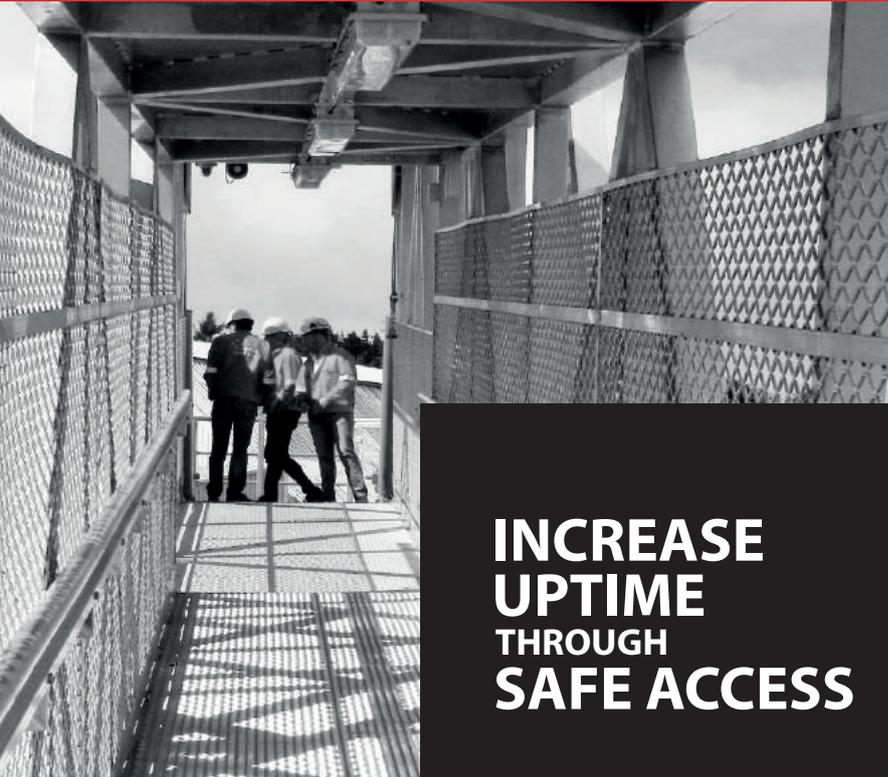




# UPTIME

[www.uptime.no](http://www.uptime.no)



**INCREASE  
UPTIME  
THROUGH  
SAFE ACCESS**



# UPTIME ABOUT



Bjørnar Huse

**UPTIME AS** was founded by ICD Industries AS and Marine Aluminium AS.

We develop, market and install motion compensated equipment in cooperation with our owners, both of whom lead in their fields. For over a decade, ICD has made control systems for motion compensated equipment and advanced vessel systems. Marine Aluminium is the market leader in aluminium helidecks and large gangways.



Svein Ove Haugen

**UPTIME AS** has developed the world's first motion compensated helideck which is DnV and HCA approved, dramatically increasing the landing window of the PGS vessels "Ramform Sterling" and "Ramform Sovereign".

Please see the following pages for a more detailed description of **UPTIME** Gangways, both large and small, and **UPTIME** Helidecks.

For further information, you are welcome to contact us 24/7:

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## ◀ GANGWAY small

- what**
- different models
  - length 6-15 metres
  - vessels 10-30 metres

- when**
- windmill installation
  - crew change
  - decommission
  - windmill service
  - navigation aid maintenance

Please see page 4 for more information ▶



## ◀ GANGWAY large

- what**
- different models
  - length 15-50 metres
  - vessels 30+ metres

- when**
- windmill installation
  - crew change
  - decommission

Please see page 5 for more information ▶



## ◀ HELIDECK

«Like landing on a flying carpet!»

- Happy helicopter pilot

Please see page 6 for more information ▶

# UPTIME GANGWAY

SMALL

# 6-12m

Today, the wind turbine crew access operation is done by jamming the vessel bow against the windmill tower. The **UPTIME** gangway allows the crew via a motion compensated gangway to transfer safely from the transport vessel to the turbine. The vessel is free to move with the sea but the gangway is stationary against the tower.

The transport vessel may be equipped with propellers or waterjets, with or without DP, catamaran or single hull. Consequently, it will be operational in heavier seas than what is possible with the thrust lock-on technique.

Heave and pitch are absorbed using active motion compensation. The motion detection can be based on traditional MRU signals, facilitating stationary object access, or with a novel object recognition system which will make it possible to compensate between two freely floating and independent vessels.

**Therefore the gangway is not only for the wind turbine industry, but also for rescue, navigational aid maintenance, pilots and much more.**

### The primary use for the small gangway:

- ▶ Crew transport gangway: access from small crew transport vessels to windmills or other constructions, lighthouses, disabled vessels.

### Typical use:

- ▶ Windmill service and maintenance, evacuation of vessels or installations, near shore crew transport.

A reference list of hundreds of gangways with successful passages, counted in hundreds of thousands, proves that the structures are durable.



Also, we offer a custom design option whereby the length and other parameters can be agreed having regard to the customer's specific requirements.

## Technical data:

Different models with operating lengths from 6m to 12m

Operating angle:  
20 up, 20 down

Walkway width:  
0,80m

Gangway weight:  
ca 1500kg \*

Construction:  
Seawater resistant aluminium

Maximum wave height:  
2,5m Hs \*\*

\* Depending on the length of the gangway

\*\* Depending on vessel type and where the gangway is installed



# UPTIME GANGWAY

LARGE

# 15-40m

- ▶ **The primary use for the large gangway:**  
Access from large construction support vessels to any other construction or vessel.
- ▶ **Typical use:**  
Transport of manual construction crew, evacuation of larger platforms or vessels, crew change on offshore installations, offshore decommissions.

Gangways are in use all over the world as a critical and practical access method from a vessel to platforms, windmills and other structures.

Our partner Marine Aluminium has delivered numerous such gangways over many years.

Several gangways have a operating period counted in decades.



**UPTIME** offers these same constructions with full motion compensation, making it possible to land delicately on any structure without any specific adaptations at the receiving end.

Also, the gangways are 100% open under operation. Therefore personnel can cross the gangway without specific mode having to be engaged. In fact, hundreds can cross without the system having to be parked or moved to ensure access.



Custom lengths are available on request. Special enhancements are available for arctic operations, night operations, heavy equipment transport and much more.

## Technical data:

Different models with operating lengths from 15m to 40m

Telescopic length:  
+/- 4m

Walkway width:  
1,2m

Operating angle:  
20 up, 15 down

Design load:  
200kg/m<sup>2</sup>

Construction:  
Seawater resistant aluminium

Maximum wave height:  
3,5m H<sub>s</sub> \*

\* Calculation based on supply vessel type ship



# UPTIME HELIDECK

**UPTIME** offers motion compensation for the Marine Aluminium helidecks, increasing dramatically the landing window for most vessels or floating platforms.

The helidecks are made of seawater resistant aluminium, making for a durable and lightweight construction. The substructure is available in aluminium or steel, while the drive system can be fitted with hydraulic or electric drives.

Seawater resistant  
aluminium, durable  
and lightweight  
construction

Helidecks are of standard design. However, when constructing the system, the foundation and drive system are custom designed to take account of the vessel's characteristics and other parameters.

Also, **UPTIME** offers a fully compensated workdeck which can be used as a:

- Workdeck for transporting equipment to be craned off (can use a crane without motion compensation)
- Helideck for drone helicopters (will ensure stable footing after landing, preventing accidental liftoff or slide)
- Base for marine cranes, giving you heave compensated cranes based on standard cranes



**Contact us for more usage areas or ideas!**

# UPTIME HELIDECK

With **Uptime Helideck**, the relative position of the helideck is fixed beneath the helicopter during landing.

Combining “Uptime motion compensation” with Marine Aluminium’s lightweight helideck designs, **Uptime Helideck** eliminates the relative movement between helideck and helicopter. This makes helicopter landings safe regardless of vessel movement.

With **UPTIME** motion compensation, the operating window will be upgraded at least one class in the HCA (Helideck Certification Agency) class system.

- **UPTIME Helideck** eliminates the relative movement between helideck and helicopter.

**This makes helicopter landings safe regardless of vessel movement!**



**Uptime Helideck** is delivered as a turnkey package fulfilling all regulations with all required safety features. Fuelling stations and other equipment may be installed.

Our partner Marine Aluminium is the market leader for aluminium helicopter decks, both for onshore and offshore use.



«Like landing on a flying carpet!»

- *happy helicopter pilot*



**Motion  
Compensated  
Equipment**