Port and coastal monitoring weather awareness

To tackle the growing threat of extreme weather events, ports and Vessel Traffic Service (VTS) operators should focus on four key strategies

Optimize weather observations

Improve data coverage by deploying cost-effective, portable weather stations in strategic locations to address data gaps.

Enhance wind data

Mitigate the risks of wind-related incidents by utilizing remote wind sensors and scanning lidar to provide precise 3D wind data.

Implement weather nowcasting

Ensure ships are prepared for sudden weather changes by using hyperlocal nowcasting that combines data sources for optimized operations.

Ensure data consistency

Overcome data inconsistencies by establishing a network of sensors that offer accurate, real-time, hyperlocal weather data and timely alerts, bolstering resilience for ships and ports.

vaisala.com/maritime