



# Where IoT meets the Port of The Future

## PIXEL PORTS

Port IoT for Environmental Leverage

Reduction of **environmental impact** of port activities

Improvement of logistics through data analytics over **waiting time for vessels, on-time performance**

Adoption of a **Port Environmental Index as a global quantitative measure** to monitor and act on own environmental footprint



Reduction of **operational and infrastructural costs** with better Port-City integration

Increase of **renewables energy uptake** in small, medium and large ports

**Heterogeneous information hub** tailored for interoperability over limited data **interchange of Port Community Systems (PCS)**

**Today's environmental challenges** must fit real global needs, enhanced by legislation and standards - Ports need clear understanding of their **overall environmental performance**

Emissions to the atmosphere

Emissions of wastewater

Noise emissions

Production of waste

Light pollution

Odour emissions

PEI is a global indicator of the impact in ports that permits the ports to have a **real-time measure of their environmental footprint and to plan actions** to reduce it to desired levels



  
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