

## thyssenkrupp Marine Systems

Within the thyssenkrupp concern, thyssenkrupp Marine Systems belongs to the Business Area Industrial Solutions and is one of the worldwide leaders in system engineering for the design and construction of submarines and naval surface vessels as well as the field of maritime safety technologies.

We stand for mature technology in naval shipbuilding, with close to 5,500 employees in the Operating Units

- Submarines
- Surface Vessels
- Naval Electronic Systems
- Services

Our experience and competence are also in the forefront of activities such as repair and modernisation of submarines and surface vessels or development and integration of components.

Marine Systems is world market leader in the field of non-nuclear submarines. We achieved a quantum leap in technology with the development of an air-independent propulsion system on the basis of fuel cells that perform in silence without producing exhaust gases. Thanks to this technology, the submarines of HDW Classes 212A and 214 are able to operate fully submerged for significantly longer periods than comparable boats with conventional diesel-electric propulsion systems.

Another core competence area is the development and design of ultra-modern frigates, corvettes and naval support vessels. The internationally recognised MEKO® technology stands for modular design and construction of ships, reduced signatures and unsurpassed staying power and survivability.

Our Operating Unit Naval Electronic Systems (ATLAS Elektronik GmbH) – which belongs to Marine Systems since April 2017 – offers solutions in and on the water for both civil and military applications. ATLAS occupies a leading position in all sectors of top maritime technology, from command and control systems including radio and communications equipment for submarines and surface vessels to mine-hunting systems, heavyweight torpedoes, coastal protection installations and the provision of services.