Port modernization for climate resilience

VAISALA

Legacy practice	Modern alternative
■ Forecasting from national weather services or news	■ Hyperlocal nowcasting that combines many data sources
■ Single-function, traditional wind or weather stations	■ Comprehensive, highly accurate weather stations measuring all key weather parameters
■ Manual (or non-existent) data processing, sharing, and alerting	■ Instant, cloud-enabled data management and alerting
■ Generalized port-area weather awareness	■ Full dome of awareness capturing different weather behaviors for different infrastructures / locales
■ Difficult decision-making made on long time scales	■ Up-to-the-second decision-making using trustworthy, objective information
■ Single weather station	■ Broad network of weather stations covering the port area with surroundings

Modernization allows ports to adopt a proactive approach to climate change, optimize operations, enhance safety, and manage risks related to extreme weather with proven and cost-effective weather solutions.