TECHNOLOGY
Motion compensated gangways are the preferred way for safe and efficient crew transfer in offshore operations. For instance on Walk to Work vessels used for the construction and maintenance of offshore wind farms and oil & gas platforms. Marine access through a gangway is more efficient, more reliable and safer than helicopter flights.

Key features of the Barge Master Gangway
• Active motion compensated gangway configured to your needs thanks to a modular design
• High performance up to a significant wave height of 4.5 m
• Able to land on any offshore facility without modification of the landing area
• Barge Master’s high quality values and “fail operational” philosophy as standard
• Redundancy of critical components by default, such as motion reference units and controls
• Easy to operate by a single operator. Barge Master provides certified operators, or operator training
• Compact design with small footprint and fast mobilization
• Light weight design results in low power consumption

GENERAL
Certification DNVGL-ST-0358
DNV 2.22
Gangway length 19 m +/- 5 m
with additional module 23 m +/- 5 m
Allowable luffing angles
personnel transfer -23° to +23°
cargo transfer -23° to +35°
Wind speed 20 m/s

BM-GANGWAY 3.0
Wave height $H_s$ 0 - 3.0 m
Footprint Ø 1.6 m pedestal
Weight 22 mT

BM-GANGWAY 4.5
Wave height $H_s$ 0 - 4.5 m
Footprint 5.3 m x 2.8 m
Weight 80 mT

CARGO TRANSFER
3D compensated lifting winch 1,000 kg
Stepless pallet trolley transfer 300 kg
Cargo basket 150 kg
Hose provisions for grout or chemicals
FIT FOR PURPOSE: AVAILABLE MODULES

The Barge Master Gangway can be configured for any purpose, since every project is unique in location, vessel and on-board logistics. For this reason the gangway is built up in various modules, with a choice of foundation, bridge, cargo and power modules. Barge Master sales engineers help you choose the configuration that’s best for your project.

- **Integrated 3D motion compensated lifting winch** with SWL of 1.000 kg and patented onboard lifting mode, for direct cargo transfer independent of size and location
- **Motion compensated pedestal**, BM-Gangway 4.5, compensating roll, pitch and heave motions close to the origin for increased workability
- **Fixed pedestal**, in various heights. Thanks to the standard pedestal design the gangway can be placed at any height.
- **Height adjustable pedestal**, for large variation in landing heights or tidal range
- **Integrated lift** in pedestal, for stepless access onto the gangway
- **Trolley transfer** over gangway for 300kg cargo on Euro pallets
- **23m gangway length**, +/- 5m
- **Stairs and walkways**, for continuous access
- **150 kg cargo basket** at the tip of the gangway
- **Hose provisions**, e.g. for grouting or chemicals
- **Hydraulic power units**, with the option to be shared with a BM-T40 motion compensated crane

The Barge Master Gangway is available for sale and rental. The system can be integrated into a new vessel or rapidly mobilized on an existing vessel.

Barge Master delivers expert services to guarantee reliable performance. Services include workability analysis, operator training and service level agreements.