

MARINE FORECASTING ENGINE

Cut weather-related downtime and costs



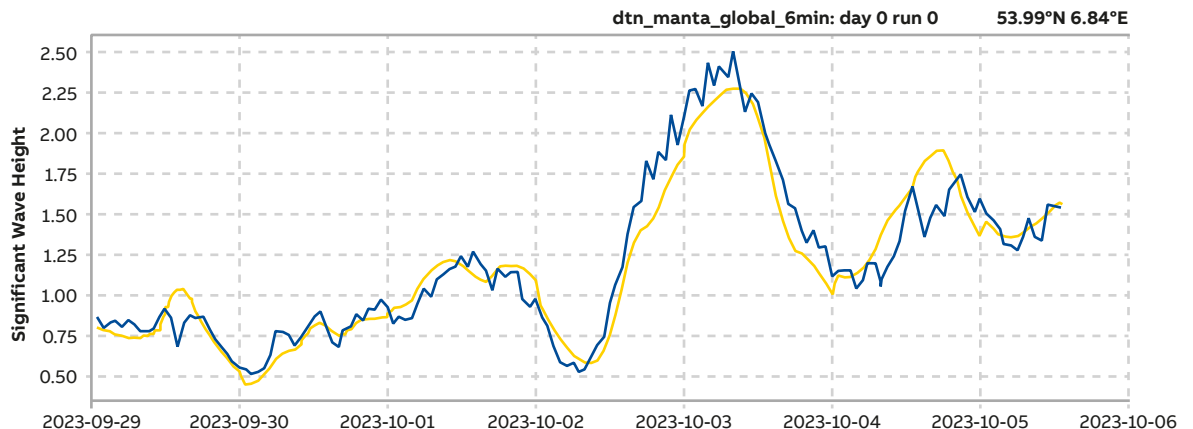
Reducing costs and downtime can easily support savings of more than \$1 million a year.



The weather is one of your biggest challenges. It impacts crew and asset safety, as well as the timeliness and profitability of your operations. Having the right weather insights is essential to making correct business and operational decisions.

The Marine Forecasting Engine generates the most accurate marine forecast and hindcast data globally. This innovative, flexible, and fully scalable forecast platform serves the highest-value marine use cases.

We operate a cloud-based, global suite of customizable marine forecast models that can match your shipping and offshore needs exactly. These high-resolution models easily integrate into global and regional forecast runs on the fly and configure their output to your business requirements. It includes an ongoing verification suite using satellite, buoy, and private observation networks. The models are continuously validated, calibrated, and tuned to the latest observations.



Some of the many benefits of our proprietary forecast data:

Reduce weather-related downtime and associated costs

In addition to its native global resolution, models can be fine-tuned to fit site-specific operations and enhance situational forecast accuracy by multiple percentage points. The operational and financial savings can be significant – on the order of over \$1 million a year.

Enhance operational safety for people and assets

Higher-resolution weather models provide significantly more precise forecasts. For example, modeling tropical wind fields in the highest detail assists forecasters and master mariners who support or route vessels in the region. Activities in littoral waters benefit from resolving nearshore wave transformation.

Achieve greater decision-making confidence

More accurate weather data allows you to make better decisions faster and with greater confidence, even in challenging weather and sea conditions. The ability to resolve weather phenomena along coasts and near harbors allows you to provide trusted operational support and help increase efficiencies.

Empower your tools

By incorporating the most robust forecast data into your systems, you can better execute your digitalization initiatives and extract greater value from your enterprise investments.

Forecast system facts



Update frequency:
four times per day



Resolution:
6-minute (0.1 degree) minimum



Coverage:
global



Number of parameters:
500+