

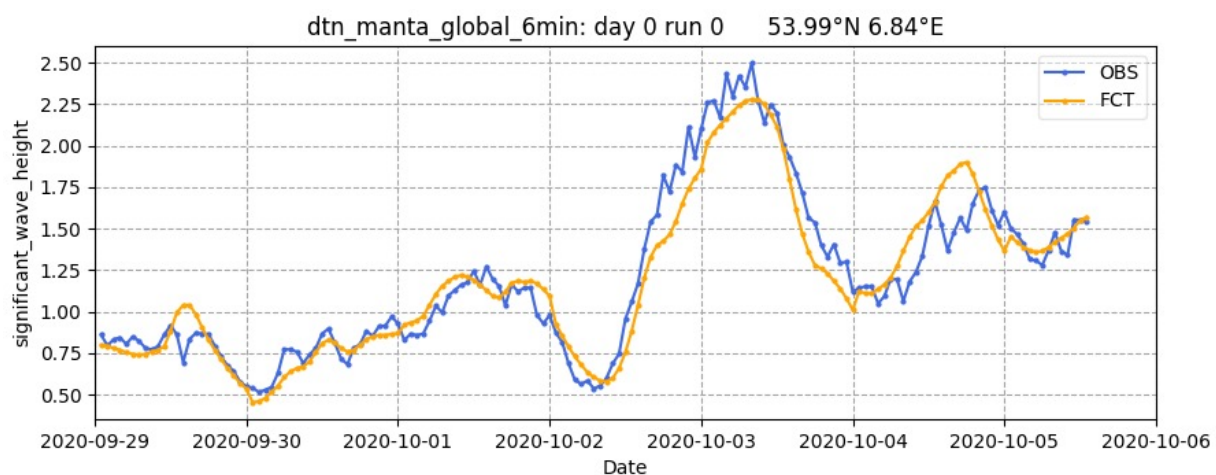
Cut weather-related downtime and costs

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 DTN 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.

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



DTN Marine Forecasting Engine

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



Coverage global



Resolution 6-minute (0.1 degree) minimum



Number of parameters 500+

The DTN advantage

Support safety and operations with the weather data you need to make informed decisions. By integrating our data into your systems, you can stay ahead of adverse conditions across your sites. The flexibility of our insights ensures the outputs meet your needs. Our suite of APIs and application solutions provides access to timely, accurate marine weather forecasts and analytical data, exactly when and where you need it.