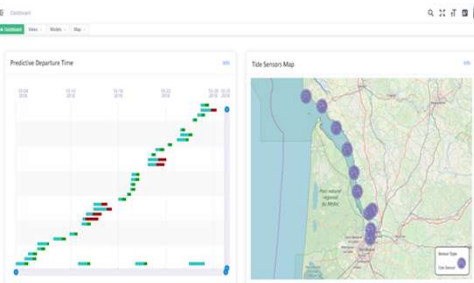
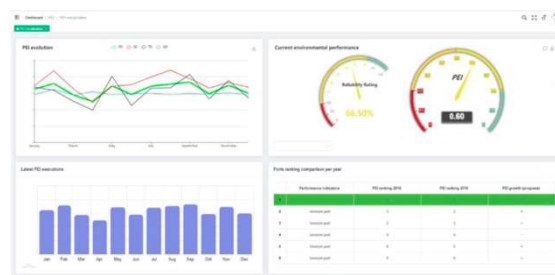


# PIXEL PORTS ASSOCIATION

## Where IoT meets the Port of the Future



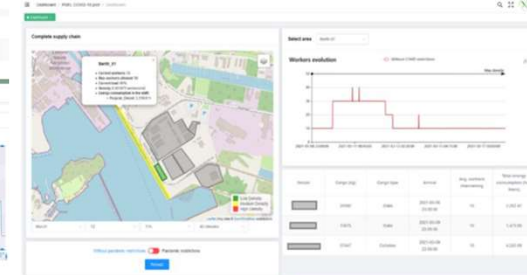
First **IoT integrated platform** focused on the real needs and limitations of small and medium ports, scalable to large ports



Monitored Real-time **Environmental Performance** as a quantitative composite indicator computed from the IoT infrastructure



**Data-driven** optimization of operations through **smart models** (energy, pollution, port calls and multimodal transport and COVID19 planning)



**Secured dashboard** with **Big Data Engine** and **Plug'n'Play IoT data acquisition agents** with templates and custom framework



**Joao Costa, Innvation Manager**  
Blueware Slovenia 2022



The Project has received funding from the European's Union Horizon 2020 research innovation program under GA No. 769355

# XLAB MARITIME DATA ANALYTICS



Intelligent road traffic modelling and predictions for a **greener and more efficient port-city relation**



Powerful AI algorithms improving business intelligence from **Maritime Data Analytics** from vessel calls and AIS



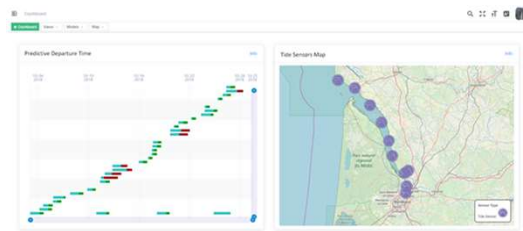
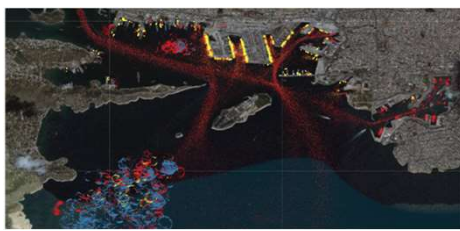
Comprehensive and flexible **Big Data Information Hub** with APIs for 3<sup>rd</sup> party integration



Automatic feature identification from **Low-cost Satellite Image** based on own machine learning



Easy and meaningful **interactive dashboard & alerts** with potential to Port Community System (PCS) integration



**Joao Costa, Innvation Manager**  
Blueware Slovenia 2022



The Project has received funding from the European's Union Horizon 2020 research innovation program under GA No. 769355

Port

Arrival time

Last year

Vessel type

Status

Active

Finished

All

Refresh data

| Vessel Type      |       |
|------------------|-------|
| All              | 49940 |
| Unknown          | 1302  |
| Reserved         | 21    |
| Wing In Ground   | 2     |
| High-Speed Craft | 50    |
| Special Category | 31585 |
| Passenger        | 4166  |
| Cargo            | 8450  |
| Tanker           | 4043  |
| Other            | 321   |

| Status   |       |
|----------|-------|
| All      | 49940 |
| Finished | 49940 |

|  |  | List       |                    |                  |             |                  |                  |             |             |                   |               | Summary  |  |
|--|--|------------|--------------------|------------------|-------------|------------------|------------------|-------------|-------------|-------------------|---------------|----------|--|
|  |  | PORT NAME  | SHIP NAME          | VESSEL TYPE      | VESSEL SIZE | ARRIVAL TIME ↓   | DEPARTURE TIME   | TIME MOVING | TIME MOORED | TIME IN PORT AREA | TIME ANCHORED | STATUS   |  |
|  |  | Piraeus    | KAPETAN MICHALIS   | Tanker           | 0.00 m      | 31.12.2021 23:26 | 31.12.2021 23:36 | 00h09min    | 00h00min    | 00h09min          | 00h00min      | Finished |  |
|  |  | Piraeus    | ALEXANDROS         | Special Category | 27.00 m     | 31.12.2021 22:42 | 02.01.2022 10:31 | 01h30min    | 1D 10h18min | 1D 11h49min       | 00h00min      | Finished |  |
|  |  | Trieste    | DAVIDE             | Special Category | 32.00 m     | 31.12.2021 22:18 | 01.01.2022 07:23 | 00h22min    | 08h42min    | 09h04min          | 00h00min      | Finished |  |
|  |  | Trieste    | TAUR               | Special Category | 30.00 m     | 31.12.2021 22:05 | 01.01.2022 06:55 | 00h25min    | 08h25min    | 08h50min          | 00h00min      | Finished |  |
|  |  | Piraeus    | PILOT BOAT PY55    | Special Category | 14.00 m     | 31.12.2021 22:03 | 31.12.2021 22:40 | 00h36min    | 00h00min    | 00h36min          | 00h00min      | Finished |  |
|  |  | Piraeus    | IOSIF K            | Cargo            | 133.00 m    | 31.12.2021 20:47 | 03.01.2022 14:58 | 00h28min    | 2D 17h37min | 2D 18h10min       | 00h04min      | Finished |  |
|  |  | Monfalcone | BREMEN             | Special Category | 31.00 m     | 31.12.2021 20:23 | 01.01.2022 09:01 | 38s         | 00h00min    | 12h37min          | 12h37min      | Finished |  |
|  |  | Trieste    | DELFINO VERDE GOLD | Passenger        | 27.00 m     | 31.12.2021 20:10 | 01.01.2022 10:33 | 00h54min    | 13h28min    | 14h23min          | 00h00min      | Finished |  |
|  |  | Piraeus    | MED DENIZLI        | Cargo            | 152.00 m    | 31.12.2021 19:40 | 02.01.2022 06:17 | 00h20min    | 1D 10h17min | 1D 10h37min       | 00h00min      | Finished |  |
|  |  | Piraeus    | IFESTOS 2          | Special Category | 30.00 m     | 31.12.2021 19:37 | 01.01.2022 07:07 | 00h39min    | 10h50min    | 11h29min          | 00h00min      | Finished |  |
|  |  | Piraeus    | LEON               | Special Category | 34.00 m     | 31.12.2021 19:26 |                  | 00h14min    | 00h00min    | 00h14min          | 00h00min      | Finished |  |
|  |  | Trieste    | OCEAN 3            | Unknown          | 18.00 m     | 31.12.2021 19:13 | 03.01.2022 11:27 | 10h43min    | 1D 19h54min | 2D 16h14min       | 09h36min      | Finished |  |
|  |  | Trieste    | OCEAN1             | Special Category | 17.00 m     | 31.12.2021 19:11 | 31.12.2021 23:34 | 01h09min    | 02h52min    | 04h22min          | 00h21min      | Finished |  |
|  |  | Piraeus    | PANTHER Z          | Special Category | 30.00 m     | 31.12.2021 18:38 | 01.01.2022 10:08 | 00h22min    | 15h07min    | 15h29min          | 00h00min      | Finished |  |
|  |  | Piraeus    | PILOT BOAT PY55    | Special Category | 14.00 m     | 31.12.2021 18:31 | 31.12.2021 19:33 | 00h08min    | 00h00min    | 01h01min          | 00h52min      | Finished |  |
|  |  | Trieste    | OCEAN 3            | Unknown          | 18.00 m     | 31.12.2021 18:22 | 31.12.2021 18:48 | 00h00min    | 00h25min    | 00h25min          | 00h00min      | Finished |  |
|  |  | Piraeus    | VEGA SCORPIO       | Cargo            | 130.00 m    | 31.12.2021 18:20 | 02.01.2022 11:45 | 00h36min    | 1D 16h58min | 1D 17h34min       | 00h00min      | Finished |  |