

The logo for L-BOW, featuring the letters 'L-BOW' in a bold, blue, sans-serif font. The 'L' is stylized with a horizontal bar extending to the left, and the 'O' is a solid circle. The text is set against a white rectangular background.

L-BOW

OFFSHORE ACCESS SOLUTIONS

A 3D rendering of a blue and white offshore supply vessel named 'L-BOW' operating in a wind farm. The vessel is positioned in the lower right, with its deck open to reveal several stacked cargo containers. A bright green, extendable gangway connects the vessel's deck to a yellow-painted platform on the tower of a wind turbine. Several small figures of workers in safety gear are visible on the vessel's deck and on the turbine platform. The background shows a vast sea with several other wind turbines under a clear sky.

SAFETY IN EVERY STEP

L-BOW w2w Compensation Gangway

L-BOW "Safety in Every Step"

The L-BOW w2w system is a patented design of a motion compensation gangway system that allows the safe transfer of personnel from a floating vessel to a fixed structure in waves up to 4 metres in height.

SIMPLICITY

The standard 40' high cube container is available for a fast and efficient mobilisation on a truck, ship or airplane to any global onshore or offshore location.

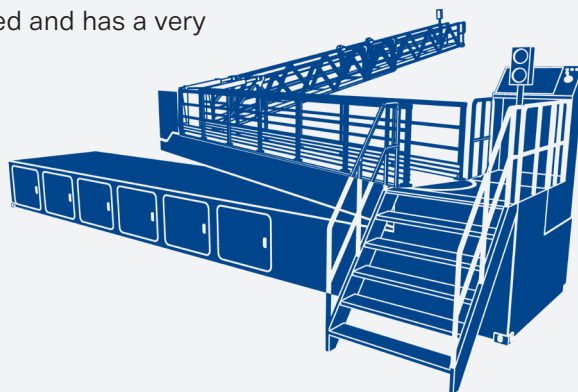
Its compact design allows the magic hydraulic and electronic equipment to be located in the main ISO DNV dimensional container.

PLUG AND PLAY

On arrival, it's a time-saving, user-friendly plug and play set-up. With its low power consumption, it is possible to connect the L-BOW direct to your ship's power grid without the need of separate HPU.

SMALL AND COMPACT WITH EXTENSIVE REACH

The L-BOW is specifically designed and has a very compact footprint on the deck of the operating vessel. However, once in operation, the L-BOW has a reach of 15-21 metres. The gangway has an elevation of 6 metres (20°) up or down to create a large operational envelope to assist in height difference between multiple targets.



MARKET SECTORS:

- Oil and Gas
- Renewable Energy
- Leisure
- Maintenance
- Construction
- De-commissioning

SPECIFICATIONS

Weight
30 Tonnes

Maximum Personnel Load
350 Kg

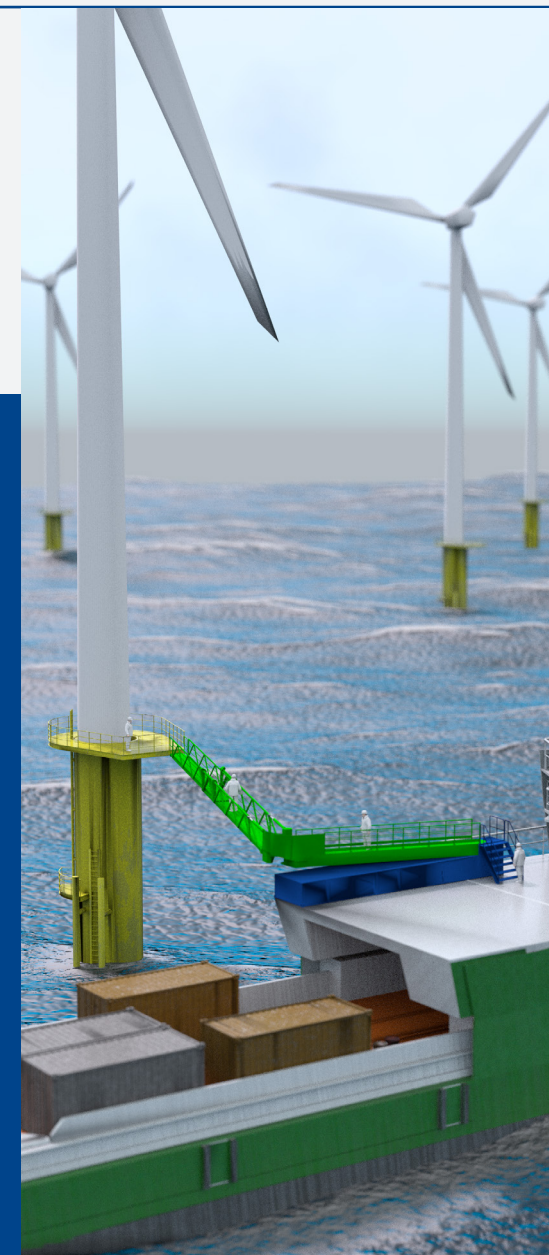
Significant Wave Height
4 metres

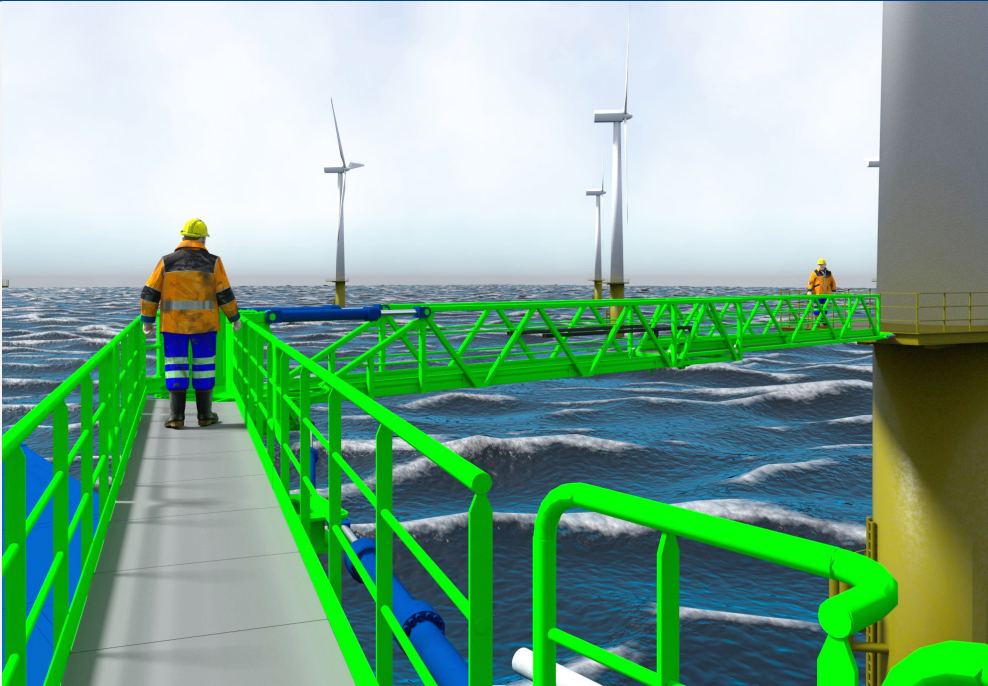
Minimum Reach (Neutral)
15 metres

Maximum Reach (Neutral)
21 metres

Luffing
+/- 6 metres

Maximum Tidal Difference
6 metres





SAFETY IN EVERY STEP

Safety is our joint priority and nowhere is safety more important than in w2w systems as used for offshore personnel transfer. The Directors and Management at L-BOW are fully committed to **Safety in Every Step**.

SAFETY IN EVERY STEP INCLUDES:

- L-BOW Organisation
- L-BOW w2w Design
- L-BOW w2w Engineering
- L-BOW w2w Manufacturing
- L-BOW w2w Testing
- L-BOW w2w Training
- L-BOW w2w Maintenance and Servicing

DNVGL-ST-0358



L-BOW is specifically manufactured in strict compliance with the International DNVGL Standard: DNVGL-ST-0358 Edition December 2015 (Certification of Offshore Gangways for Personnel Transfer)

L-BOW TRAINING ACADEMY

The L-BOW w2w is designed to be operated by trained personnel. Our L-BOW w2w Training Academy leads the way in training and certifying personnel to be competent in all aspects of operating the w2w system.

TRAINING SIMULATOR

The training for the operation of L-BOW w2w system is fully supported by our full scale training simulator which incorporates the latest Hardware-in-the-Loop (HIL).

PLUG AND PLAY

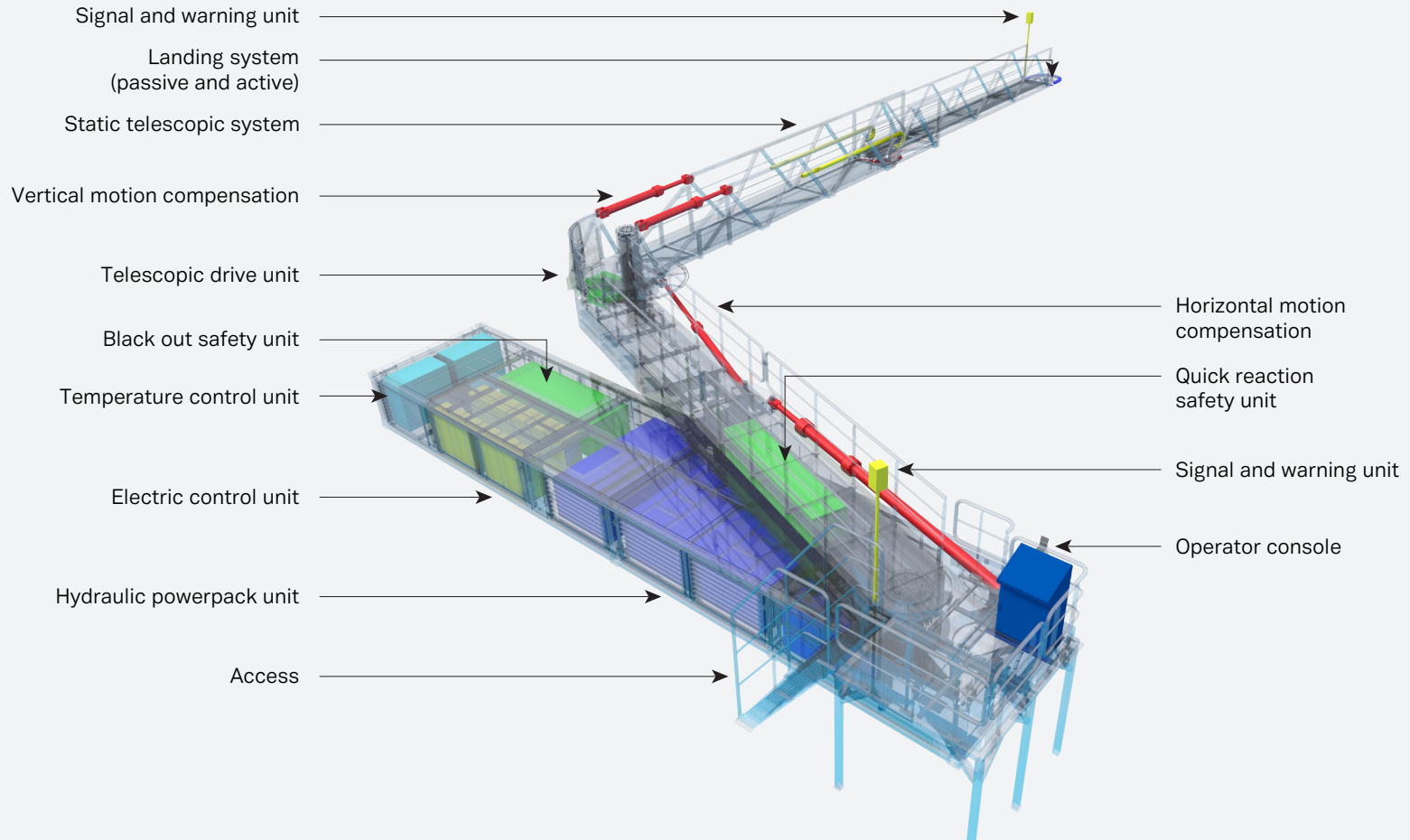
Our training simulator is easily set up in the classroom, training room and offshore locations where space restraints are quite common.

It is a straight forward set-up by plug and play and provides the opportunity to train personnel to operate the L-BOW w2w system as it does in real life, either showing a prepared operation or by carrying out a simulated live performance by using the real operator console.

COMPONENTS OF A HIL SIMULATOR:

- Operator console with PLC
- Desktop PC
- Simulation software
- One or multiple screen monitors

OPERATIONAL EXCELLENCE



L-BOW w2w Compensation Gangway
Model: LOAS-40

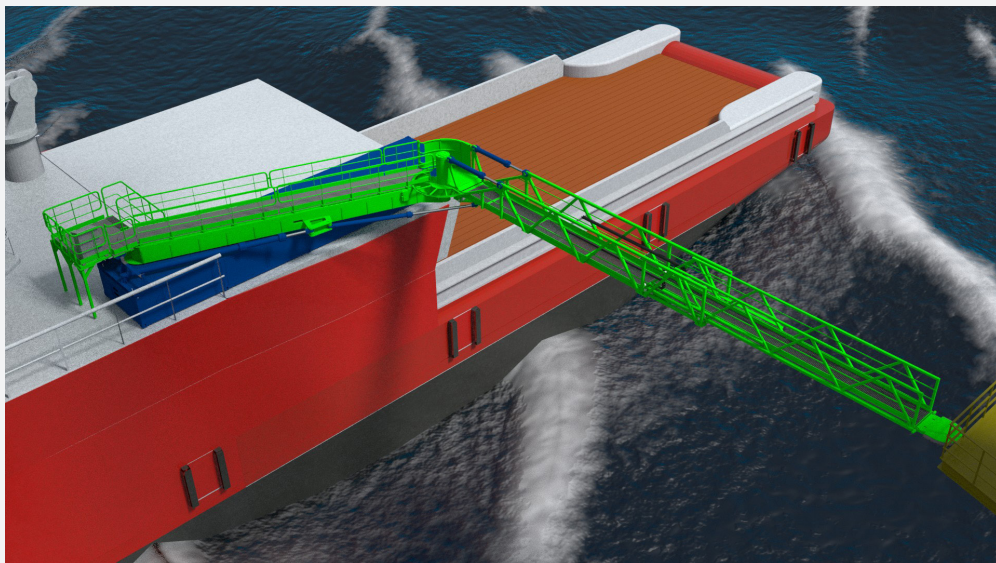
L-BOW w2w OPERATIONAL FEATURES

MOTION COMPENSATION MODES:

- Effective active motion compensation
- Consistent fully automatic station keeping
- Safety redundant system
- Comprehensive passive motion compensation
- Safe control in passive mode

WORKING ENVELOPE

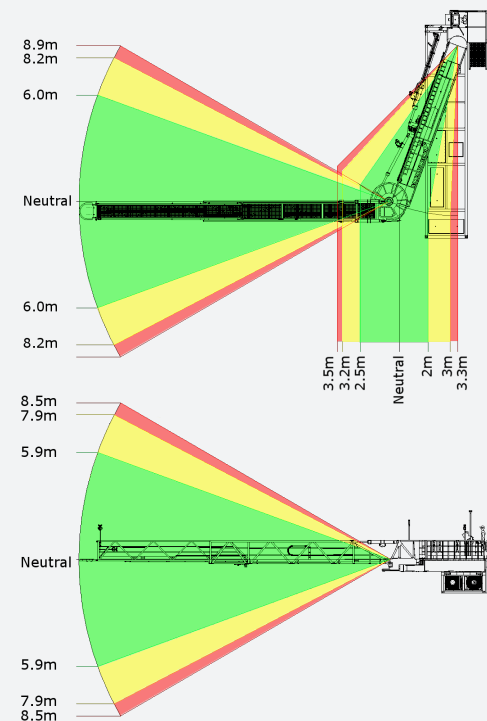
- Large complex operating envelope
- High capacity elevation (up & down) functions



TECHNICAL DATA INFORMATION

We can, with the L-BOW w2w system, provide customised solutions for a comprehensive and safe personnel transfer method. The L-BOW model LOAS-40 is our standard system with extensive operating ability.

DIMENSIONS



SPECIFICATIONS

Maximum Hs	: 4 metres
Capacity	: 350 Kg
Footprint	: 40' container
Compensation Mode	: Active & Passive

MOBILISATION

L-BOW has a parent company with a wealth of experience in both 24/7 Mobilisation and DNV-GL Fabrication approved certified solutions.



FRANKLIN OFFSHORE EUROPE B.V.

We provide comprehensive mobilisation and fabrication services from our quayside facilities located in the Port of Rotterdam in the Netherlands.

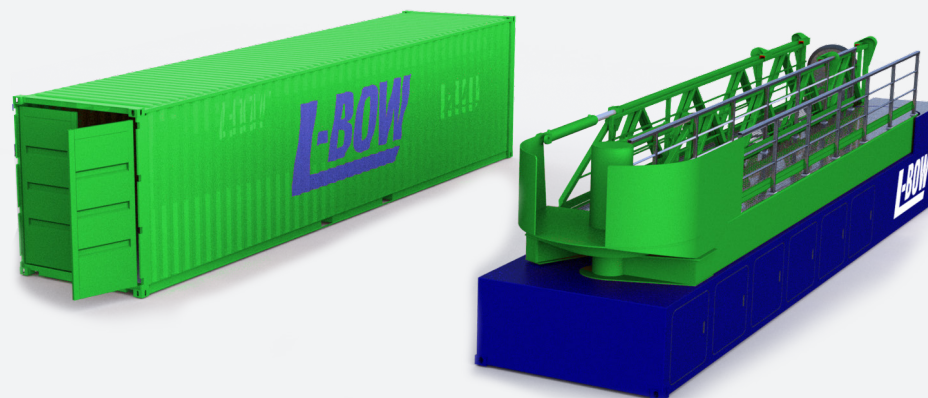
- Design and calculations
- Fabrication steel structures, sub-frames
- DNV-GL Certification and Approvals

SIMPLICITY IN HANDLING AND SHIPMENT

- Plug and Play set-up
- No HPU requirement
- Standard DNV ISO container size
- Ease of securing / sea fastening
- Easy handling by road or sea transport

ISO DNV Container Building Blocks

Based on operational requirements, L-BOW can be elevated by modular stacking of the standard DNV ISO Containers. These modular units can be used in conjunction with the L-BOW unit for general storage.



RENTAL OPTION

L-BOW w2w COST MANAGEMENT

Cost Management is a priority and a main business driver in all project work. We understand the business and the challenges so we provide a total management rental option on the L-BOW w2w system.

The rental period can be discussed and the provision of our value added services that we can provide to give a one-stop-shop rental solution.

You will be provided with the equipment specification, certification and operational costs.

We listen to your requirements and we deliver a solution to meet if not exceed your project expectations.



DIRECT PURCHASE OPTION

With the offshore w2w transfer method now being used as the most practical and safe method of personnel transfer then on long term contract and such partnerships with the vessel owners then the client may choose a direct purchase option.

We can provide a direct purchase solution to meet your requirements.

The following support modules can be provided with the purchase option:

- International Warranty
- Operators Training
- After Sales Service and Maintenance
- Certification
- Refurbishment Services

MANUFACTURED IN THE NETHERLANDS



With our wealth of experience and marine heritage, L-BOW w2w Compensated Gangway is designed, engineered and manufactured in the Netherlands.

DISCLAIMER

The information contained in this brochure should be used for guidance purposes only.
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