtech Co., Ltd., MicroPort Vision Power MedTech (Shanghai) Co., Ltd., Hemovent GmbH and Shanghai Huanbo Digital Technology Co., Ltd., etc..

Part of the Group's banking facilities are subject to the fulfilment of covenants relating to certain of the Group's balance sheet ratios, as are commonly found in lending arrangements with financial institutions. If the Group were to breach the covenants, the drawn down facilities would become payable on demand. The Group regularly monitors its compliance with these covenants. As at 30 June 2023, none of the covenants relating to drawn down facilities had been breached.

(Expressed in United States dollars unless otherwise indicated)

13 CONVERTIBLE BONDS

	2023 US\$'000	2022 US\$'000
Convertible bonds issued by CRM Cayman	98,083	92,930
Convertible bonds issued by the Company (Note)	650,589	676,623
	748,672	769,553
Representing		
Current portion	650,589	_
Non-current portion	98,083	769,553
	748,672	769,553

Note:

In June 2021, the Company issued convertible bonds with a principal amount of US\$700 million (the "2021 Convertible Bonds"), which were listed on the Stock Exchange. As at 30 June 2023, the quoted market value of the 2021 Convertible Bonds is approximately US\$596.8 million.

Pursuant to the terms of the 2021 Convertible Bonds, the bondholders could convert part of or the entire outstanding bond balances at the option of the bondholders into fully paid ordinary shares of the Company at an initial conversion price of HK\$92.8163 per share, subject to the adjustment under certain terms and conditions at the fixed exchange rate of HK\$7.7594 to US\$1 before the maturity date.

The maturity date of the 2021 Convertible Bonds is 11 June 2026 and the Company shall redeem the 2021 Convertible Bonds at the price equals to 105.11% of the principal amount on the maturity date. In addition, the bondholders also have a right to require the Company to redeem entire or partial of the 2021 Convertible Bonds on 11 June 2024 at the price equals to the 103.04% of the principal amount.

During the six months ended 30 June 2023, the 2021 Convertible Bonds with a principal amount of US\$35,000,000 were repurchased by the Company, at a total cash consideration of US\$31,869,000. The Group determined the fair value of the liability component and allocated this amount to the liability component of the acquisition price. The amount of US\$2,948,000, being the difference between the consideration allocated to the liability component of the acquisition price and the carrying amount of the liability is recognised in profit and loss. The remainder of the acquisition price of US\$575,000 was recognised in equity.

The movement of the 2021 Convertible Bonds during the period represents as follow:

	Liability component US\$'000	Equity component US\$'000	Total US\$'000
At 1 January 2023	676,623	37,928	714,551
Interest charged (note 5(a)) Repurchase by the Company	8,208 (34,242)	– (575)	8,208 (34,817)
At 30 June 2023	650,589	37,353	687,942

No conversion of the 2021 Convertible Bonds had occurred up to 30 June 2023.

The Group is proactively seeking potential financing opportunities to address the Group's liquidity needs.

(Expressed in United States dollars unless otherwise indicated)

14 CAPITAL, RESERVES AND DIVIDENDS

(a) Dividends

The directors of the Company did not propose any payment of final dividend in respect of the previous year during the six months ended 30 June 2023 (six months ended 30 June 2022: nil).

The directors of the Company did not propose any payment of interim dividend during the six months ended 30 June 2023 (six months ended 30 June 2022: nil).

(b) Purchase of own shares

During the six months ended 30 June 2023, the Company did not purchase any of its own ordinary shares (for the six months ended 30 June 2022: 2,755,400 ordinary shares) through the designated trustees under the share award scheme (note 14(c)(iii)).

Repurchased shares held at the end of Reporting Period under the share award scheme were classified as treasury shares and presented as a decrease in the capital reserve.

At 30 June 2023, the trustee under a long-term benefit plan held 172,000 ordinary shares of the Company (31 December 2022: 172,000 ordinary shares). These shares are treated as plan assets and carried at fair value with reference to the share price of ordinary shares of the Company, which are presented as a deduction of non-current defined benefit obligation.

(Expressed in United States dollars unless otherwise indicated)

14 CAPITAL, RESERVES AND DIVIDENDS (CONTINUED)

(c) Equity-settled share-based payment transactions

(i) Share scheme adopted by the Company

The Company has adopted a share scheme, pursuant to which, the board of directors may authorise, at their discretion, the issuance of share options to the executives, employees, external consultants or business associates of the Group. Each option gives the holder the right to subscribe for one ordinary share of the Company.

The movements in the number and weighted average exercise prices of share options are as follow:

	2023 Weighted		202	2
	average exercise price HK\$	Number of options	Weighted average exercise price HK\$	Number of options
Outstanding at 1 January	16.46	155,687,600	15.65	130,646,179
Granted during the period	20.01	18,027,634	17.18	34,514,242
Exercised during the period	6.03	(5,948,030)	6.07	(3,068,437)
Forfeited during the period	24.06	(1,141,603)	15.93	(1,376,441)
Cancelled during the period	9.96	(1,216,496)	_	
Outstanding at 30 June	17.12	165,409,105	16.16	160,715,543

The amount payable by each grantee on acceptance of the offer for the option granted is US\$1.00. The share options granted during the six months ended 30 June 2023 are exercisable upon vesting and then expire in a period from March 2024 to March 2033.

(Expressed in United States dollars unless otherwise indicated)

14 CAPITAL, RESERVES AND DIVIDENDS (CONTINUED)

(c) Equity-settled share-based payment transactions (continued)

(ii) Share scheme adopted by subsidiaries

Several subsidiaries of the Group have adopted their respective share schemes (the "Subsidiary Share Scheme"), pursuant to which, the board of directors of each subsidiary may authorise, at their discretion, the issuance of share options to the eligible person as defined in each Subsidiary Share Scheme. Each option gives the holder the right to subscribe for one ordinary share or one registered capital unit of the respective subsidiary.

During the six months ended 30 June 2023, the number and weighted average exercise prices of share options granted under the Subsidiary Share Scheme are as follow:

Name of subsidiary	Month/ year	Number of share options granted	Weighted average exercise price	Vesting period	Contractual life
MicroPort CardioFlow Medtech Corporation ("MP CardioFlow")	March 2023	10,079,716	HK\$2.53	From March 2023 to March 2028	10 years
Suzhou MicroPort Orthopedics Scientific (Group) Co., Ltd. ("Suzhou MP Orthopedics")	April 2023	2,115,311	RMB11.42	From April 2023 to April 2028	10 years

(iii) Share award scheme

Pursuant to the share award scheme (as amended) of the Company, which was adopted and approved by the Board in 2021, the Company may purchase its own shares and grant such shares to certain employees of the Group at nil consideration. For the six months ended 30 June 2023, the Company granted 1,803,541 shares (six months ended 30 June 2022: 1,578,325) with a fair value of US\$4,241,000 (six months ended 30 June 2022: US\$3,559,000) to the Group's executives and employees.

MP CardioFlow has adopted its share award scheme and may purchase its own shares and grant such shares to certain employee of the eligible person. For the six months ended 30 June 2023, MP CardioFlow granted 1,386,223 shares (six months ended 30 June 2022: 1,030,424 shares) at nil consideration with a fair value of US\$427,000 (six months ended 30 June 2022: US\$343,000) to the executives of MP CardioFlow.

MicroPort NeuroTech Limited ("MP NeuroTech") has also adopted its share award scheme and may purchase its own shares and grant such shares to certain employee of the eligible person. For the six months ended 30 June 2023, MP NeuroTech granted 516,717 shares (six months ended 30 June 2022: nil) at nil consideration with a fair value of US\$954,000 (six months ended 30 June 2022: nil) to the executives and employees of MP NeuroTech to settle the discretionary bonuses.

(Expressed in United States dollars unless otherwise indicated)

14 CAPITAL, RESERVES AND DIVIDENDS (CONTINUED)

(c) Equity-settled share-based payment transactions (continued)

(iv) Bonus distribution plan

On 30 March 2020, the board of the Company approved a bonus distribution plan, pursuant to which, the Company may purchase the shares of the designated subsidiaries and grant such shares to the executive and the employee of the Group at nil consideration.

During the six months ended 30 June 2023, 400,000 ordinary shares of MP CardioFlow (six months ended 30 June 2022: 8,631,000), nil ordinary shares of Shanghai MicroPort MedBot (Group) Co., Ltd. ("MP MedBot") (six months ended 30 June 2022: 624,500) and 652,000 ordinary shares of MP NeuroTech (six months ended 30 June 2022: nil) were purchased with aggregated consideration of US\$1,277,000 (six months ended 30 June 2022: US\$5,388,000) in cash.

During the six months ended 30 June 2023, 2,356,875 ordinary shares of MP CardioFlow (six months ended 30 June 2022: 6,503,842), 53,239 ordinary shares of MP MedBot (six months ended 30 June 2022: 154,546) and 499,520 ordinary shares of MP NeuroTech (six months ended 30 June 2022: nil) were granted with a fair value of US\$1,816,000 (six months ended 30 June 2022: US\$2,891,000).

(v) Employee share purchase plan ("ESPP")

Since 2014, the Group adopted several ESPPs, pursuant to which, the partnership firms, whose limited partners consisted of employees of the Group, invested in the Group's subsidiaries and equity-accounted investees (together, the "Target Companies") by way of subscribing newly issued equity interests of the Target Companies, or acquiring equity interests from the Group. All participants of above ESPPs have purchased equity interests in respective partnership firms at amounts specified in the respective partnership agreements.

All ESPPs contain a service condition. Employees participating in the plan have to transfer out their equity interests if their employments with the Group or the Group's equity-accounted investees were terminated within the vesting period, to a person or a party nominated by the general partners of the partnership firms at a price no higher than the amounts specified in the respective partnership agreements. The fair value of the ESPP at the grant date, being the difference between the considerations and the fair value of the equity interests subscribed shall be spread over the vesting period and recognised as staff costs in the profit or loss.

(Expressed in United States dollars unless otherwise indicated)

15 FAIR VALUE MEASUREMENT OF FINANCIAL INSTRUMENTS

(a) Financial assets and liabilities measured at fair value

(i) Fair value hierarchy

The following table presents the fair value of the Group's financial instruments measured at the end of the Reporting Period on a recurring basis, categorised into the three-level fair value hierarchy as defined in HKFRS 13, Fair value measurement. The level into which a fair value measurement is classified is determined with reference to the observability and significance of the inputs used in the valuation technique as follows:

- Level 1 valuations: Fair value measured using only Level 1 inputs i.e. unadjusted quoted prices in active markets for identical assets or liabilities at the measurement date
- Level 2 valuations: Fair value measured using Level 2 inputs i.e. observable inputs which fail to meet Level 1, and not using
 significant unobservable inputs. Unobservable inputs are inputs for which market data are not available
- Level 3 valuations: Fair value measured using significant unobservable inputs

The Group has a team with assistance of external valuers, performing valuations for the financial instruments, including unlisted equity securities and put options which are categorised into Level 3 of the fair value hierarchy. The team reports directly to the chief financial officer. A valuation report with analysis of changes in fair value measurement is prepared by the team at each interim and annual reporting date, and is reviewed and approved by the Group's management.

			e measurements as 2023 categorised ir	
	Fair value at 30 June 2023 US\$′000	Level 1 US\$′000	Level 2 US\$′000	Level 3 US\$'000
Recurring fair value measurement				
Financial assets:	15 450			15 450
Unlisted debt and equity securities Convertible bond issued by an	15,458	_	_	15,458
equity-accounted investee	4,000	_	4,000	_
Call options	4,218	_	-	4,218
Wealth management products	36,874	-	-	36,874
Financial liabilities:				
Contingent liabilities in business combination	(15,513)	-	-	(15,513)
Put option written to Witney Global Limited	(5,755)	-	-	(5,755)
Convertible bonds issued by a subsidiary	(98,083)	-	-	(98,083)

(Expressed in United States dollars unless otherwise indicated)

15 FAIR VALUE MEASUREMENT OF FINANCIAL INSTRUMENTS (CONTINUED)

(a) Financial assets and liabilities measured at fair value (continued)

(i) Fair value hierarchy (continued)

		Fair value measurements as at		
		31 Decembe	er 2022 categorised	into
	Fair value at			
	31 December			
	2022	Level 1	Level 2	Level 3
-	US\$'000	US\$'000	US\$'000	US\$'000
Recurring fair value measurement				
Financial assets:				
Unlisted debt and equity securities	18,072	_	_	18,072
Convertible bond issued by an equity-accounted				
investee	4,000	_	4,000	_
Call options	5,083	_	_	5,083
Wealth management products	38,201	_	-	38,201
Financial liabilities:				
Contingent liabilities in business combination	(28,732)	-	-	(28,732)
Put option written to				
– Sino Rhythm Limited	(871)	_	_	(871)
 Witney Global Limited ("Witney Put Option") 	(3,262)	_	_	(3,262)
Convertible bonds issued by a subsidiary	(92,930)	-	-	(92,930)
Foreign currency forward contract	(39)	-	(39)	_

During the six months ended 30 June 2023, there were no transfers between Level 1 and Level 2.

The fair value of the other financial assets in Level 2 is determined by the recent transaction price.

The Group's policy is to recognise transfers between levels of fair value hierarchy as at the end of the Reporting Period in which they occur.

(Expressed in United States dollars unless otherwise indicated)

15 FAIR VALUE MEASUREMENT OF FINANCIAL INSTRUMENTS (CONTINUED)

(a) Financial assets and liabilities measured at fair value (continued)

(ii) Information about Level 3 fair value measurements

	Valuation techniques	Significant unobservable inputs	Range
Unlisted equity	Equity allocation model (Note a)	Expected volatility	57%
Securities		Expected probability of event	30%
Unlisted debt securities	Default risk method (Note b)	Event probability	0%
		Probability of default of underlying asset	100%
Call options held	Binomial tree model (Note c)	Expected volatility	43%
Contingent liabilities	Probability-weighted discounted cash flow method (Note d)	Expected probability of achievement of milestones and conditions	57%
		Discount rate	From 2.72% to
			3.53%
Witney Put Option	Black-Scholes option pricing model (Note e)	Expected probability of event	100%
	Adjusted net asset approach	Adjusted net asset value	Nil
Wealth management	Net asset value (Note f)	Expected rate of return	From 1.5% to 4.5%
products			
Convertible bonds	Binomial tree model (Note g)	Expected volatility	30%
		Discount rate	29%

Notes:

- As at 30 June 2023, it is estimated that with all other variables held constant, an increase/decrease in the expected probability of event by 10% would have increased/decreased the Group's loss by US\$499,000/US\$499,000 and an increase/decrease in the expected volatility by 5% would have decreased/increased the Group's loss by US\$23,000/US\$16,000.
- As at 30 June 2023, it is estimated that with all other variables held constant, an increase in the probability of event by 10% would have decreased the Group's loss by US\$109,000, and an decrease in the probability of default of underlying asset by 5% would have decrease the Group's loss by US\$327,000.
- c As at 30 June 2023, it is estimated that with all other variables held constant, an increase/decrease in the expected volatility by 5% would have decreased/increased the Group's loss by US\$517,000/US\$546,000.
- d As at 30 June 2023, it is estimated that with all other variables held constant, a decrease in the expected probability of achievement of milestones and conditions by 10% would have decreased the Group's loss by US\$1,551,000 and an increase in the discount rate by 1% would have decreased the Group's loss by US\$188,000.

(Expressed in United States dollars unless otherwise indicated)

15 FAIR VALUE MEASUREMENT OF FINANCIAL INSTRUMENTS (CONTINUED)

(a) Financial assets and liabilities measured at fair value (continued)

(ii) Information about Level 3 fair value measurements (continued)

Notes: (continued)

- e As at 30 June 2023, it is estimated that with all other variables held constant, a decrease in the expected probability of event by 10% would have decreased the Group's loss by US\$597,000.
- The wealth management products measured at FVPL is redeemable at a redemption price equals to the net asset values as stated in the monthly shareholder's statement issued by the administrators, which represents a rate of return of 1.6% or 1.5%-4.5%. The fair value measurement is positively correlated to the expected rate of return. As at 30 June 2023, it is estimated that with all other variables held constant, an increase/decrease of 100 basis points in the expected rate of return would have increase/decrease the Group's profit by US\$141,000/ US\$141,000.
- g As at 30 June 2023, it is estimated that with all other variables held constant, an increase/decrease in the expected volatility by 5% would have increase/decrease the Group's loss by US\$1,409,000/US\$1,653,000 and an increase/decrease in the discount rate by 5% would have decrease/increase the Group's loss by US\$4,392,000/US\$4,897,000.

(iii) Reconciliation of Level 3 fair value measurements

	i manciai assets i manciai nasintie.	
	US\$'000	US\$'000
A+1 lanuary 2022	61 256	(125 705)
At 1 January 2023	61,356	(125,795)
Additions	153,104	-
Changes in fair value recognised in profit or loss during the period	(1,765)	(4,321)
Settlements	(151,697)	6,540
Interests paid	-	4,225
Exchange adjustments	(4,448)	-
At 30 June 2023	56,550	(119,351)

(b) Fair values of financial assets and liabilities carried at other than fair value

Except for the 2021 Convertible Bonds issued by the Company as disclosed in note 13, the carrying amounts of the Group's financial instruments carried at cost or amortised cost were not materially different from their fair values as at 31 December 2022 and 30 June 2023.

16 COMMITMENTS

Capital commitments outstanding at 30 June 2023 not provided for in the interim financial report are set out as below:

At 30 June 2023 US\$'000	At 31 December 2022 US\$'000
193,510	184,904
461,217	401,100
654,727	586,004

Financial assets Financial liabilities

(Expressed in United States dollars unless otherwise indicated)

17 MATERIAL RELATED PARTY TRANSACTIONS

(a) Key management personnel remuneration

Salaries and other benefits
Discretionary bonuses
Retirement scheme contributions
Defined benefit plans costs
Equity-settled share-based payment expenses
Cash-settled share-based payment expenses

Six months ended 30 June				
2023	2022			
US\$'000	US\$'000			
3,449	2,782			
2,537	2,000			
461	80			
8	-			
7,515	14,170			
126	53			
14,096	19,085			

(b) Financing arrangement

	Six months ended 30 June	
	2023	2022
	US\$'000	US\$'000
Loans to equity-accounted investees	6,771	9,476
Loans repaid by equity-accounted investees	4,070	8,555
Interest income on loans to equity-accounted investees	53	703

In addition, the Group provided financial guarantee to certain equity-accounted investees for their bank facilities. As at 30 June 2023, bank loans amounting to US\$10,671,000 drawn down by these equity-accounted investees were guaranteed by the Group. Management of the Group consider the default risk of financial guarantee is insignificant and no expected credit loss was recognised in this regard for the six months ended 30 June 2023.

(c) Leasing arrangement

As a leasee

In May 2021, the Group entered into a 6-year lease in respect of certain leasehold properties located in Shanghai from Shanghai Jushuo Investment Management Co., Ltd. ("Jushuo Investment") for the use of manufacturing facilities, warehouses and office buildings. Jushuo Investment is a subsidiary of Shanghai Zhangjiang (Group) Corp. The amount of rent payable by the Group under the lease is US\$150,000 per month, which was determined after arm's length negotiations with reference to the prevailing market rents of comparable properties. At 30 June 2023, the outstanding balance of lease liability was US\$4,794,000 (31 December 2022: US\$6,931,000).

(Expressed in United States dollars unless otherwise indicated)

17 MATERIAL RELATED PARTY TRANSACTIONS (CONTINUED)

(c) Leasing arrangement (continued)

As a lessor

The Group leased out certain property and building in the PRC to several equity-accounted investees under operating lease. The lease term typically lasts 1 to 3 years. During the six months ended 30 June 2023, the Group recorded rental income from these equity-accounted investees of US\$1,494,000 (six months ended 30 June 2022: US\$1,330,000).

(d) Cash deposit with a related party

The Group placed cash deposit in Shanghai HuaRui Bank Co., Ltd. ("SHRB", an equity-accounted investee of the Group) with an interest rate from 0.35% to 3.45% per annum. As at 30 June 2023, the amount of bank deposits in SHRB was US\$12,544,000 (31 December 2022: US\$12,937,000).

During the six months ended 30 June 2023, the Group received interest income from the above bank deposits of US\$164,000 (six months ended 30 June 2022: US\$104,000).

(e) Sales, purchase and other related party transactions

During the six months ended 30 June 2023 and 2022, the Group entered into transactions with the following related parties:

Name of party	Relationship
Thai Otsuka Pharmaceutical Co., Ltd.	Subsidiary of Otsuka Holdings Co., Ltd. ("Otsuka Holdings"), the
	controlling party of a substantial shareholder of the Company
Optimum Medical Device Inc.	Equity-accounted investee of the Group
Zhejiang AccuPath Smart Manufacturing (Group) Co., Ltd.	Equity-accounted investee of the Group

Particulars of the Group's sales, purchase and other transactions with related parties are as follows:

	Six months ended 30 June	
	2023	2022
	US\$'000	US\$'000
Sales of goods and rendering of services to:		
Subsidiaries of Otsuka Holdings	1,548	-
Equity-accounted investees	10,183	3,269
Purchase of goods from equity-accounted investees	17,070	18,942

18 NON-ADJUSTING EVENTS AFTER THE REPORTING PERIOD

In July 2023, the MP Urocare Capital Increase (see note 11) was completed. Accordingly, the Group's interest in MP Urocare was diluted from 74% as at 30 June 2023 to 65% and the Group retained control over MP Urocare.