



TOTALSHIP**TRAINING**

TAKING RESPONSIBILITY IN A CHANGING WORLD





CHALLENGE

Today navies around the world are challenged to increase their presence at sea and face the current threats like terrorism, piracy, environmental pollution or illegal human trafficking. Therefore the availability of platforms for naval operations is essential, but is reduced by the time that crews need for on-board training.

The **challenge** is to establish a holistic crew training under real-world conditions in a synthetic reality, but ashore and without use of the platform. This requires an innovative approach for simulation based training. Hence, the new generation of Rheinmetall's naval simulation offers an interdependent crew training in a fully integrated simulator network. The aim is not only to train teams, but to form crews.





CONCEPT

Rheinmetall understood that modern navies need their capacities to focus on naval operations and have limited resources for ongoing transformation processes in a changing security environment. So we developed the pioneering Total Ship Training Concept.

Total Ship Training comprises a shore-based full mission training, which offers all crewmembers to interact with each other in one shared exercise. The required complex simulation environment is designed to be flexible, scalable and interconnectable, so it remains adjustable to the changing training needs of modern navies and coast guards.

ANALYZE CURRENT TRAINING CONCEPT



EVALUATE TRAINING NEEDS



DEFINE HOLISTIC CREW TRAINING CONCEPT



ESTABLISH INTEGRATED TRAINING FACILITY



IMPLEMENT NEW CONCEPT & RUN TRAINING CENTER



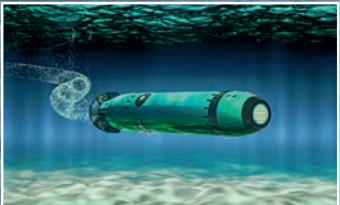
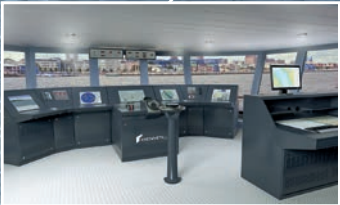
MAINTAINING & UPDATING



CONFIGURATION

Flexible | Scalable | Interconnectable

- CIC and Tactical Training
- Ship Handling Simulation
- Ship Engine Simulation
- Deck Operations Simulation
- Damage Control Training
- Flight Operations Simulation
- Specialized simulation applications for Mine Warfare, Anti Submarine Warfare, Cranes&Hydraulic systems, GMDSS and many more



SERVICE

As experts for simulation, we are also providing a dedicated service, starting with the initial planning of simulator implementation projects up to a full life-cycle support of the whole training facility.

Our benchmark is the customer's satisfaction. That is why our service includes the continuous availability of reliable experts, taking care for every issue and request that may occur. This guarantees a running training system and comprehensive update & upgrade support.

We aim for more than just cooperation and offer a real partnership. Based on a seamless communication we will accompany Navies and Coast Guards not just during the implementation process and the follow-on maintenance, but at every stage of their training. Rheinmetall calls this one-stop solution the **Total Ship Training Partnership**.

UPDATE & UPGRADE SUPPORT

PROJECT MANAGEMENT

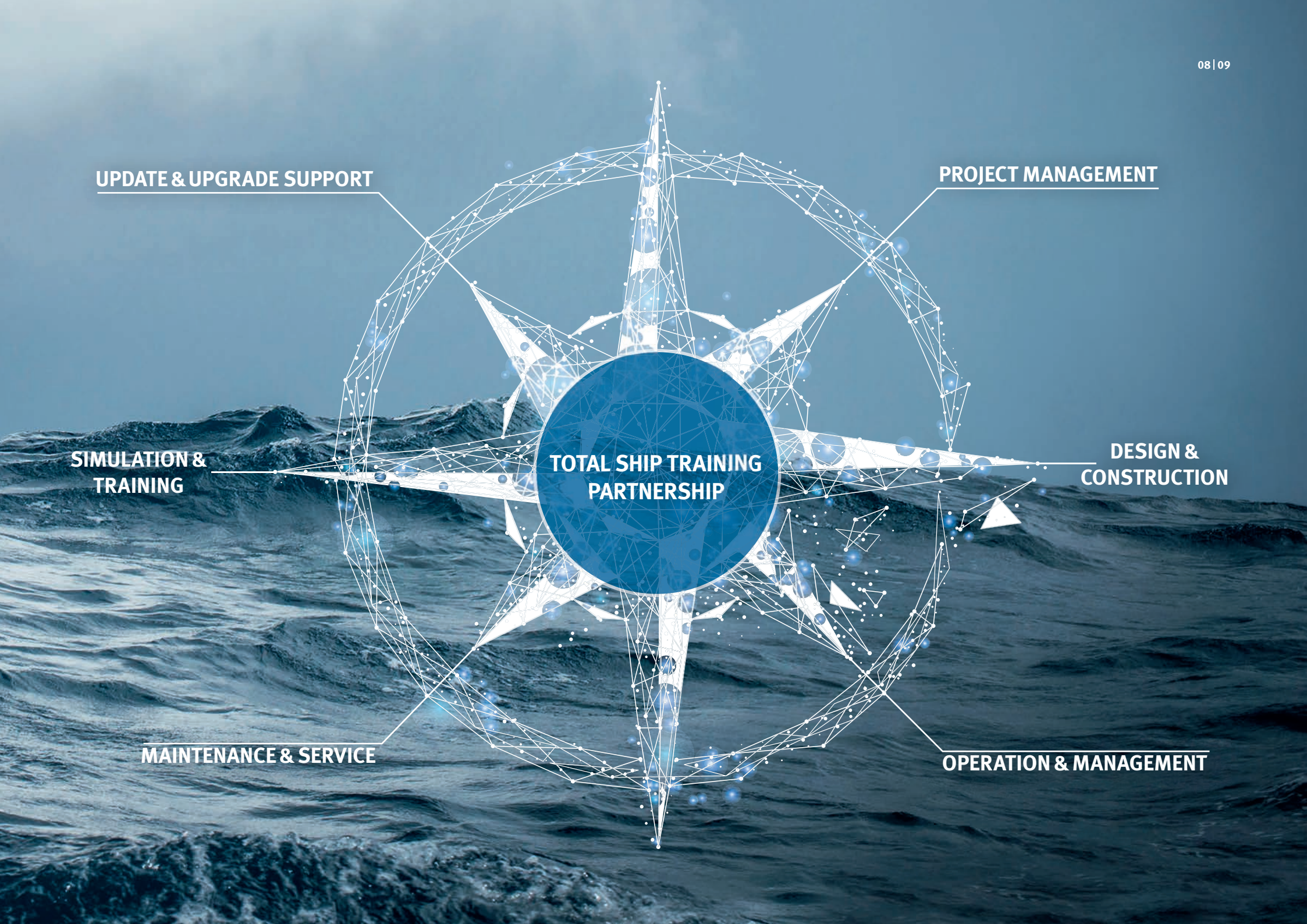
**SIMULATION &
TRAINING**

**TOTAL SHIP TRAINING
PARTNERSHIP**

**DESIGN &
CONSTRUCTION**

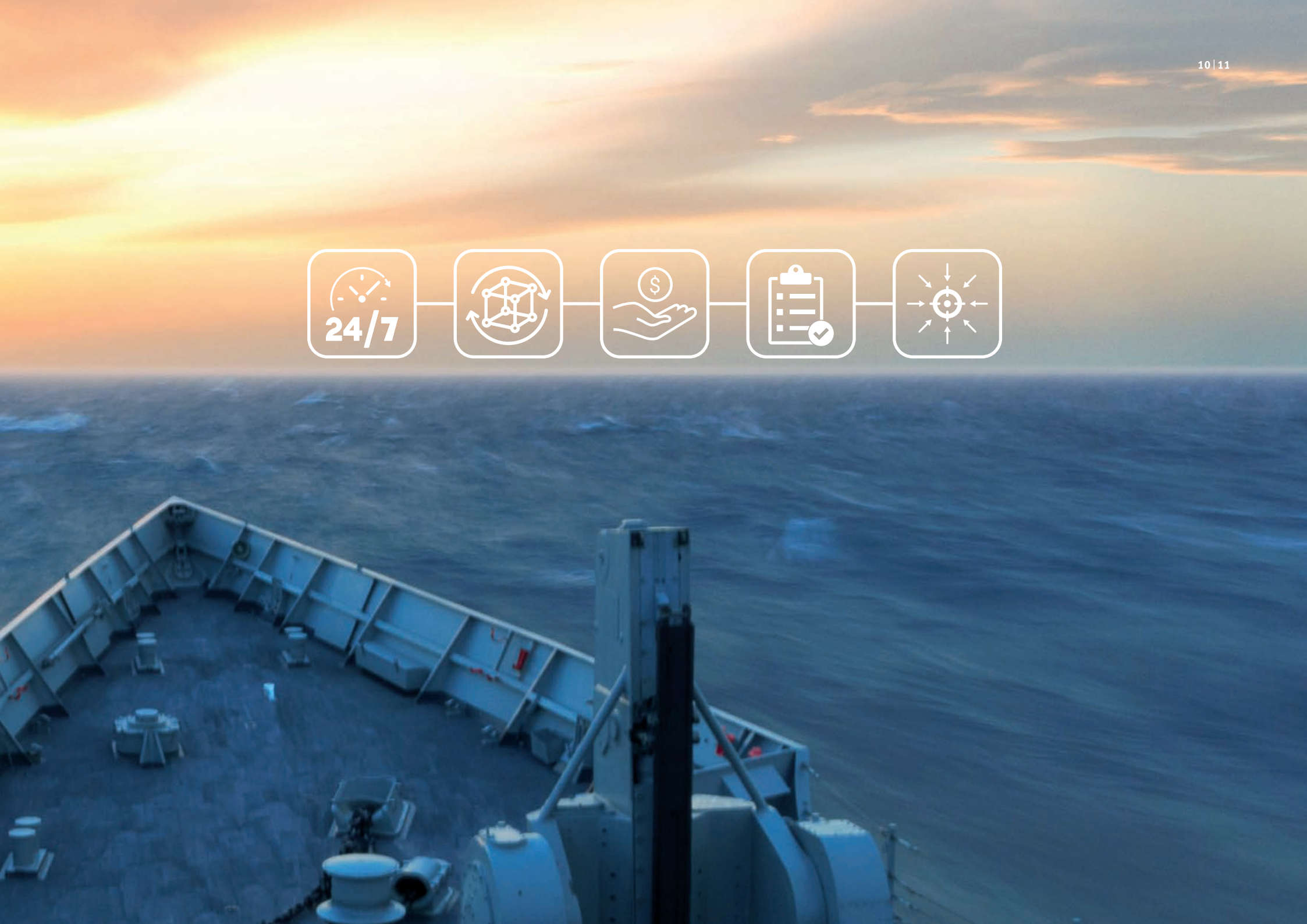
MAINTENANCE & SERVICE

OPERATION & MANAGEMENT



BENEFITS

- remain available – use platforms for operations, not for training
- reduce absence – fight afloat but train ashore
- save budget – reduce training costs significantly
- be prepared – meet future challenges with flexible simulation systems
- stay focused – take care for operations, we can manage your training



Rheinmetall Electronics GmbH

Brüggeweg 54

28309 Bremen, Germany

www.rheinmetall.com