

Plan for and adapt to more frequent, widespread and severe coastal flooding

MIKE Coastal Resilience Technology

Do you want access to the latest technology that can effectively improve coastal resilience?

Would you like to better inform decision making on engineered and nature-based design solutions?

Want to pinpoint flood risks and vulnerabilities in a more comprehensive manner?

Our solution

Coastal flooding is a growing, global concern. Higher sea levels are coinciding with more intense storms which produce higher waves and more powerful storm surges. Coastal development continues to destroy natural flood barriers such as islands and wetlands, promotes erosion and flooding, and positions more buildings and people in the path of danger.

The use of advanced data analysis, decision support and real-time operational planning tools available through **MIKE Coastal Resilience Technology** can effectively improve the long-term sustainability of coastal communities.



PLAN

Tap into reliable **online environmental data** on water levels, currents, wind and waves to **better understand local conditions** for proactive flood management planning



DESIGN

Choose from a selection of **software modules** to analyse, model and simulate flood risks. **Identify vulnerabilities, predict hazards** and **design appropriate flood defences**



PROTECT

Create a **flood forecasting and warning system** by converting your model into actionable information to help **protect and alert communities** of impending flooding



ADAPT

Adapt to changing climate conditions by **optimising the control of flood defences** through the creation of a **real-time operational control system**

Benefits of choosing MIKE Coastal Resilience Technology

Access high quality data on-demand

Download water depth and metocean data directly to your computer for use in your model.

Assess the viability of both nature-based and engineered design solutions

Gain powerful insight from hydrologic and hydraulic models to assess the potential impact of coastal flooding on the built and natural environment to inform decision making.

Tap into the power of real-time data

MIKE OPERATIONS is the premier tool for the collection and processing of real-time data to build flood forecasting and warning systems. You can even connect to the internet-of-things to control pumps, weirs, gates and dams in real-time.

Futureproof your investment

New layers of tools and modelling software can be added as needed to produce more actionable information.



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