

# MIKE 3 Wave FM

## Push the limits of wave modelling

### 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**

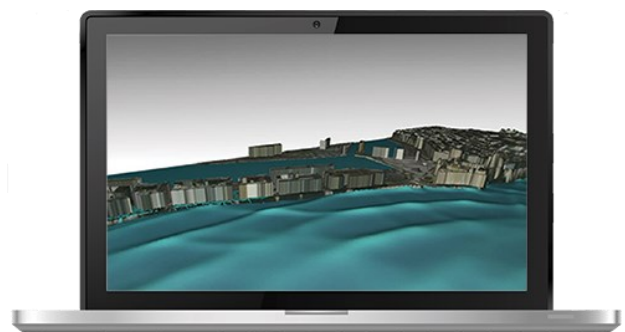


*DHI's new powerful MIKE 3 Wave FM has been an extremely valuable tool for the assessment of coastal flooding due to wave overtopping. In addition, the 3D visualisation of the results has been a game changer for illustrating risk prone areas to the many stakeholders.*

Regional Coastal Authorities  
Landes, France

### 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



🌐 To learn more about MIKE 3 Wave FM, visit: [www.mikepoweredbydhi.com/products/mike-3-wave-fm](http://www.mikepoweredbydhi.com/products/mike-3-wave-fm)