Why MIKE 3 Wave FM?

MIKE 3 Wave FM is a groundbreaking tool that helps port planners, designers, coastal engineers and offshore developers analyse the potential impact of a wave climate on planned infrastructure. Evaluate port layouts, coastal protection schemes and loads on offshore structures like never before with this advanced 3D phase-resolving model that accurately calculates wave transformation.

- Simulate wave breaking, wave run-up and overtopping
- More accurately model porous structures like breakwaters and beaches
- Automatically include infragravity waves in your wave agitation simulations
- Automatically calculate wave-induced currents
- Run fast simulations via high-performance

Additional features & capabilities

- Cover fully non-linear, fully dispersive surface gravity waves and ambient flows - a major advantage over traditional wave modelling applications
- Create detailed multi-disciplinary models thanks to flexible, unstructured mesh
- Design your model as you wish with no limits to wave height and wave period
- Create custom solutions by coupling MIKE 3 Wave FM with 2D wave spectra input from MIKE 21 Spectral Waves or use MIKE 3 Wave FM output directly in MIKE 21 Mooring Analysis or MIKE FLOOD
- Set up your models quickly and efficiently with a highly advanced and intuitive graphical user interface

DHI’s new powerful MIKE 3 Wave FM has been an extremely valuable tool for the assessment of coastal flooding due to wave overtopping. In addition, the 3D visualisation of the results has been a game changer for illustrating risk prone areas to the many stakeholders.

Regional Coastal Authorities
Landes, France

To learn more about MIKE 3 Wave FM, visit: www.mikepoweredbydhi.com/products/mike-3-wave-fm