



OptiSave™ Energy Saving System

Maximize Fleet Efficiency.
Minimize Energy Consumption

Marine

DESMI
Make life flow

Innovation. Efficiency. Sustainability.

Intelligent Marine Energy Optimization for Sustainable Shipping

With OptiSave™ you can deliver measurable fuel savings, reduce emissions, and optimize vessel performance with a next-generation intelligent marine efficiency platform.



1000+ installations Globally



Reduced fuel consumption



Short return on investment



Proven Intelligent failsafe engineering



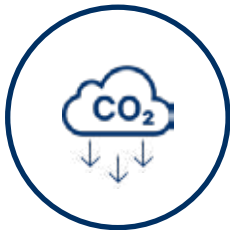
Environmental compliance (IMO CII, EEXI, SEEMP)



For more details
and examples, visit
desmi.com



Yearly savings on +1000 installed OptiSave™ systems around the world:



+250,000
tons of CO₂

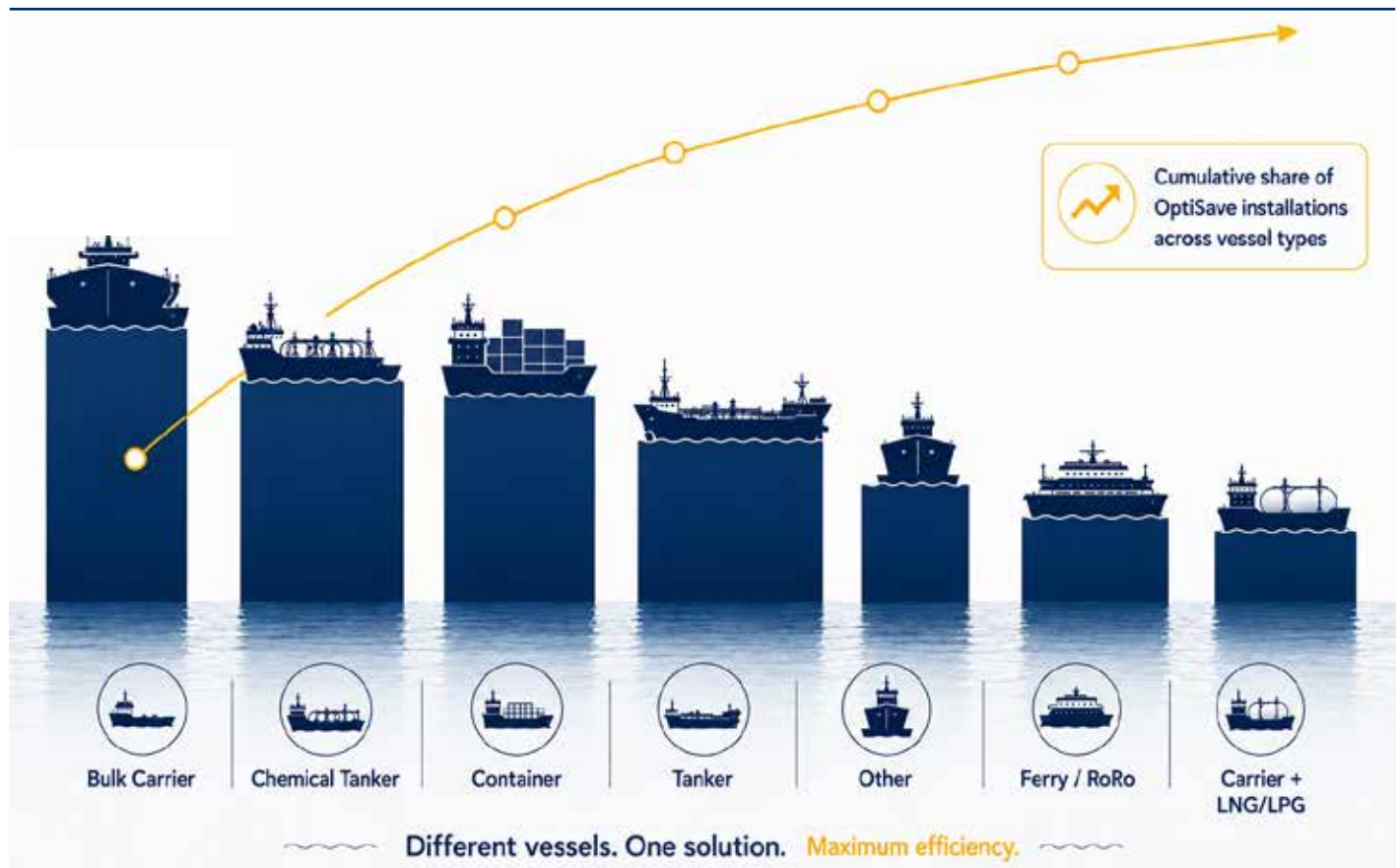


+85,000
tons of fuel



+450,000
MWh

Vessel Type Overview



Challenge, Solution & Applications

The OptiSave™ Solution



The Solution

An intelligent marine energy optimization solution designed to continuously improve vessel performance using advanced engineering principles and real-time operational optimization.

Industry Challenges

The maritime industry is under increasing pressure to reduce fuel consumption, emissions and operating costs while maintaining reliable and competitive vessel performance. The challenges rises from:



Increasing operational efficiency requirements



Rising maintenance expenses



Competitive freight markets



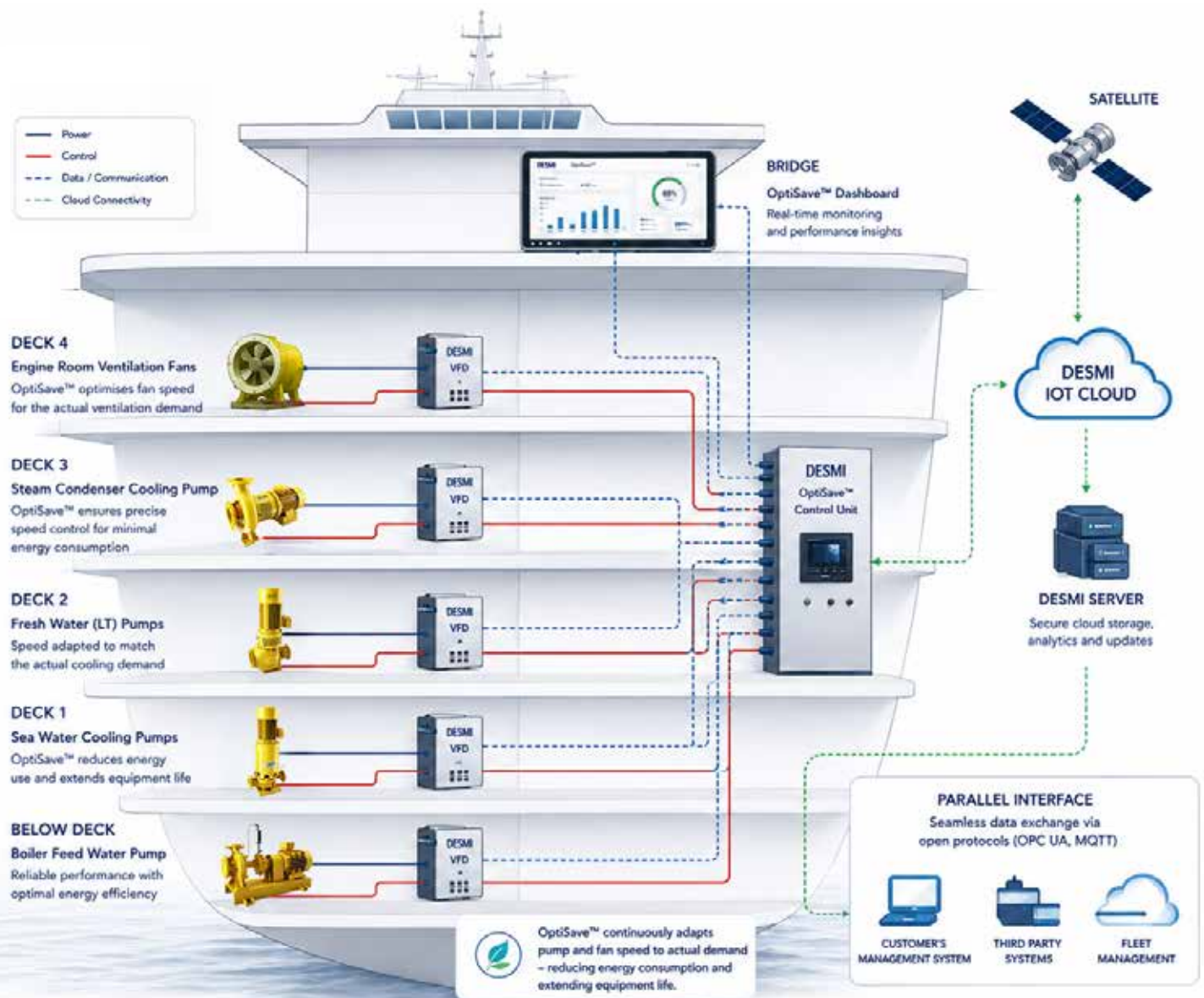
IMO emissions regulations



Rising fuel costs



Seamless Integration on Board



- ✓ Optimises energy use
- ✓ Easy to retrofit
- ✓ No impact on ship operations
- ✓ Compatible with existing systems
- ✓ Proven on all major ship types

Applications

OptiSave™ is fully integrated into the ship's systems - optimising pump and fan performance across all critical applications. Easy to retrofit, with no impact on operations.

Fresh Water (LT) Pumps

Engine Room Ventilation Fans

Sea Water Cooling Pumps

Boiler feed water pump

Steam Condenser Cooling pump

Ready to Transform Your Fleet?

Every voyage is an opportunity to save energy

Key Benefits

OptiSave™ helps reduce unnecessary energy consumption by optimizing the operation of selected onboard systems - turning improved efficiency into measurable operational and financial benefits.

With a typical ROI of 8-18 months, OptiSave™ can deliver both short-term savings and long-term value - while supporting a more efficient and attractive vessel operation.



Lower Fuel Consumption & Bunker Costs

By reducing unnecessary power consumption, OptiSave™ helps lower fuel use and deliver measurable savings throughout vessel operation.



Reduced Emissions

Improved energy efficiency means lower CO₂ emissions, supporting both sustainability targets and increasingly demanding environmental requirements.



Real-Time Insight & Documented Savings

Continuous monitoring and data logging provide clear visibility into system performance and achieved energy savings.

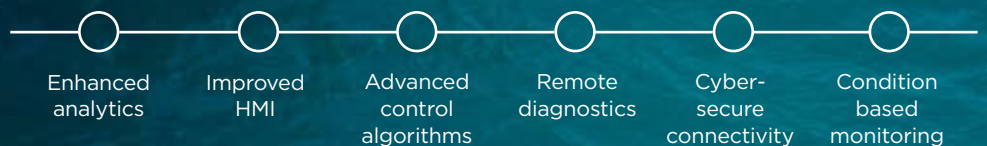


Why DESMI

- Extensive Marine rotating machinery expertise
- Global service network
- Inhouse project execution
- Non-binding evaluation for decision making
- Type approval from major classification society
- Retrofit & newbuild capability
- Commissioning and training by experienced aftersales service organization
- Easy installation either at port/DD or during voyage



Latest Innovation & New Features



We exist to keep your business flowing

DESMI works closely with vessel owners, operators, and shipyards to deliver critical flow processes for diverse marine applications. Our pumps and supporting systems for marine applications, including the OptiSave™ Energy Saving System and engine room pump solutions, are trusted worldwide for dependability and the lowest total cost of ownership.

No matter which flow challenges you are facing, we can help you overcome them with class-leading equipment, solutions, and services designed specifically for your applications and environment. At DESMI, our focus has never been on discovering what we can do – it's about pushing the boundaries of what we can do for you.

Founded in Denmark in 1834, we have provided the expertise, solutions, and aftermarket support our customers need for nearly two centuries. We help you operate more efficiently and reliably, enabling your ambitions for performance, compliance, and growth whilst helping you reduce your climate impact.

Together, we can make a difference, whatever the future holds. Because we, like you, are here to make life flow. For more information, visit desmi.com

DESMI A/S
Tagholm 1
DK-9400 Nørresundby
Tel.: +45 96 32 81 11