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