DEPTHGUARD PORTS & MARINAS

AUTOMATED DEPTH MONITORING

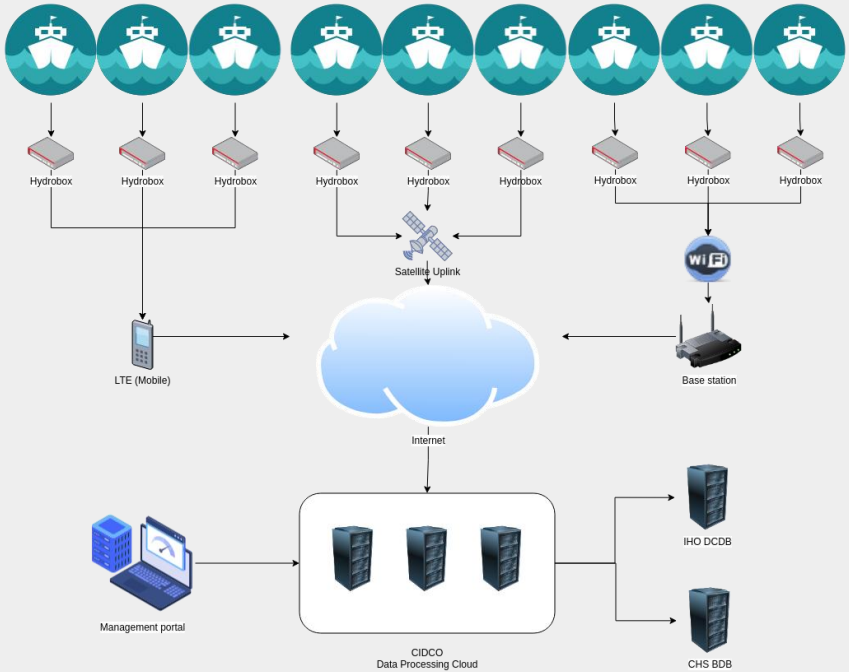
CIDCO

Ocean Riot

OCEAN STARTUP PROJECT | PROJET STARTUP OCÉANS

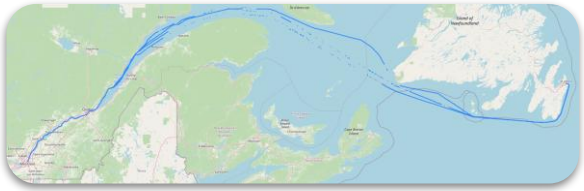
CANADA'S OCEAN SUPERCLUSTER

COLLABORATIVE BATHYMETRY THE OCEAN OF THINGS



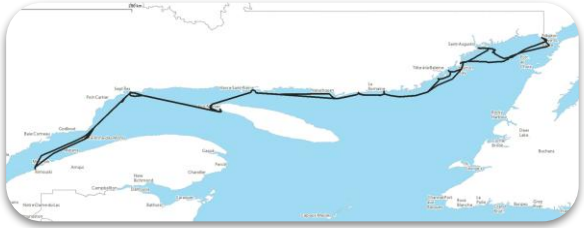
- Fleet of ships equipped with bathymetric dataloggers
- Connected boats acquire oceanographic data
- Big data warehousing through WiFi, mobile or satellite
- Cloud-based map generation

COLLABORATIVE BATHYMETRY: APPLICATIONS

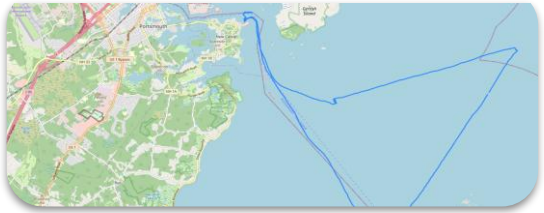


ST-LAWRENCE SEAWAY SURVEILLANCE

FIRST NATIONS TERRITORIES IN BC



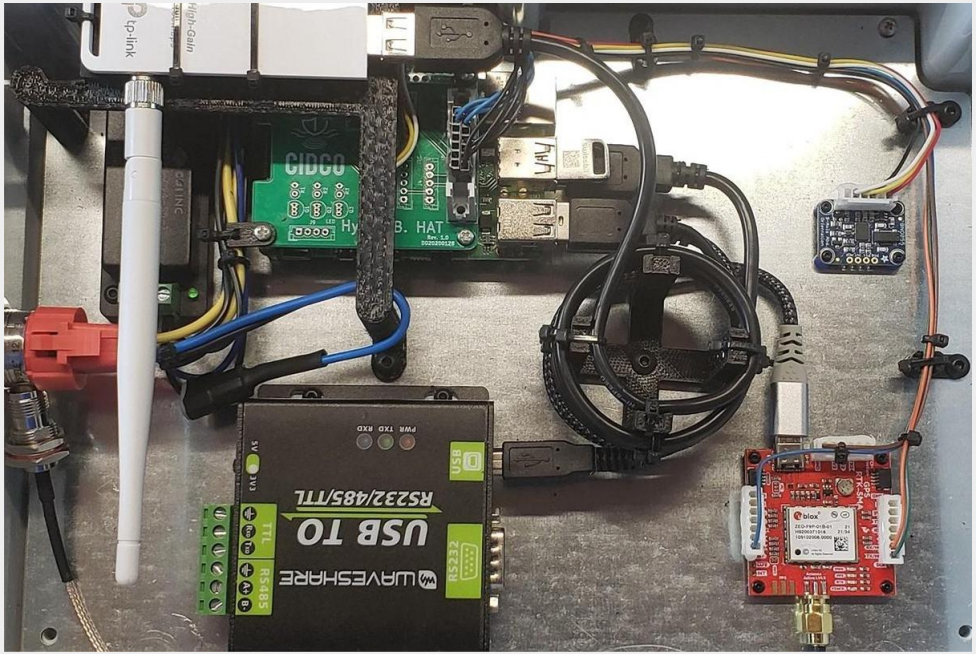
REMOTE UNCONNECTED REGIONS



PORT SHOAL MONITORING

FAR NORTH

MEET THE HYDROBLOCK



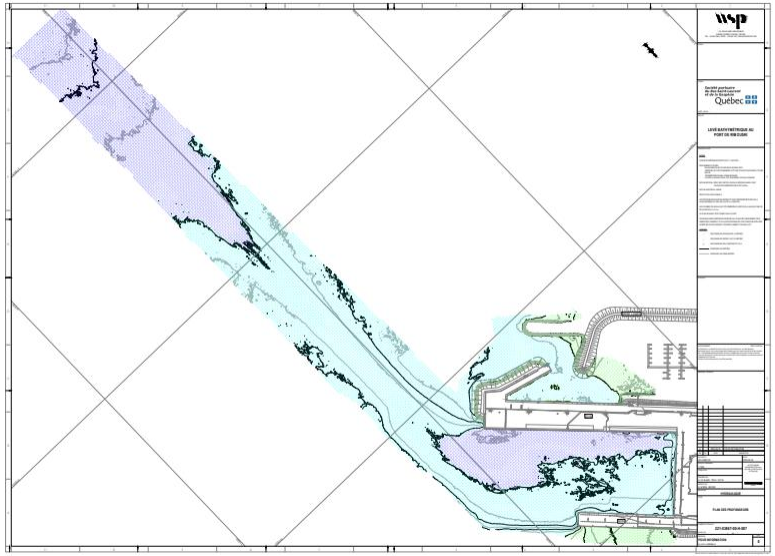
- Permanent Installation
- Records depth, motion and position
- 24/7 data acquisition and encrypted uploads
- Smart data collection compliant with the Law of the Sea

CASE STUDY: PORT OF RIMOUSKI SHOALING

Société portuaire du Bas-Saint-Laurent et de la Gaspésie
Québec

The Port of Rimouski requires a yearly bathymetry to monitor the state of its channel, to order dredging if necessary.

Pilots are constantly concerned about sand dunes in the area.



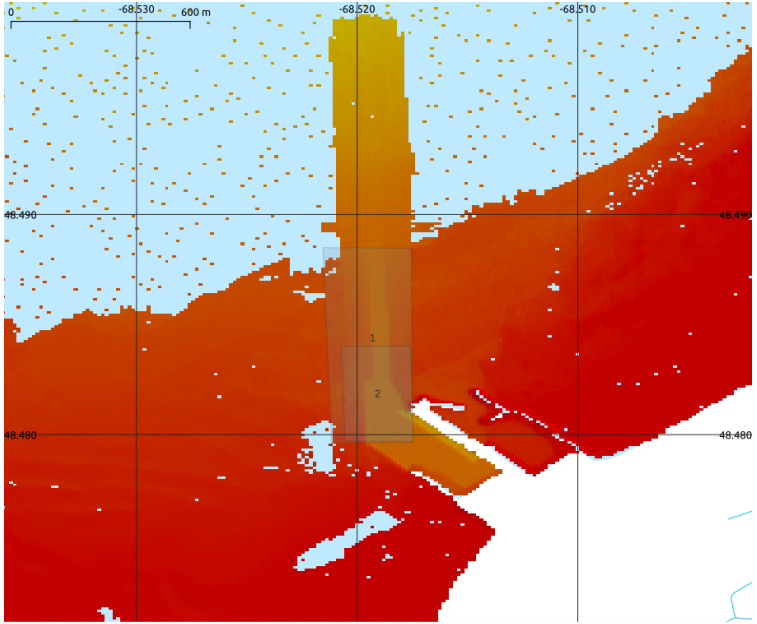
CASE STUDY: PORT OF RIMOUSKI SHOALING

Société portuaire du Bas-Saint-Laurent et de la Gaspésie

Québec

Using an Hydroblock datalogger on a local cargo ship allows weekly spotchecks on the depth of the channel without human intervention.

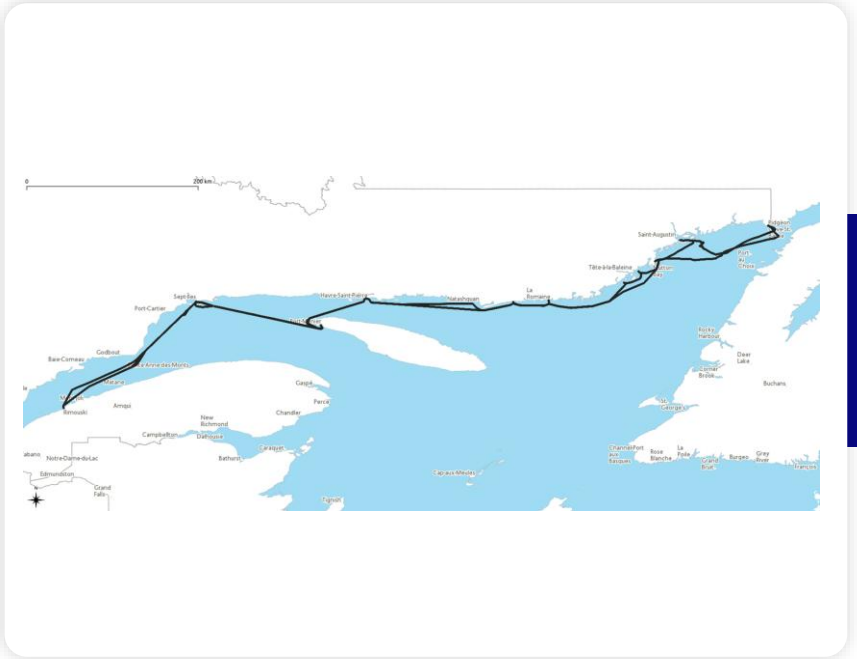
This surveillance process can be entirely automated



CASE STUDY: REMOTE REGIONS OF THE NORTH SHORE

BELLA DESGAGNÉS

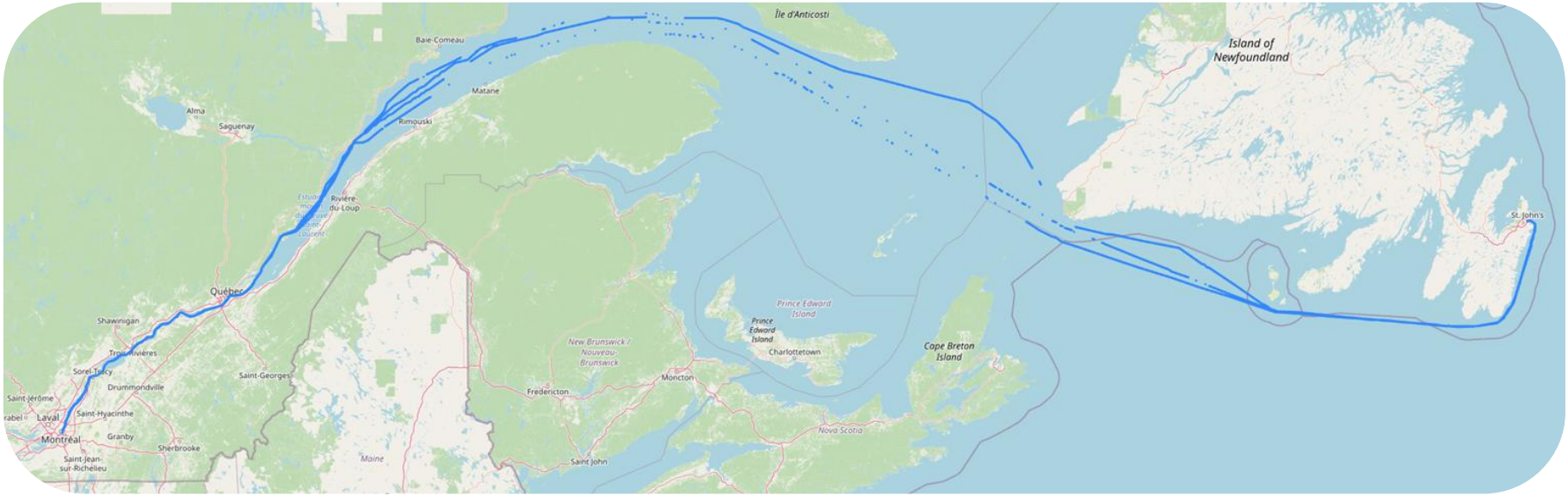
A weekly monitoring loop has been established in the remote communities of the St-Lawrence River's North Shore.



Over 200 days of continuous hydrographic data, and over 40,000+ data products to date

CASE STUDY THE ST-LAWRENCE RIVER SEAWAY

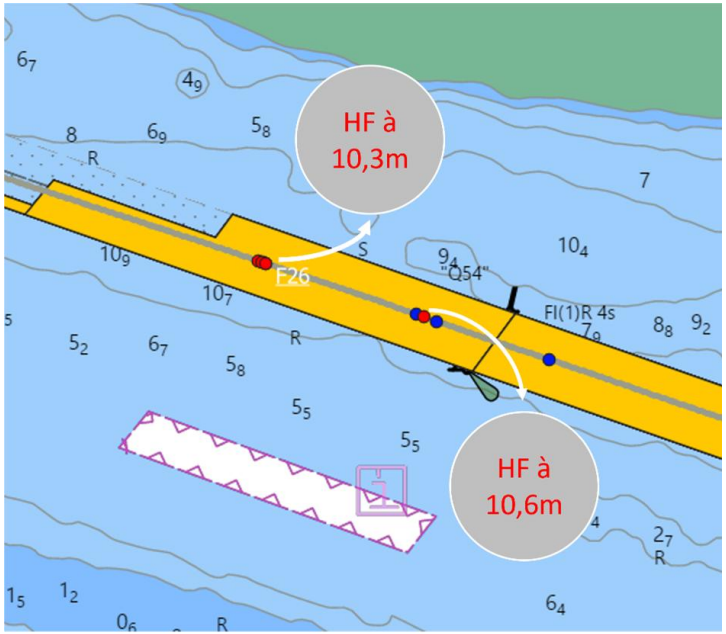
OCEANEX



CASE STUDY: SAND DUNES OF THE ST-LAWRENCE SEAWAY

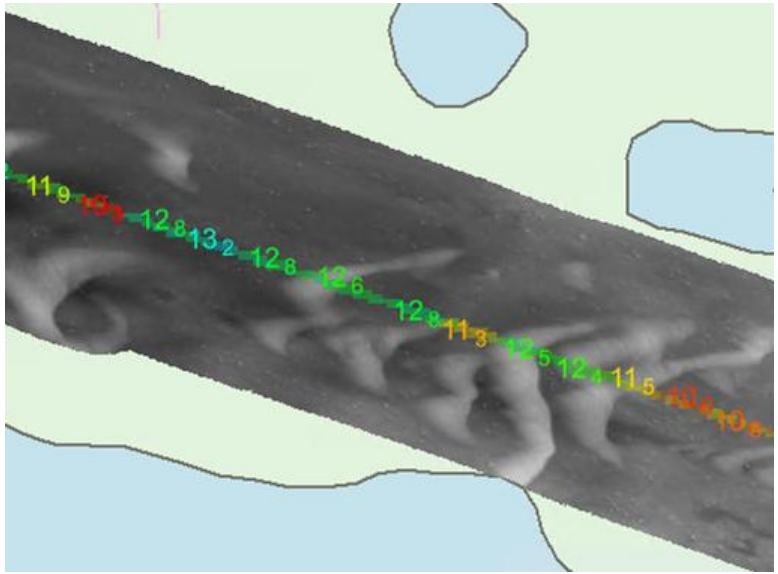
The St-Lawrence Seaway is an artificial channel that requires constant dredging to maintain a safe depth for cargo ships.

This channel cannot be monitored in the winter by the Canadian Hydrographic Service's ships.



CASE STUDY: SAND DUNES OF THE ST-LAWRENCE SEAWAY

Using our technology, the Canadian Coast Guard was able to spot sand dunes violating the minimum depth requirements.



Proactive monitoring ensures a quick response to ensure safety of navigation.

CASE STUDY: INDIGENOUS TERRITORY MAPPING

The DepthGuard technology has been successfully deployed in indigenous communities to provide continuous monitoring of ancestral lands.

Sustainable development is at the core of our role as part of the UN Decade's of Ocean Science

CASE STUDY INDIGENOUS TERRITORY MAPPING

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QIKIQTAALUK CORPORATION
& Group of Companies

ARVIAT HAMLET COUNCIL

CASE STUDY INDIGENOUS TERRITORY MAPPING

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CASE STUDY GEOPOLITICALLY STRATEGIC CHANNELS

Danish Geodata Agency

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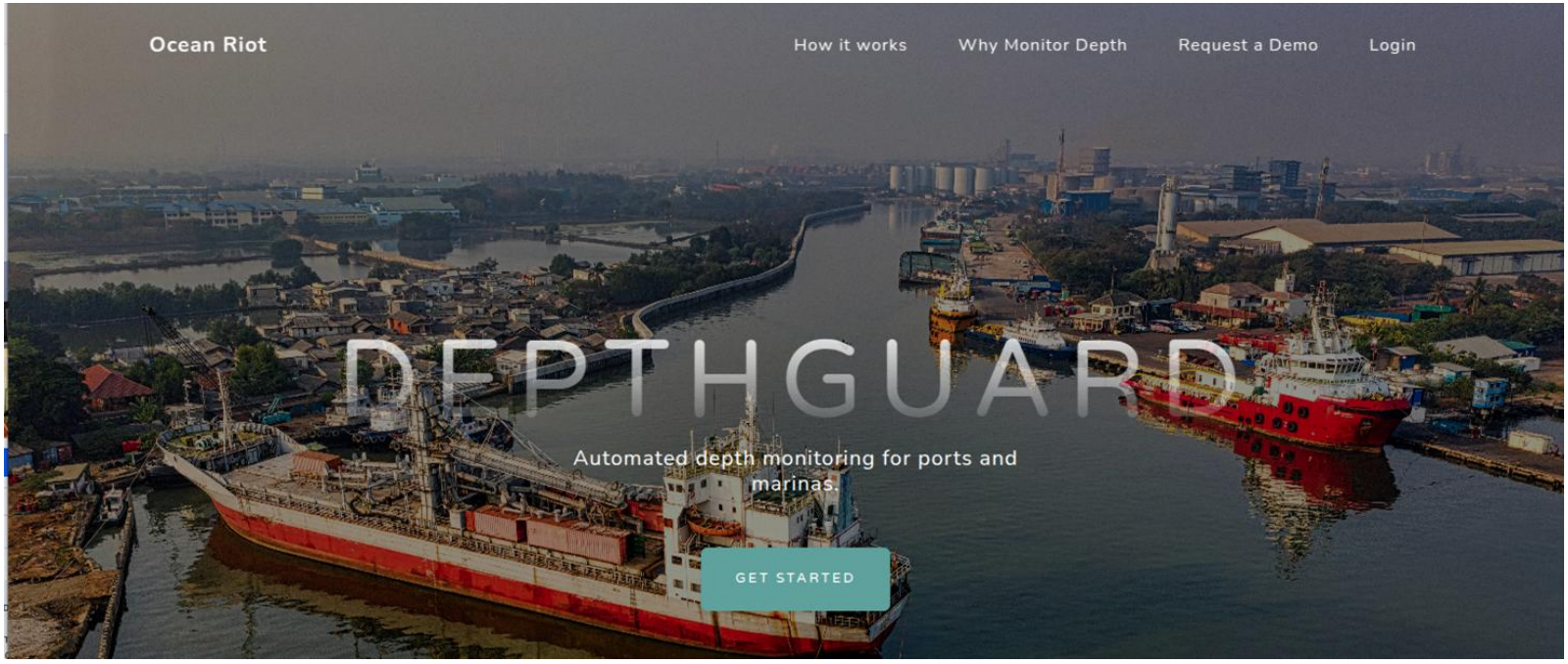
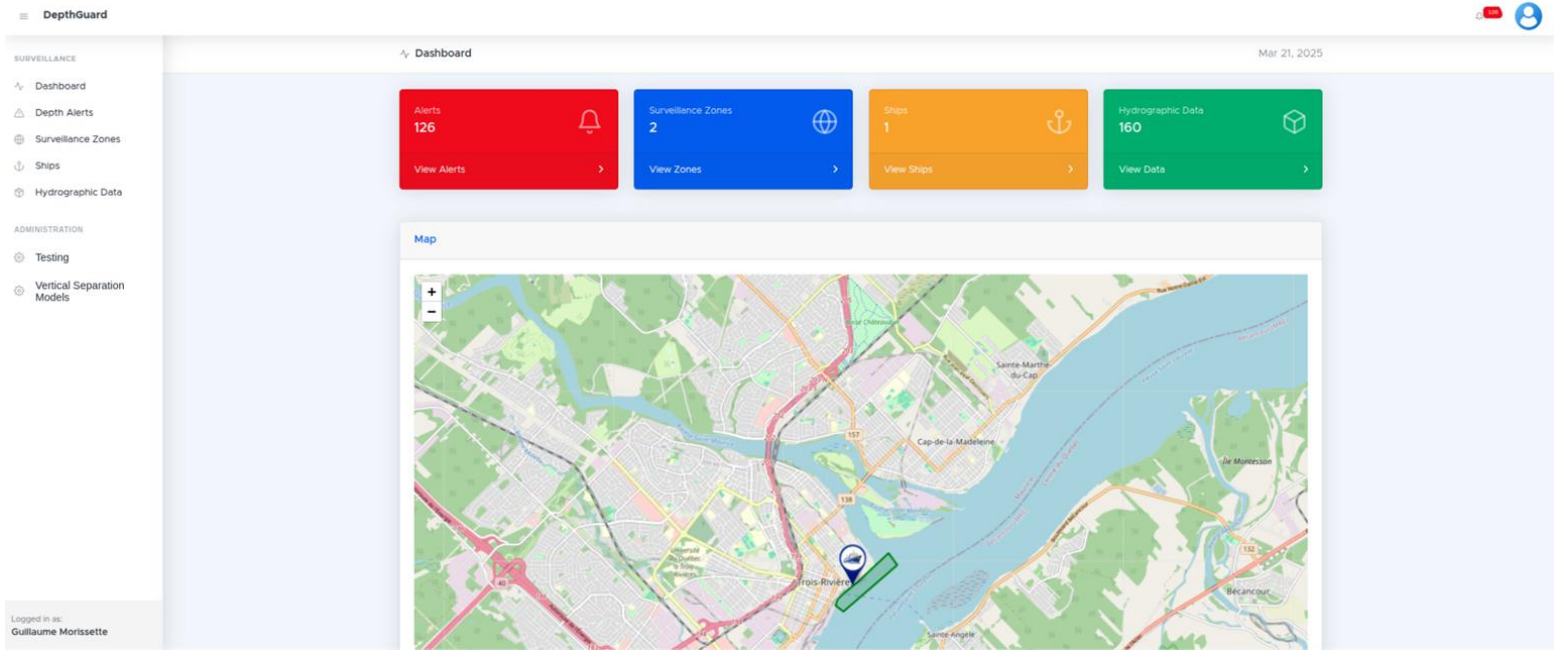
CASE STUDY INTEGRATED PORT DEPTH SURVEILLANCE

Ocean Riot



CASE STUDY INTEGRATED PORT DEPTH SURVEILLANCE

Ocean Riot




Merci
CIDCO
Ocean Riot