

MARINE WEATHER API

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



Access metocean weather content where you need it most.



Marine Weather API (Application Programming Interface) 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.

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 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.

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 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