



## Enhance decisions with a library of accurate, high resolution metocean weather content

The DTN Marine Weather API is an all-in-one solution that integrates our marine weather data and analytics services into your systems. Using the latest cloud technology, we can tune our global suite of metocean forecast models to match your exact needs. Models and forecast data are continuously validated, calibrated, and adjusted to the latest measurements using satellite, buoy, and observation networks.

Access metocean weather content where you need it most

You can unlock a library of maritime weather content, integrating high-resolution models via numerous output types. With it, you can support various maritime application requirements that drive safer, more efficient, and profitable operational decisions. As additional capabilities launch in the DTN Marine Weather API solution, easily access their features without changing workflow, approach, or product through automatic onboarding into your existing account.

Integrated weather data helps reduce the impact of conditions. Improved access to accurate data also means faster decisions and streamlined internal communications. We offer an advanced API portfolio for marine, shipping, and offshore sectors. Get the weather data you need to empower your systems.

# DTN Marine Weather API

## Easier access to key information

Our API provides access to more than 500 marine weather parameters, including ocean waves, atmospheric and tidal data, and much more.

Configure outputs by temporal resolution, forecast ranges, forecast models, location (shape) requests, and data formats.

## Impact output types

2D spectral wave forecast data and energy plots to support vessel motion calculations and show a vessel-specific operability picture.

## Higher forecast accuracy

Data is generated by the proprietary, cutting-edge DTN Marine Forecast Engine.

Provides higher-resolution weather models that solve weather forecast physical equations in greater detail.

Tunes high-resolution marine forecast models to your sites, improving accuracy with location-specific outputs

## 24/7 expert support

Our weather data always comes with 24/7 support from our weather rooms around the globe, including expert advice from master mariners, marine scientists, and meteorologists.

## Marine weather API facts



**Update frequency** four times per day



**Coverage** global



**Resolution** 6-minute (0.1 degree) minimum



**Number of parameters** 500+



**Embed high-resolution models** ✓



**24/7 expert support** ✓



**Outputs** Points, lines/segments, areas, timeseries, map vector layers (per Gijs comment), 2D wave spectra, spectral plots

## 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.