



**ENERGYA™**  
**DESIGNED**  
**WITH YOU**  
**IN MIND**

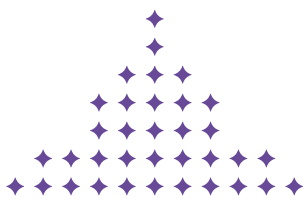


Connected through life

# DESIGNED WITH YOU IN MIND

The new Energya™ defibrillators represent MicroPort® CRM's latest development in the field of cardiac care. The devices offer high standard therapies and an effortless approach to patient management, saving valuable time for you and your patients.

- ◆ **Improve your workflow** — A seamless experience from implant to follow-up care.<sup>1,2</sup>
- ◆ **Keep your practice on schedule** — Save time from unscheduled visits and avoidable procedures.<sup>3-7</sup>
- ◆ **Enhance your patient's experience** — Make them forget about their pathology and live their life to the fullest.<sup>3,8,9</sup>





# IMPROVE YOUR WORKFLOW

Energya™ provides a seamless experience from implantation through to in-clinic follow-up visits. It creates a streamlined approach to patient care.





## A high quality Bluetooth® connection for a seamless experience.<sup>1</sup>

Thanks to this brand new feature — Bluetooth® connectivity — you can rest assured that your patient's implant and follow up visit will be straightforward. You won't have to worry about connection interruptions nor waste time trying to reconnect the device and programmer.

## A faster and easier implanting experience.

Enjoy the benefits of a smaller incision and pocket size thanks to the device's smarter design. This, in turn, will speed up implantation and simplify the process.

## Less time and energy wasted in device programming.

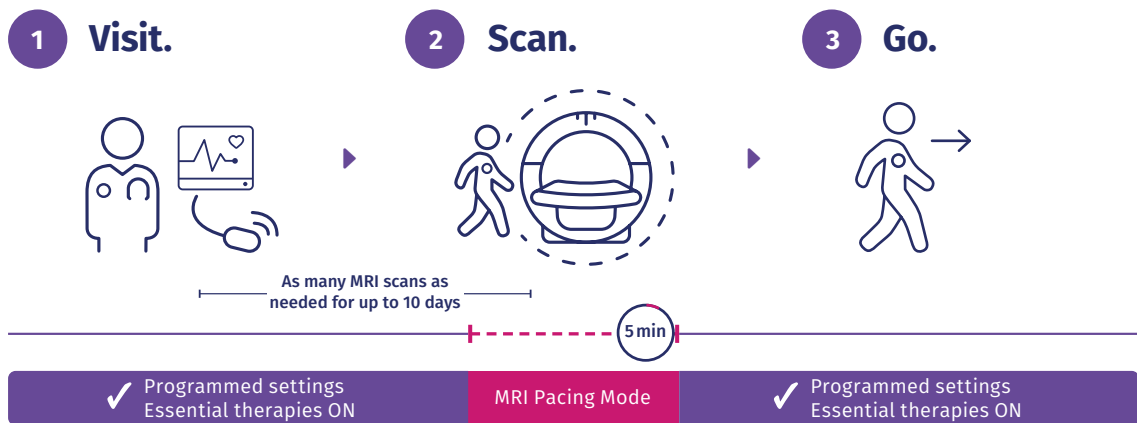
Spend less time on programming devices. Energya™ main features are optimised automatically.

No more time wasted trying to resolve programming conflicts: with Brady-Tachy Overlap setting the device is simpler and faster.

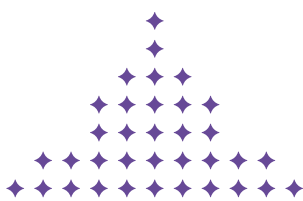
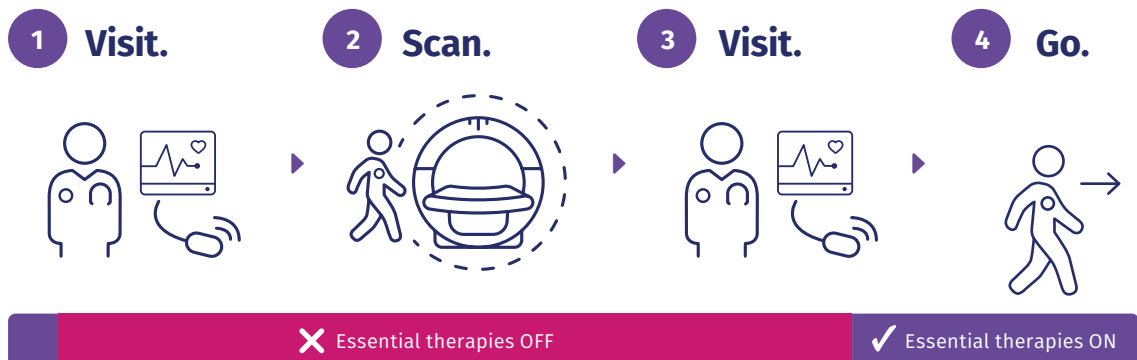
## Number of MRI-related visits halved.

AUTOMRI™ streamlines MRI scanning. It allows you to program the pre-scan visit up to 10 days before and automatically enables an MRI environment mode for the exam duration<sup>2</sup> only. So no more wasted time! Say goodbye to post-visit hassles - AUTOMRI™ takes care of it all.

### MRI workflow with AUTOMRI™<sup>2</sup>



### Conventional MRI workflow



## Follow-up made easy thanks to a new, intuitive user interface.

Make patient follow-ups a breeze with our new user interface. Quickly and easily access the information you need in just a few clicks.



The new user interface was designed in partnership with healthcare professionals to enhance your experience.

Enjoy pre-programmed settings that make it simple for you to program the device quickly.

Plus, meaningful insights remain easy to find — helping you evaluate a patient's condition quickly using the overview screen and diagnostic dashboard. And if further tests are needed, our test assistant is here to help.

It speeds up follow-up procedures by providing last saved measurements at a glance, and guides you through the tests you want to perform.



# KEEP YOUR PRACTICE ON SCHEDULE

Energya™ and its features prioritise patient safety, preventing potential complications before they begin.<sup>3,4,6,7</sup>





### Save time by preventing unscheduled visits.

You'll be free from unexpected surprises. Our discrimination algorithms might relieve you from administrative burden related to inappropriate shocks<sup>3,8</sup> non-scheduled and non-anticipable extra-visits, earlier and potentially extra-device replacement<sup>6,7</sup>.



SafeR™ prevents potential issues with right ventricular pacing<sup>4</sup> – so you avoid unnecessary and unscheduled visits.

Enjoy the peace of mind that comes with knowing you're in control.

### Avoid the disruption of unscheduled visits due to lead malfunctions.

Thanks to our new RV Lead Performance Evaluation (LPE) algorithm, receive early warnings of a potential lead malfunction. This helps you intervene before any adverse events occur, eliminating the need for emergency visits.

**LEAD PARAMETER EVALUATION** ON

ELECTRIC MEASURES	DAILY CHECK	MID TERM EVOLUTION	
• Impedance	✓	⚠	 
• Continuity	✓	✓	
• Threshold	✓	✓	
• Amplitude	⚠	✓	
<b>RHYTHMIC MEASURES</b>			
• Not Treated VF	✓		
• Short RR intervals	⚠		

### Reduces the need to replace devices.

No need to worry about complicated or potentially harmful replacements.<sup>6,7</sup> We provide the longest lasting ICDs on the market, so you can be assured our products will keep up with you and your patients.



# ENHANCE YOUR PATIENT'S EXPERIENCE

By preserving the quality of life and preventing the need for further hospital visits, we help your patients regain their freedom.<sup>2,3,6,7,9</sup>



## Better protection of patients through earlier lead failure detection and alert.

Our new Lead Performance Evaluation algorithm emphasizes potential lead failure using electrical cycles, non-physiological patterns and more, allowing for proactive intervention that safeguards the life of your patient.

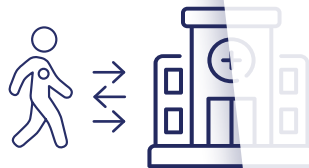
## Keep your patient out of the hospital as much as possible.

MicroPort® CRM defibrillators provide long-lasting projected performance – the longest of any ICD and CRT-D on the market<sup>11,12</sup> – So your patients can enjoy uninterrupted care and protection. Device replacements, surgeries, and infections are avoidable.<sup>6,7</sup>

### WITH TRADITIONAL DEVICES

- Inappropriate shocks.
- Replacement.
- Unnecessary RV pacing.
- MRI post scan visit.

- Increased risk of:
- Mortality.
  - Infection / Lead failure.
  - AF/HF hospitalization.



### WITH ENERGYA™

#### PARAD+™

Decreased risk of inappropriate shocks.

#### Extended Longevity

Decreased risk of infection/lead failures.

#### AUTOMRI™

No post-scan visit.

#### SAFER™

Decreased risk of HF/AF hospitalization.



## Makes the MRI exam journey smoother for patients.

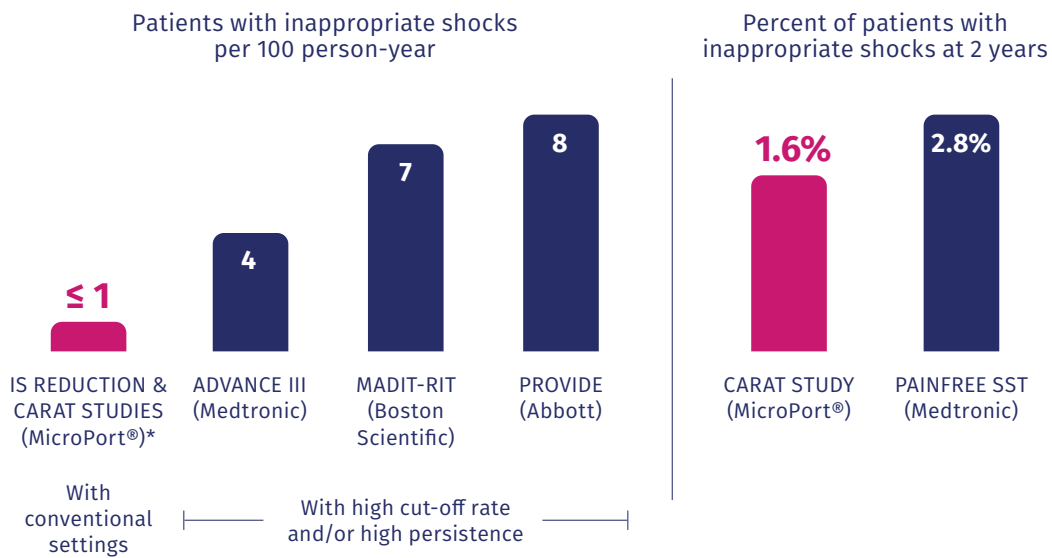
With AUTOMRI™, patients can rest easy knowing they'll get a streamlined and worry-free MRI experience<sup>2</sup>. They are better protected along the entire MRI pathway.

## Patients forget about their device and live their life.

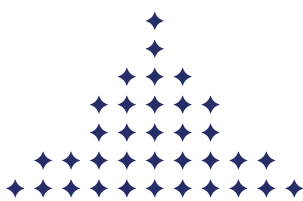
Energia™ boasts the lowest rate of inappropriate shocks<sup>3,8,13</sup> for dual chamber (PARAD+) and only 1.9% at 2 years for single chamber<sup>8</sup>. Our discrimination algorithms help your patient preserve their quality of life<sup>9</sup>.

By offering the right therapy at every stage of daily life, Brady-Tachy Overlap helps your patients make the most of each moment.

Our expertly designed device allows much better lead wrapping around the device. This means less skin pressure and reduced pocket erosion, which is more comfortable for your patient.



\*MicroPort® CRM data on file



## EXPERIENCE ENERGY™ SYSTEM ACROSS THE CONTINUUM OF CARE



### ENERGYA™ 4LV CRT-D System *with Vega™ - Invicta™ - Navigo™*

- Longest lasting defibrillators
- 1.5 & 3T full body MR-conditional
- Features AutoMRI™ for a seamless MRI pathway
- Safe and efficient implantation



### PROGRAMMER *with the new UI*

- Brand new user interface developed in collaboration with HCPs to improve your programming and follow-up experience
- Main information at glance and easiness of finding the information preserved



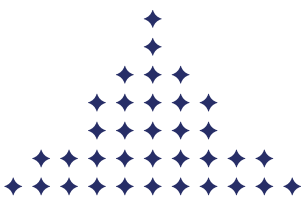
### REMOTE MONITORING *with Bluetooth® Low Energy capabilities*

- Smart way to run efficiency

## References

1. **Zhu J, Yang Q, Pan J et al.** Cardiac resynchronization therapy-defibrillator pocket infection caused by *Mycobacterium fortuitum*: a case report and review of the literature. *BMC Cardiovasc Disord* 19, 53 (2019).
2. **MicroPort® CRM MRI Solutions** Manuals available online at [microportmanuals.com](http://microportmanuals.com).
3. **Ruiz-Granell R, Dovellini EV, Dompnier A, Khalighi K, García-Campo E, Olivier A, Barcelo A, Ritter P.** Algorithm-based reduction of inappropriate defibrillator shock: Results of the Inappropriate Shock Reduction with PARAD+ Rhythm Discrimination-Implantable Cardioverter Defibrillator Study. *Heart Rhythm*. 2019 Sep;16(9):1429-1435.
4. **Kolb C, Sturmer M, Sick P, Reif S, Davy JM, Molon G, Schwab JO, Mantovani G, Dan D, Lennerz C, Borri-Brunetto A, Babuty D.** Reduced risk for inappropriate implantable cardioverter-defibrillator shocks with dual-chamber therapy compared with single-chamber therapy: results of the randomized OPTION study. *JACC Heart Fail*. 2014 Dec;2(6):611-9.
5. **Sweeney MO, Hellkamp AS, Ellenbogen KA, Greenspon AJ, Freedman RA, Lee KL, Lamas GA; MDe Selection Trial Investigators.** Adverse effect of ventricular pacing on heart failure and atrial fibrillation among patients with normal baseline QRS duration in a clinical trial of pacemaker therapy for sinus node dysfunction. *Circulation*. 2003 Jun 17;107(23):2932-7.
6. **Borleffs CJ, Thijssen J, de Bie MK, van Rees JB, van Welsenes GH, van Erven L, Bax JJ, Cannegieter SC, Schalij MJ.** Recurrent implantable cardioverter-defibrillator replacement is associated with an increasing risk of pocket-related complications. *Pacing Clin Electrophysiol*. 2010 Aug;33(8):1013-9.
7. **Lovelock JD, Cruz C, Hoskins MH, Jones P, El-Chami MF, Lloyd MS, Leon A, DeLurgio DB, Langberg JJ.** Generator replacement is associated with an increased rate of ICD lead alerts. *Heart Rhythm*. 2014 Oct;11(10):1785-9.
8. **Wolfgang Dichtl, João De Sousa, Jose Manuel Rubin Lopez, Enrique Garcia Campo, Klaus-Jürgen Gutleben, Yann Poezevara, Vincent Probst.** Low rates of inappropriate shocks in contemporary real-world implantable cardioverter defibrillator patients: the CARAT observational study, *EP Europace*, Volume 25, Issue 9, September 2023, euaad186.
9. **Hofer, D., Steffel, J., Hürlimann, D. et al.** Long-term incidence of inappropriate shocks in patients with implantable cardioverter defibrillators in clinical practice—an underestimated complication?. *J Interv Card Electrophysiol* 50, 219–226 (2017)
10. **Energya VR and DR:**  
conditions: 0% pacing (monitoring), no clinical shocks, rate response, sensor OFF, BLE remote communication and home monitoring ON.  
**Energya CRT-D:**  
conditions: 15% a, 100% BIV pacing, 60min<sup>-1</sup>, 2.5v, 0.35ms, 500Ω, no clinical shocks, rate response, sensor OFF, BLE remote communication and home monitoring ON.
11. **Competition comparison** made as of March 2023, refer to manufacturers manuals and Boston Scientific longevity calculator available online.
12. **Munawar DA, Mahajan R, Linz D, Wong GR, Khokhar KB, Thiyagarajah A, Kadhim K, Emami M, Mishima R, Elliott AD, Middeldorp ME, Roberts-Thompson KC, Young GD, Sanders P, Lau DH.** Predicted longevity of contemporary cardiac implantable electronic devices: A call for industry-wide "standardized" reporting. *Heart Rhythm*. 2018 Dec;15(12):1756-1763.
13. **Hintringer F, Deibl M, Berger T, Pachinger O, Roithinger FX.** Comparison of the specificity of implantable dual chamber defibrillator detection algorithms. *Pacing Clin Electrophysiol*. 2004 Jul;27(7):976-82.

Not available for sale or distribution in the USA.  
Refer to user manual supplied with the device for complete instructions for use.





Manufactured in Europe  
by MicroPort CRM