



ENVIRONMENTAL

solutions



TIME TO BE RESPONSIBLE

Shipping is the most environmentally effective form of transport, but further improvement would benefit both the shipping industry and the environment. There are signs of progress, but the industry still has a way to go to be environmentally responsible.

Environmental challenges are many. Air pollution from shipping negatively contributes to acid rain and green house gases. Handling of oily water needs practical solutions. The impact of ballast water have been seen across the globe. Marine life in costal waters has been destroyed by transferred invertebrates, jellyfish, and other species.

The maritime industry needs to take responsibility for their actions and the impact of air pollution, waste or water pollution to protect the marine environment. It is time to be responsible. This requires compliant and efficient environmental solutions.



Stay compliant!

At present, legislation is in place for emissions to air, waste management and water treatment, primarily through the MARPOL annexes. This is the most important global treaty for the prevention of pollution from the operation of ships – both accidental and from routine operations – and it applies to ships of all types.

Wilhelmsen Technical Solutions is an innovative environmental solutions provider. We have the solutions, knowledge, people, local presence and global reach to help you be environmentally responsible and stay compliant.

Our range of environmental solutions includes systems for reduction of Emissions to Air (ETA), both under operation and while docking at the harbour. Our innovative system for energy management saves fuel and thereby reduces emissions. We can help you solve your oily water problems and the challenge of ballast water treatment.

Consumables, spares and support are available through our extensive maritime network to ensure rapid response times and make sure your vessel, rig or platform stays compliant during operation.

Our environmental solutions cover:

- Unitor Ballast Water Treatment System
- NOxCare Marine
- Cold ironing
- Unitor Oily Water Pod
- Callenberg Energy Management Technology

Solution benefits

Our environmental solutions have compact design, are easy to install and have documented results. The systems can be installed as individual systems functioning optimally or as multi-system solutions where systems complement each other, improving performance and further reducing environmental impact.

Reduced environmental impact

By using efficient environmental solutions, you stay compliant and reduce your environmental impact:

- Reduction of ETA, both during operation and docking
- Reduction and management of waste
- Treatment of water
- Compliance with IMO/MARPOL rules

Maximised returns

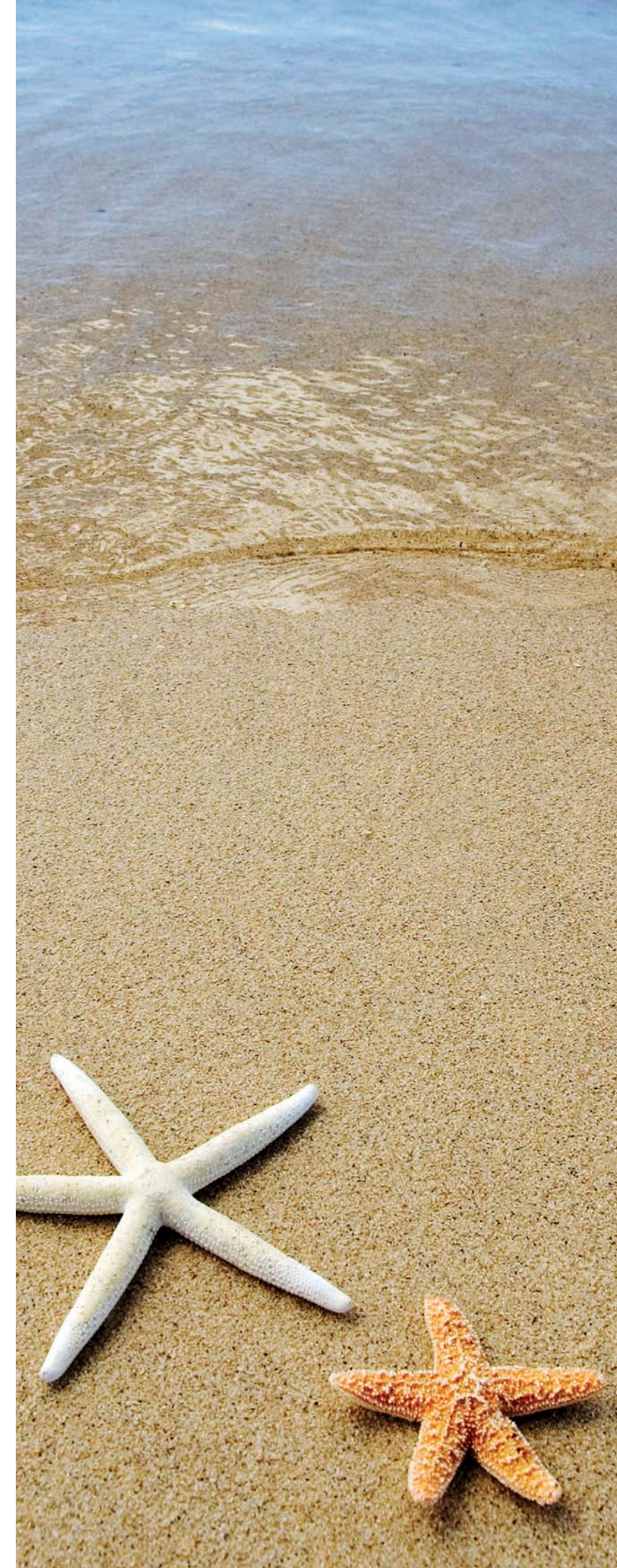
In addition to the reduced environmental impact, there are financial advantages from our environmental solutions:

- Reduced fuel consumption
- Reduced fuel cost
- Minimised risk of fines
- Reduced total cost of ownership



Environmental solutions

We offer solutions for the management of water, waste, emissions to air and fuel efficiency that ensure your regulatory compliance.



Wilhelmsen Technical Solutions is part of Wilhelmsen Maritime Services, a Wilh. Wilhelmsen group company. We are a global provider of cost efficient, fully engineered solutions, equipment and services for newbuilds and retrofits in the maritime and offshore industries.

With a global network and local presence, we take responsibility for our solutions for the lifetime of customers' vessels, rigs and platforms.

www.wilhelmsen.com/technicalolutions



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We offer solutions for the management of water, waste, emissions to air and fuel efficiency that ensure your regulatory compliance.



Safety solutions

We deliver compliant fire prevention, detection and suppression solutions, and portable safety equipment that protect your assets and your people.



HVAC-R solutions

We provide HVAC-R solutions that deliver optimal air and temperature quality, with the advantage of low noise levels for increased comfort.



Power solutions

We provide solutions for optimising onboard power, power distribution and control systems that reduce operational costs and fuel consumption.