



Lifeforce[®]

MARINE AED

Marine Automated External Defibrillator

Saving your crew with the push of a button

What is Sudden Cardiac Arrest?

- Sudden Cardiac Arrest (SCA) causes the heart's normal rhythm to suddenly become chaotic and the victim collapses, becomes unresponsive, stops breathing and has no detectable pulse.
- SCA is the **world's biggest killer** and claims a life every 3 minutes.
- SCA can strike you at any time regardless of your age or fitness level.
- Your chance of survival drops by 10% with every passing minute. This gives you a 10-minute timeframe to administer a shock or chances of survival drop to >5%.
- There are **over 3 million people worldwide** who die as a result of SCA each year.
- The global survival rate for SCA is shockingly low at 1%. This has to change.
- The **only known treatment is with rapid defibrillation.**

Without an AED on-board, there is no chance of your crew member's life being saved after a cardiac arrest. This is a hot topic now for ship owners as more and more are now calling for them to be placed on-board their ships.



The Importance of AEDs on Vessels

The causes of SCA include coronary heart disease, undiagnosed heart condition/arrhythmia, falls, blows to chest, electrocution, exposure to toxic gas or asphyxiation from low oxygen environments and hypothermia – **all day to day risks on a commercial ship.**

If a member of your crew was to go into SCA due to any of these causes whilst out at sea, **how long would it take for emergency help to reach your vessel?** Would it be quick enough with your chance of survival dropping by 10% every minute?

Without an AED on board your vessel, a crew member's chance of survival would be **almost 0%.**

Why Choose Liferforce?

LIFEFORCE® is an AED **specifically designed for the marine environment** and was the world's first defibrillator to be Type Approved by Germanischer Lloyd (GL).

In an independent study, LIFEFORCE® was found to be quicker, easier and more successful to use than any of the other leading AEDs tested. In this study, members of the public without any training were able to deliver a lifesaving shock quicker than any other unit in the market.







The Benefits of Lifeforce®

- **QUICK AND EASY** – Proven to be the quickest and easiest defibrillator to use in an independent usability study
- **TYPE APPROVED** – The ONLY defibrillator with Marine Type Approval
- **DURABLE** – Rubberised sides and top for extra protection from mechanical damage
- **HIGH CAPACITY BATTERY** – Industry leading 7-year battery option
- **MILITARY STANDARD** – The ONLY defibrillator tested to military specifications – tested for shock and vibration, drop tested on all corners and faces, crush tested to 450kg. FDA APPROVED.
- **FUTURE PROOF** – free upgrades when resuscitation guidelines change
- **EXTENDED WARRANTY** – Industry leading 8-year warranty
- **TRAINING CONVERSION** – Kit available to turn a live unit into a trainer unit
- **SUPPORT SERVICE** – Free of charge reminder service



Spares and Accessories

Item	Image	Description
Replacement Defibrillation Pad Package 1900908		Provides back-up defibrillation pads if the primary set are used, lost or damaged at sea. Giving peace of mind that your Lifeforce® is always rescue-ready!
Standard Battery Pack 100906		This replacement battery pack ensures you have a spare battery, should the primary battery be used, lost or damaged at sea. Giving peace of mind that your Lifeforce® is always rescue-ready!
Lifeforce® AED Carrying Case Including Emergency Response Kit 100915		This carrying case holds the Lifeforce® and all the associated spares to quickly taken to any location onboard be it on deck or in a tank with either the gloved hand grip or the shoulder strap. Ensuring that the rescuer has everything they need and both hands spare to safely reach the victim!
Bulk Head Bracket 100919		This bulk head bracket simply fixes to the bulkhead in minutes and a secures the Lifeforce® in rough weather. Provides a dedicated location where all crew know and is written into emergency protocols. Ensuring everyone onboard knows where to locate the AED and save a life quickly when every second counts!

Customer Testimonials

What Our Customers Say:

“The Lifeforce® AED from Martek Marine met all our criteria, with proven shipboard pedigree and type approval from DNV GL. We have mandated the requirement for AEDs on every ship to protect against the World’s biggest killer - Sudden Cardiac Arrest.

We hope and expect this to raise the standards of the industry and give crews a choice to sail with caring employers”

V-Ships

“We chose to equip our ship’s with Martek’s Lifeforce® Automated External Defibrillator (AED) as it is simple to use, requires no specialist training or knowledge from the crew and provides a shock only as and when required. ”

Carlo Incoronato - Fratelli D’ Amico Armatori

“The specialist marine Type Approval gives us confidence that Lifeforce® will always be working to protect the lives of our employees, just as we will be to protect and improve the lives of animals.”

Richard McLanaghan - International Fund for Animal Welfare

“We believe it is essential that other operators follow suit by providing defibrillators on-board their ships. It can make the difference between life and death.”

Allan Graveson - Senior National Secretary, Nautilus UK



Customer Testimonials

What Our Customers Say:

“We recognised the value of investing in the Lifeforce® specialist marine defibrillator for our entire fleet of owned vessels.

Lifeforce’s® Type Approval reassured us that, in the unfortunate event of an emergency lifesaving situation, it is guaranteed to perform.”

Thorbjørn Dalsøren - Wilson Ship Management AS

“Having completed a broad market investigation, it became clear that Martek Marine were able to provide a marine-approved unit at reasonable cost, specifically tailored for the fairly unforgiving demands of the marine industry.

This, combined with the evident simplicity of use, guided the decision which has not been regretted.”

Tony Loizou - Managing Director, Maestro Shipmanagement (Cyprus) Ltd

“Tamar Ship Management has chosen to place on board of all vessels the Martek AED for two reasons: We care about our Crew – the most important asset in a Shipping Company; The Martek AED is one of the most fail-proof and the most user-friendly piece of equipment ever seen.”

Captain Bogdan, Tamar Ship Management HK



Frequently Asked Questions

What Lifeforce® training do you provide?

There are 3 options available that can be used as standalone options or can be combined to ensure you have peace of mind:

Comprehensive training course - This covers all aspects of AED rescue and teaches basic CPR, along with all the information a first responder will need to know for an emergency cardiac situation.

Standalone training unit - This is a complete ready to use training unit designed specifically for training simulations. The pack includes the training AED, training battery, training pads, remote control and battery charger. This can't be used for treatment at any time.

Training upgrade package - This package allows the Lifeforce® AED to be temporarily converted to a training unit, allowing you to simulate a rescue scenario and provide refresher training at your convenience.

What if my crew fear using the AED?

It is not possible to shock someone who isn't in cardiac arrest as the AEDs are **fool proof and make all the decisions for the user**.

Once a first aider has had the chance to see a demonstration of an AED and realises that the unit does all the work and they can't make a mistake, almost all crew are more than comfortable to use the AED.



Frequently Asked Questions

How easy to use are defibrillators?

Modern defibrillators are designed to be easy to use, even for untrained, non-medical personnel. The Lifeforce® AED range has been specifically designed to be unintimidating for untrained users with just 1 or 2 buttons to push (depending on the model), clear voice prompts, and visual indicator to make it as easy to use as possible.

Lifeforce® AEDs have been proven several times by independent studies as the **easiest range to use for both trained and untrained rescuers**.

Another independent study by the University of Illinois the Lifeforce® AED was proven to be the easiest to use defibrillator for minimally trained bystanders.

What if I don't have crew qualified to use an AED?

At this current time there is no legal requirement for training in the use of AEDs. The Lifeforce® AED is designed to be unintimidating and, as highlighted previously, has proven to be the world's simplest AED to use.

We do however recommend training is undertaken as this can **help crew feel more confident about the use of AEDs**.



Lifeforce®

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