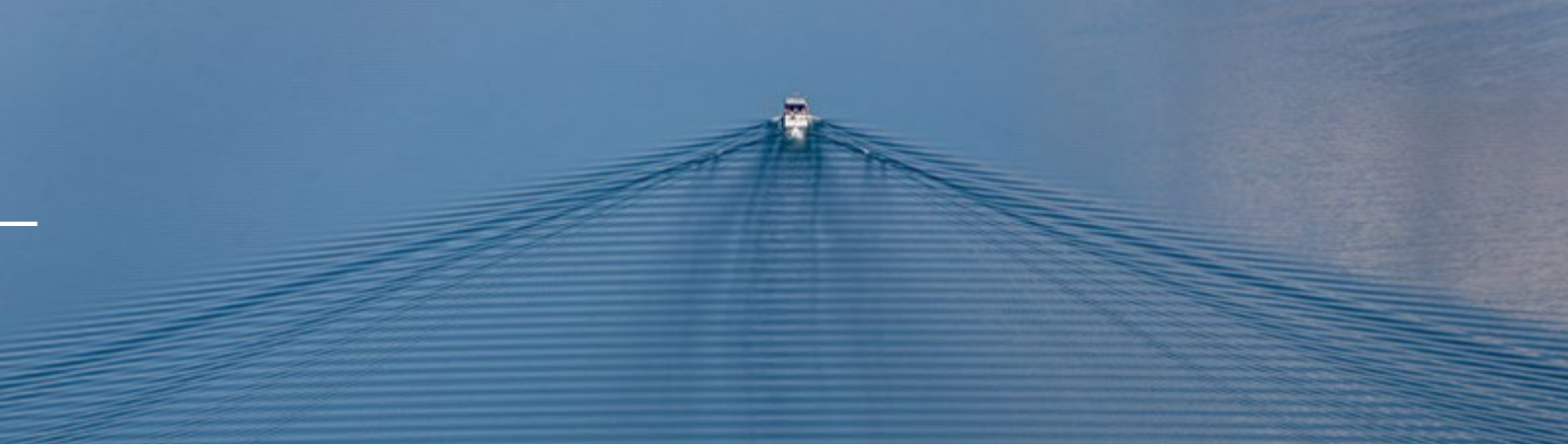


RADAC

Level, tide and wave monitoring

WaveGuide

Remote level, tide and wave monitoring

Waves are the main contributing factor to downtime in offshore, shipping and harbour operations. Reliable and real time wave data are essential for maximised use of weather windows, increased operational efficiency and improved safety during offshore operations.

The Radac WaveGuide is a highly accurate radar system incorporating advanced technologies that make it an easy to use, reliable and robust device for measurement of level, tide and waves up to the most extreme conditions.

- Reduce downtime
- Increase operational efficiency
- Improve structural lifetime analysis
- Increase marine safety

High quality data

For wave height and wave direction data, comparative studies have proven that the WaveGuide radar and the Waverider buoy perform equally well. The test shows no statistical difference in the height and direction information from the Waverider and from the WaveGuide. The high quality data are achieved without the hassle of service operations and break away buoys.

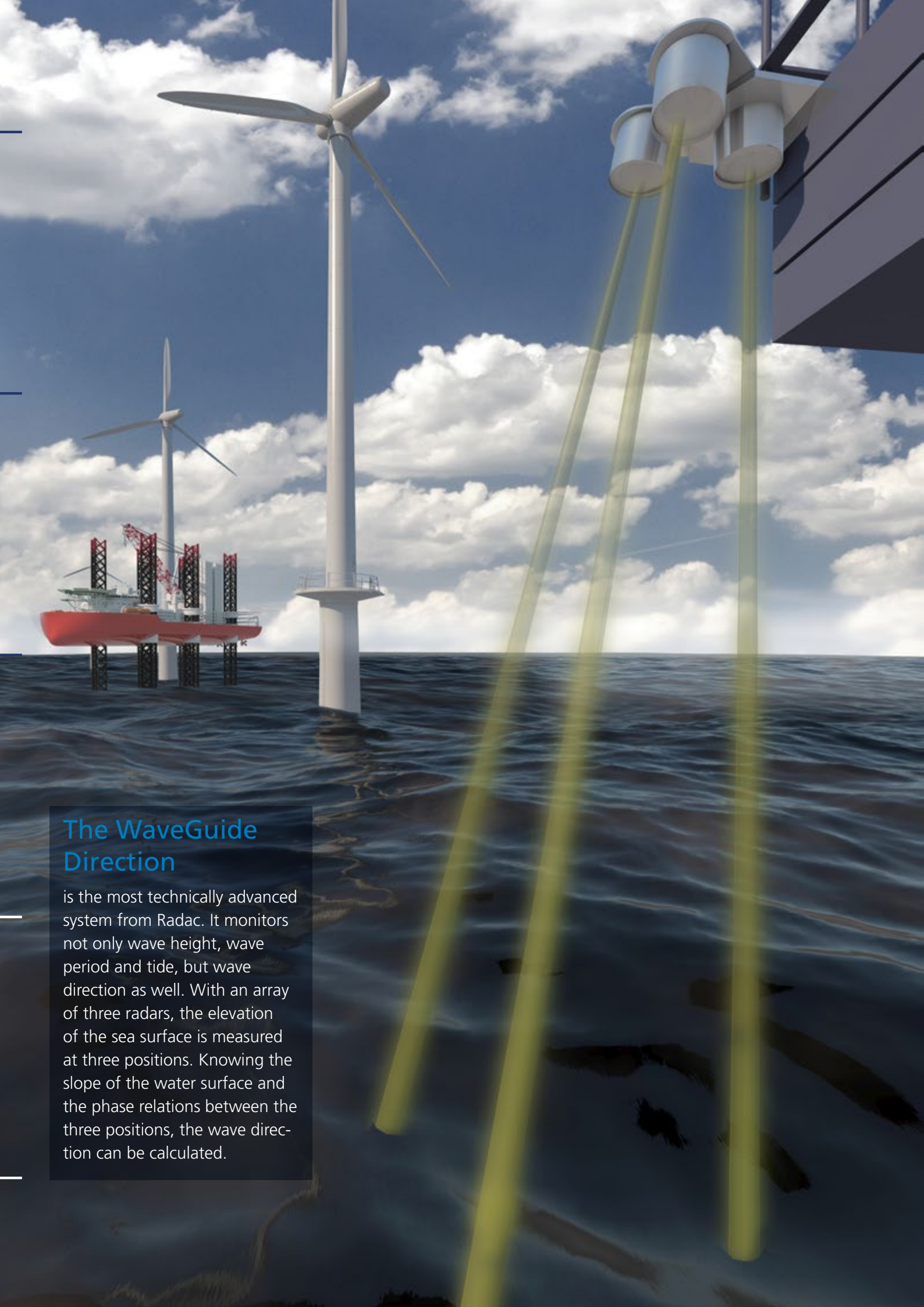
Features & Benefits

- Highly accurate
- Maintenance free
- Re-calibration is never required
- Easy installation, light weight and small
- Optional ATEX certification

1 Shipping - WaveGuide Onboard

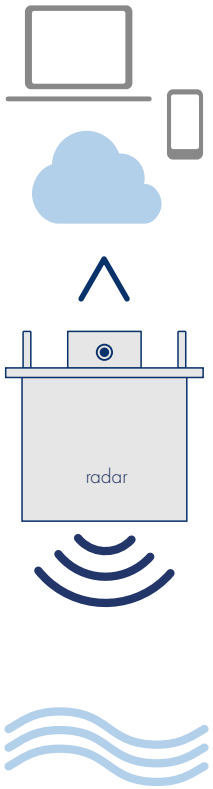
2 Offshore Oil & Gas - WaveGuide Direction Ex

3 Offshore Oil & Gas - WaveGuide Height & Tide Ex



The WaveGuide Direction

is the most technically advanced system from Radac. It monitors not only wave height, wave period and tide, but wave direction as well. With an array of three radars, the elevation of the sea surface is measured at three positions. Knowing the slope of the water surface and the phase relations between the three positions, the wave direction can be calculated.



How does it work?

The WaveGuide radar (based on Honeywell Enraf core technology) measures the distance to the water surface 10 times per second. In all wind and wave conditions the accuracy for water level is proven to be below 1 cm.

The WaveGuide radar itself facilitates data acquisition, data processing, data presentation and remote service. Data will be internally stored on the device and distributed over the network. Any device connected to the (private) network can access the web-based user interface.

WaveGuide 5 Compact version

WaveGuide 5 Ex version

Compare WaveGuide Models

	Waterlevel	Height & Tide	Direction	Onboard
Waterlevel	•	•	•	•
Tide	•	•	•	-
Wave height	-	•	•	•
Wave period	-	•	•	•
Wave direction	-	-	•	-
Compensation vertical motions	-	-	-	•
Option: Explosion proof version	•	•	•	2018
Dimensions and weight: Compact radar	ø 265 x 245 mm 12,5 kg	ø 265 x 245 mm 12,5 kg	3 x ø 265 x 245 mm 12,5 kg	ø 265 x 245 mm 12,5 kg
Dimensions and weight: Ex radar	217 x 319 x 379 mm 14.8 kg	217 x 319 x 379 mm 14.8 kg	3 x 217 x 319 x 379 mm 14.8 kg	2018

RADAC
level, tide and wave monitoring

Elektronicaweg 16b
2628 XG Delft
The Netherlands
T +31 15 890 32 03
info@radac.nl
www.radac.nl

We are a Dutch company, based in Delft. Since 1996, we develop, manufacture and market the WaveGuide. We are proud that our professional systems are trusted across the industry. Our main clients include oil companies, offshore wind farm operators, port operators and shipping companies.