Side Boarding Ladders

AMS Advanced Mechanical Solutions

The AMS side boarding ladder is custom-designed to provide safe, comfortable and functional access to the yacht, adapting to the specific requirements of each vessel.
The structure is engineered to achieve the optimal balance between low weight, rigidity and strength, while minimising overall dimensions and ensuring ease of use and long-term reliability.



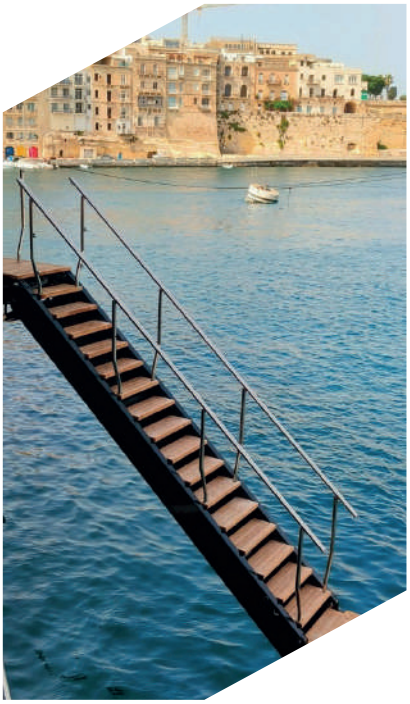
KEY ADVANTAGES

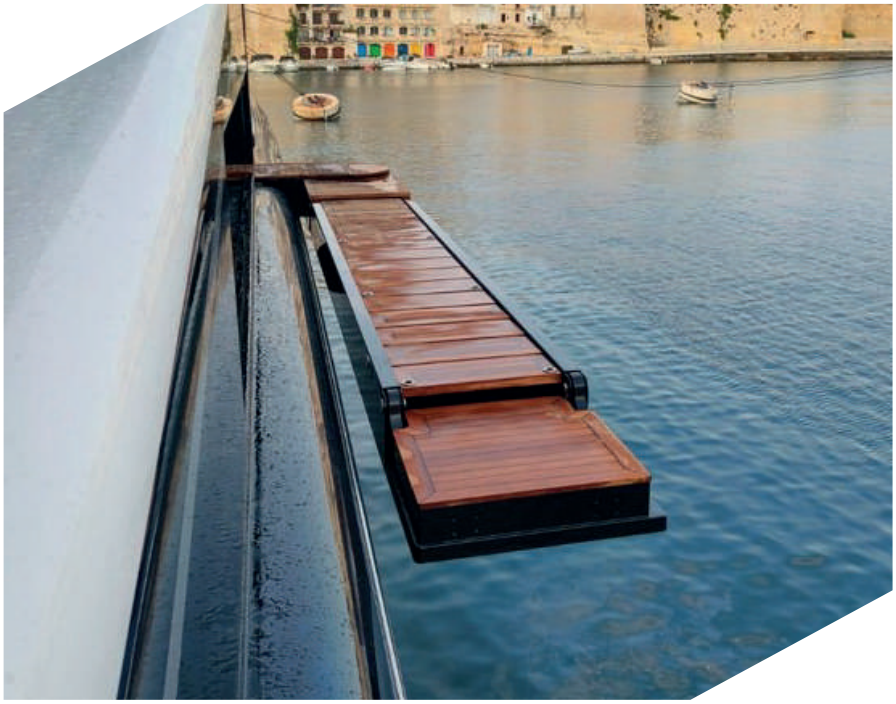
- Fully customised design
- High-stiffness structure
- Excellent corrosion resistance in marine environments thanks to the use of AISI 316L stainless steel and carbon fibre
- Technical solutions developed according to the specific requirements of each project
- Integrated polished AISI 316L stainless steel stanchion system
- Passive hydraulic floating system to protect the ladder from vessel movements relative to the dock

Each solution is developed according to the yacht's geometry, installation position and operating conditions, with particular attention to seamless aesthetic and functional integration with the vessel.

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Structural material	AISI 316L stainless steel and carbon fibre in epoxy resin
Steps	– Steps equipped with a synchronised mechanism designed to ensure perfect parallel alignment at all times – All steps are finished with teak and feature an integrated lighting system
Maximum load/SWL	200 kg / 250 kg (higher SWL under request)
General dimensions	– Overall lenght: 7 m (extended lenghts available under request) – Steps width: between 600 and 800 mm (other widths available under request)
Key movements	– Rotational range: 170°, from bow to stern – Passive hydraulic compensation system designed to accommodate relative movements and minimise loads on the structure, reducing the risk of damage during operation
Design criteria	The design is developed according to operational loads, the vessel's specific requirements and applicable Flag State requirements
Available features	– Automatic stanchion system available on request – Steps lightened by spot leds or LED stripes
Finishing	– All surfaces are painted in any RAL/custom color over a dedicated stainless-steel primer – All exposed mechanical components are mirror-polished

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