



# Port and Terminal Weather Service

## *How to save costs and increase revenue*

Our experienced meteorologists worldwide 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 visualize operational weather windows for specific activities.

### **The 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**

Global port operators or shipping companies can, through an easy-to-navigate dashboard in their dedicated web portal, see all operated ports, monitor major weather threats that StormGeo has identified, monitor potential operational disruptions and track vessel movement.

### **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 presented 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.



**Port services includes a one-stop shop web portal containing:**

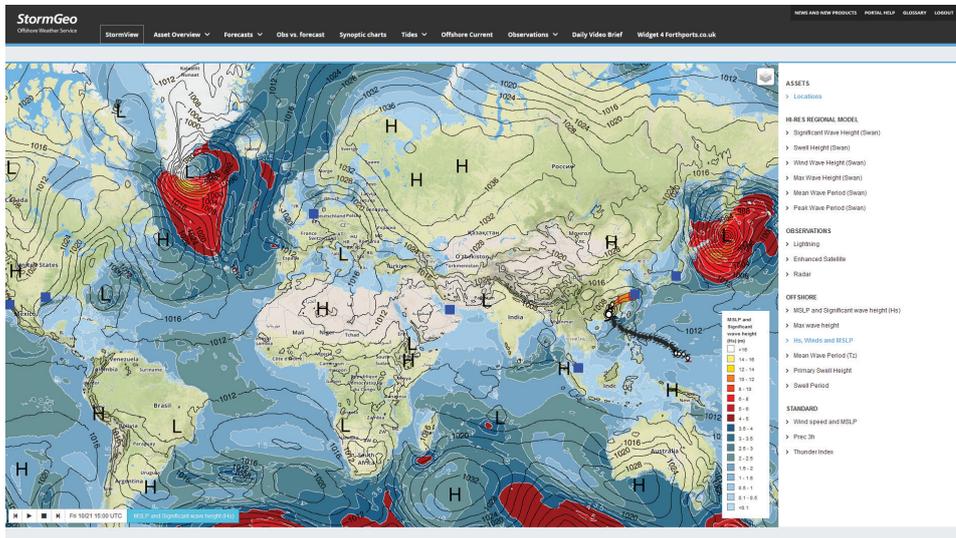
- Map overview with locations and overlay of weather parameters
- 5 to 7 day forecast in table or graphic format - containing both atmospheric and oceanic data
- Tides, surge and sea current forecasts
- Weather Risk Dashboard based on specic thresholds
- E-mail delivery of forecasts
- 24/7/365 Marine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

WEATHER RISK ASSESSMENT		Fri							Sat							Sun					
Locations		06:00	09:00	12:00	15:00	18:00	21:00	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00	03:00	06:00	09:00	12:00	15:00
GRANGEMOUTH	Container	Yellow	Green	Green	Green	Yellow	Red	Red	Red	Red	Red	Yellow	Green	Green	Green	Red	Red	Red	Red	Red	Red
	General Cargo	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Container Crane GC4	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	Container Crane GC5	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
	General Wind	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green
OFFSHORE FORTH	General Viability	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	Marine operations	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	

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



*Ports Services Web Portal 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 lighting visualization, radar images and satellite views. The chart allows zooming and panning.*

**The result:**

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