



HVAC-R MARINE

solutions

Building on more than 70 years of experience in the field, Wilhelmsen Technical Solutions is a leading provider of complex HVAC-R systems for the maritime market. We work proactively on the entire value chain from design and layout to installation, testing and full after sales service.

Our HVAC-R solutions meet your requirements of system reliability and deliver optimal air and temperature quality, with the advantage of low noise levels for increased comfort. Our solutions provide temperature management for critical systems onboard.

The fit-for-purpose solutions are engineered to reduce power consumption and minimise environmental impact.

Our solutions are designed to comply with operational safety standards. Through our world-wide support and services organisation, we help your vessel stay compliant for its operating life.

New buildings

Cruise and ferries

A complete range of HVAC systems from private yachts to super size cruise ships:

- Probably the world's largest HVAC plant installed base
- We are specialists in both HVAC-R, Electrical and Automation
- Quality products and services
- Low final cost for the builder and end customer
- Expert staff in all disciplines
- Selected turnkey capability
- Ability to carry through - whenever, wherever things get rough
- Environmental & quality control throughout the entire project.



(New buildings cont.)

RoPax and cargo ships

A complete range of systems from air conditioning to cargo ventilation systems for all types of RoPax, car carriers and other cargo ships:

- Complete HVAC supply of accommodation air conditioning system
- RoRo ventilation with tough requirements on noise levels
- Deck and tank ventilation for oil and chemical carriers
- Engine room ventilation (True Demand)
- Dirivent air distribution system

Navy and special purpose vessels

A complete range of air conditioning and ventilation systems for navy and special purpose vessels:

- Equipment design for extreme conditions
- Ventilation equipment with shockproof design and low magnetic signature
- Supply of NBC filter systems
- Compact equipment design and a high pressure air conditioning system
- Redundant equipment functionality

Engineering services

In-house Competencies:

- HVAC plant design & supply
- HVAC automation control
- HVAC electric power
- System & product R&D
- Climate management
- Project management
- Plant & system commissioning

Customer Support Services:

- HVAC plant conceptual design
- Advanced Thermodynamics computations
- Life cycle analysis

Energy conservation studies

Aftermarket

Automation

Cost effective automatic control solutions for any size Marine HVAC plant - newbuilding or conversion:

- Automation with densely distributed controllers for truly redundant control
- Stand-alone supervision or interfaced monitoring
- Software for truly optimized climate management
- Solutions for energy conservations
- Electric power systems & components for distribution and control
- Energy conservation surveys

Conversions

We provide all types of HVAC conversion and upgrade projects. We guarantee smooth, effective project execution whether your vessel is on route, alongside or at a yard. Our services include:

- Turnkey capability
- Complete system design
- Supply of new equipment
- Logistic control
- Installation
- Commissioning
- Environmental & quality control
- Preventive technical inspections – PTI

Parts and training

We belong to the worlds largest maritime services network and offers HVAC engineering, services, parts and equipment from A to Z:

- Smarter parts replacement solutions
- Crew training programs



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.

For contact information, please visit our website

www.wilhelmsen.com/technicalsolutions