

A large red and white offshore supply ship is shown from a high-angle perspective, sailing on a dark blue sea under a bright blue sky with scattered white clouds. The ship's deck is filled with various equipment, including large red pipes and white railings. A white lighthouse-like structure is visible on the ship's horizon.

# Technology trends in the German Marine Equipment Industry

- Opportunities for the Greek shipping and  
shipbuilding industry

**Hauke Schlegel**  
Managing Director  
VDMA Marine Equipment and Systems

# Association Profile

## VDMA - Marine Equipment and Systems

- » VDMA (Mechanical Engineering Industry Association): Largest industrial association in Europe
- » German Marine Equipment and Systems: Special division of VDMA
- » 250 Member companies from all industrial branches like
  - Mechanical engineering
  - Electrical engineering / Electronics
  - Interior equipment, etc.





# German Marine and Offshore Equipment Industries



## Facts and Figures

- » 400 manufacturing companies
- » 63,000 employees
- » Turnover: Euro 11 billion
- » Export Volume: 75 %
- » **World's largest exporter of marine equipment**



# Technology / Market Trends

## Trends in maritime demand:

- » Larger and more complex vessels
- » More reliable technologies
- » Green and safe technologies
- » Maritime Energy Transition
- » Digitalization
- » Improved Efficiency / Cost reduction

## Consequences for marine equipment industries:

- » Equipment of higher value, quality and reliability is needed
- » Growing demand for system solutions and packages
- » Life Cycle Cost and Initial Cost counts
- » New and deeper cooperation between companies needed
- » **Cooperation opportunities for Greek and German Companies!**





Main challenge:  
**Missing digital standards**

Solution:  
**„MTP in shipbuilding“**



- MTP = Module Type Package
- Standardized integration of subsystems
- MTP already established in the process industry
- Adapted and modified for ship technology 6/2021
- Increasing efficiency along the marine value chain

German Marine Equipment Industry

**your address for more information...**



**[www.german-marine-equipment.de](http://www.german-marine-equipment.de)**

# German Marine Equipment

- looking forward to fruitful cooperation with the Greek maritime industry!

**Thank you very much for your attention!**

