

Port & Terminal Weather Service

How to Save Costs and Increase Revenue

Our experienced meteorologists all over the world use advanced analytics and recognized models. StormGeo's Ports Service provides the tools to assess weather risks and reduce costs by accurately identifying potential disruptions and clearly visualizing operational weather windows for specific activities.

/01

Not One-Size-Fits-All

Each port has unique conditions and we strive to understand these to help you meet your goals. Whether you're dealing with wind, currents, snow squalls, lightning or tropical storms, we'll give you the information to help you make the best decisions.

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Understand the Bigger Picture

We know that you often have to keep an eye out for conditions beyond your port, so we monitor the weather and sea conditions in transit areas to be able to predict how incoming traffic is affected.

Port & Terminal Weather Service is Designed to Assist:

- Port Logistics: Plan operations in and around the port (e.g crane operations, loading, fueling)
- Port Authority Vessel Traffic Services: Manage vessel operations in and out of the port (e.g berthing operations and pilot operations)
- Shipping companies: Planning of operations such as weather sensitive loading/unloading or changing vessel speed or port of call to maximize efficiencies in adverse weather conditions.

Complete Decision Support

StormGeo's Ports Service helps port users to reduce weather uncertainties, improve the planning of their operations and make informed decisions in order to know when, where and for how long weather conditions will allow for safe operations.

Global Multi-location Overview and Location Alerting

Through an easy-to-navigate dashboard in your dedicated web portal, you can see all operated ports, monitor major weather threats that StormGeo has identified, monitor potential operational disruptions and track vessel movement.



The overview page of the web portal presents a map with the port locations overlaid on forecast charts that can be animated up to 10 days ahead, also including live lightning visualization, radar images and satellite views. The chart allows zooming and panning.

Weather Risk Dashboard – More Than Just a Forecast

In addition to the standard forecast information, StormGeo goes one step further by matching forecast weather conditions to individual port operations or vessel-specific thresholds, identifying operational weather windows.

- The decision support tool is displayed in an intuitive “ traffic light” format in the web portal.
- Allows port stakeholders (whether weather trained or not) to identify at a glance any restrictions to operations out to 5 days ahead, and then plan accordingly.

The StormGeo web portal monitors all your asset locations, detects adverse weather situations and helps identify suitable weather windows.

Port Services Include a One-Stop Shop Web Portal Containing:

- Map overview with locations and overlay of weather parameters
- 5 to 7-day forecast in table or graphic format – containing both atmospheric and oceanic data
- Tides, surge and sea current forecasts
- Weather Risk Dashboard based on specific thresholds
- Email delivery of forecasts
- 24/7/365 Marine Forecaster Support
- No restrictions on numbers of user logins to web portal or email recipients

Optional Services Include:

- Operative weather alerts
- Presentation of site measurements/ observations
- Daily video brief
- TropicsWatch (severe weather monitoring from our global hurricane center)
- AIS tracking of vessels
- Route forecasting
- Historic data

| | Friday | | | | | | | Saturday | | | | | | | | |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 06:00-09:00 | 09:00-12:00 | 12:00-15:00 | 15:00-18:00 | 18:00-21:00 | 21:00-00:00 | 00:00-03:00 | 03:00-06:00 | 06:00-09:00 | 09:00-12:00 | 12:00-15:00 | 15:00-18:00 | 18:00-21:00 | 21:00-00:00 | 00:00-03:00 | 03:00-06:00 |
| Container | Yellow | Green | Green | Green | Yellow | Red | Red | Red | Red | Yellow | Green | Green | Green | Yellow | Red | Red |
| General Cargo | Green | Green | Yellow | Red | Yellow | Green |
| Container Crane DC4 | Green |
| Container Crane CC5 | Green |
| General Wind | Green |
| General Visibility | Green |
| Marine Operations | Green |

Our services allow you to:

- ➔ Ensure optimal planning for timely, safe and cost-efficient logistics solutions
- ➔ Minimize losses due to weather downtime
- ➔ Optimize vessel operations round trip