

3D ACTIVE MOTION COMPENSATED GANGWAY



MAIN FEATURES:

- Gangway for safe personnel & cargo transfer
- Certified as a Type 2 gangway according to DNVGL-ST-0358 (December 2015)
- Certified for cargo transfer according to DNVGL-ST-0378 (May 2016)
- 3D Active Motion Compensation (AMC) by means of telescoping, slewing and luffing
- In Personnel Transfer Mode (PTM), connection is maintained by means of an intelligent bumper
- In Crane Hook Mode (CHM), 3D motion compensation offshore cargo transfer up to 1000Kg is achieved
- Redundant power pack located on the gangway
- Gangway operated by own crew



Vessel-induced motions are measured by an Octans Inertial Navigation System (INS), which is a combination of an MRU and DGPS. The tip of the gangway is kept stationary by compensating the measured motions by means of telescoping, slewing and luffing. This ensures easy docking with the intelligent bumper.

The bumper requires a very low contact force, thus has a minimal impact on e.g. the landing platform and the vessel DP system. Furthermore, the bumper provides an additional feedback signal to improve the 3D motion compensation. This results in a far higher compensation accuracy compared to systems which only rely on a MRU signal.

| TECHNICAL DETAILS | |
|--------------------------|---|
| Reach | 16.2m / 26.2m |
| Working angles | +20deg / -20deg (PTM) |
| | +50deg / -20deg (CHM) |
| Operational wave height* | $H_s = 3m$ |
| Weight | 49t |
| Wind speed | 20m/s (in operation) |
| | 36m/s (for deployment) |
| | 44m/s (in transit) |
| Working temperature | -20°C / +40°C (with relative humidity up to 100%) |

*Assuming a reference vessel ($L_{pp} = 85m$, breadth = 20m) and the gangway midships.

ADDITIONAL FEATURES

- Designed for a utilization of > 4 million cycles and 100.000 hours (U9/T9 according to ISO 4301-1; Intensive use)
- Redundant power pack (2x 100% power)
- Enclosed air-conditioned cabin (ventilation/heating)
- LED lighting
- Fail safe Siemens PLC with class 3 Safety Integrity Level (SIL)
- Camera system with four cameras: two on tip for docking (forward) and hoisting (downward), one on the bridge and one on the waiting area
- Unlimited slewing by means of a slip ring
- Portable X-wing foundation for maximum deck space

AVAILABLE FOR RENT OR PURCHASE

ABOUT US

Kenz Figee Group is a supplier and service provider of standard and customized offshore cranes and special equipment for the offshore energy market. Our decades of experience, focus on innovation and client requirements allow us to offer reliable equipment with competitive lifetime cycle costs.

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