Advance your project through DHI’s expertise and software.
CASE STORIES

In Hvide Sande on Denmark’s western coast, the local fishermen were facing a problem: their harbour entrance was not only too shallow for modern fishing vessels, but also regularly obstructed by sediments — sometimes for weeks at a time. In an innovative approach built on our advanced morphological modelling tools and a large set of field data, we managed to solve these varied problems at one go.

The Nord Stream Pipeline crosses the Baltic Sea, connecting the vast natural gas reserves in Russia and energy markets in the European Union. One important aspect during the pipeline laying process was the protection of the affected environment and the mitigation of potential impacts. To monitor and record sediment spill, we deployed customised environmental monitoring buoys carrying sophisticated instruments and a satellite communication unit.

Falmouth cruise terminal on Jamaica’s north coast is a welcome point for shiploads of tourists each year — literally. To make sure the terminal is properly prepared for the extreme hurricane events occurring in the region, we took a close look at the expected waves and evaluated the best protection measures. Our solution included an innovative combination of three different numerical wave models, physical model tests and literature findings.

More than half of the world's population now lives within 60 km of shorelines — areas greatly threatened by climate change impacts.

Contact: info@dhigroup.com
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OUR EXPERTISE

COASTAL ENGINEERING
We help you work in harmony with nature to accomplish cost-effective and future-proof engineering work for:
- coastal structures
- waterfront development
- coastal flooding and erosion
- sediment transport and morphology

ESTUARINE AND SEDIMENT ENGINEERING
We provide you with solutions to sustainably achieve:
- shoreline and estuary management
- dredging and spill management
- cooling water recirculation

PORTS AND TERMINALS
To design, develop and manage efficient and sustainable port and terminal structures, we provide services in:
- coastal structures
- hydraulic structures and Computational Fluid Dynamics (CFD)
- hydraulic scale model tests
- model testing technology

SURVEY AND MONITORING
To support your coastal and marine projects, we offer tools and services for:
- survey and monitoring
- Metocean data

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