

Smart Mooring
Make moored vessel operations
safer and more efficient

www.twinn.io/SmartMooring



IN SHORT

Our predictive mooring solution

What?

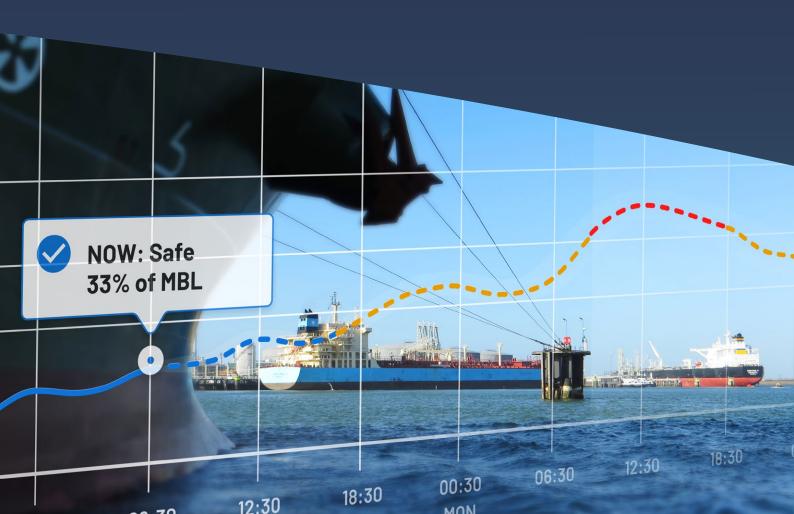
It is a software application that actively warns the Harbour Master or port operator for unsafe situations of moored ships in their port.

How?

It predicts mooring forces and ship motions days in advance by combining hydrodynamic calculations and weather forecast (wind &/waves).

Why?

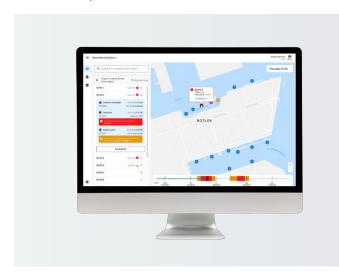
To support operational decisions and so mitigate the risk of vessels breaking breaking loose, which is becoming vital with larger ships, heavier storms and ageing infrastructure.



THE SOFTWARE

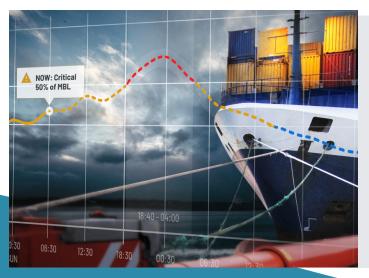
Levels of user information

PORT/TERMINAL LEVEL





BERTH LEVEL







THE SOFTWARE

The modules are adjusted to your needs



SMART PORTS

What value do we deliver?

Gain control over vessels moored in a port and thereby:

- Improve safety
- Be better prepared for action to mitigate risks
- · Increase operational uptime

Become a future-proof Smart Port by:

- Adding science and data to operational and strategic decisions
- Gaining actionable insights in the behavior of moored vessels
- Enhancing communication in the port-call process between the port, vessel and terminal

Views from our partners

Together with Royal HaskoningDHV we have introduced the Smart Mooring software solution in our port. Being able to predict the impact of weather conditions on moored vessels will make vessel operations safer and more efficient. Port of Rotterdam is always exploring new ways to make our port safer, more durable and increase efficiency. Digitalization plays an important role in these efforts. Royal HaskoningDHV has developed the Smart Mooring software and we are proud to state that we are a partner in this digital innovation.



Port of Rotterdam

The system is proving very useful to us. For example, during a period of poor sea conditions in mid-March, we kept a Capesize vessel alongside, but decided not to berth a Panamax vessel, based on the Smart Mooring output.



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Captain Michael MageeGroup Harbour Master at RAK Ports



BECOME A SMART PORT

How to get started?

Get started in 3 steps:

- 1. Determine user information level per location
- 2. Discuss with us your key variables of berths and vessels you wish to see in the software
- 3. We are cloud based, so we will provide you with a login and help you get started!

GET IN CONTACT

Bas van Son

