

Today's extreme weather events affect different port operations in many ways. If extreme weather is not considered, ports can face extreme costs in many ways as well.



Personnel safety for port officers and operators of container yards, cranes, and trucks



Economic losses for terminal operators, shipping companies, carriers, and port authorities.



Maritime industry impacts, including port delays, closures, or reputational loss

#### Why are weather-related incidents still happening?

One of the biggest factors is the lack of high-quality weather data for decision-making. Without proper weather preparedness, individuals and teams lack the information needed to make timely decisions when extreme weather is on the rise. Other data-related reasons include:



### How to ensure weather data access throughout ports

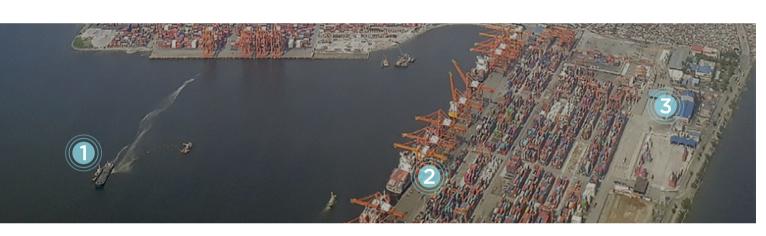
Weather stations strategically placed in different locations throughout ports can provide hyperlocal weather data immediately. Combining several stations to create a comprehensive weather network is crucial to maintaining port operations.

Recommended weather station placement:

Onboard observation and forecast monitoring

**Container terminal** meteorological station

**Terminal office observation** and forecast monitoring



Recommended weather data to collect for the full picture:



**Wind** 



**%** Humidity



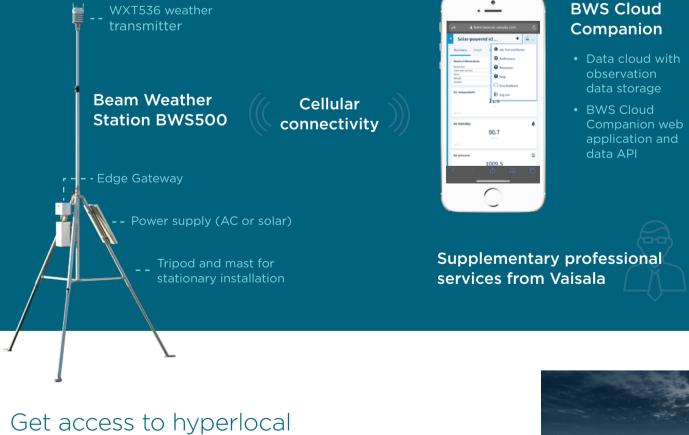




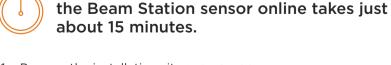
# Vaisala Beam Weather Station BWS500

A simple and affordable weather observation station that provides an economical and reliable way to get distributed, high-quality weather measurements. Beam Station provides immediate access to professional quality weather observation data — everywhere. The compact weather station provides best-in-class measurements for the 6 most critical factors for ports — all in one package.

# What's in the station?



## weather data — immediately. After the site is ready, installation and getting



about 15 minutes. 1. Prepare the installation site (pole, electricity)

- 3. Install the gateway and power supply unit
- 4. Connect the cables between the power supply, gateway, and weather transmitter

2. Install the weather transmitter

- 5. The data will be accessible online within minutes

Stay in command of your ports — and the weather.

Contact Vaisala for more information and to get started.



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