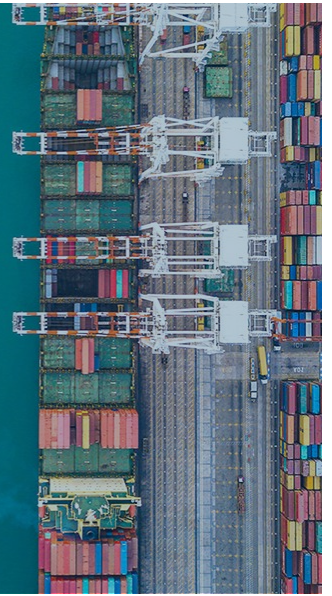# MIKE 21 Mooring Analysis

Smart software for the safest ports

Why MIKE 21 Mooring Analysis?

Port, terminal and other industry professionals can now accurately assess the truly dynamic effects of wind, currents and the local wave climate on moored vessels and other floating structures. Evaluate equipment design under realistic conditions, predict the consequence of port layouts and identify adverse conditions to improve safety and efficiency while reducing costly downtime.

- **Improve the efficiency of load operations for each specific berth**

- **Easily simulate multi-body interactions**

- **Analyse automated mooring systems**

- **Simulate passing vessel impact on moored vessels**

- **Access a wide selection of prototypes for realistic vessel hull representation**

- **Include infragravity waves in your mooring analysis for the most comprehensive assessments**

> "
> *MIKE 21 MA has all the necessary capabilities to model complex mooring layouts such as multiple vessel moorings, yet the interface is simple enough for a quick setup of basic layouts.*
>
> Pierre Swiegers, Senior Engineer
> PRDW Port and Coastal Engineers

Additional features & capabilities

- Run fast and accurate simulations using the built-in Mooring Analysis Solver

- Perform highly precise hydrodynamic analyses by incorporating the shape of the vessel and local wave and flow fields that surround the entire vessel

- Analyse a mooring arrangement based on 2D waves and currents - MIKE 21 MA connects directly to simulation output of waves and currents from other MIKE modules including MIKE 21 Boussinesq Waves, MIKE 3 Wave FM and MIKE 21 Hydrodynamics

- Start analysing results sooner - the intuitive graphical user interface makes learning the software a breeze
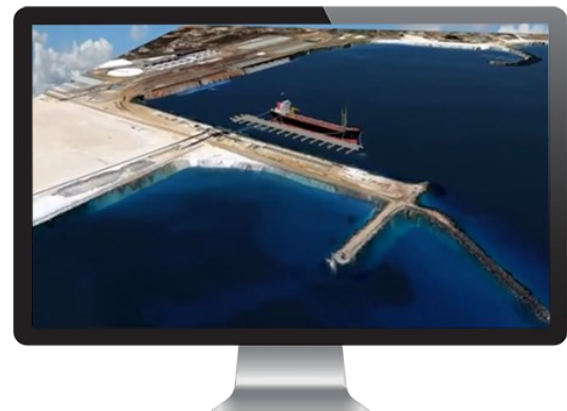
To learn more about MIKE 21 Mooring Analysis, visit: **www.mikepoweredbydhi.com/products/mike-21-mooring-analysis**

The expert in **WATER ENVIRONMENTS**

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