



- International maritime traffic causes more than 50,000 premature deaths every year in Europe alone (Centre for Energy, Environment and Health)
- Air quality at ports has been the #1 priority since 2013 (ESPO environmental report, 2019)

Emissions from vessels, truck traffic, and operations are just a few sources of air pollution. But since actual emission sources and amounts are not known, it's very difficult to make improvements.

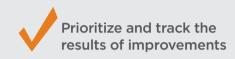
# The solution:

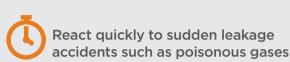
Set up a real-time air quality monitoring system.

An air quality monitoring system is essential for understanding and mitigating port emissions.

Use the data in your air quality monitoring system to:







#### Consider the weather

Weather conditions have a strong impact on air quality, so you need both air quality and weather sensors in your monitoring system.

### How weather affects air quality









# Vaisala has the solution



- Air quality sensors
- Weather sensors
- Network and data management system

## The cycle: measure to improve



## The benefits

The benefits of an air quality monitoring system go far beyond cleaner air.

- **Strengthen** community and stakeholder transparency

• Improve health for workers and surrounding communities

- **Justify** current and future improvement measures
- **Reinforce** ports as the cleanest way to transport goods



