



centre for ocean
ventures & entrepreneurship

COVE Overview

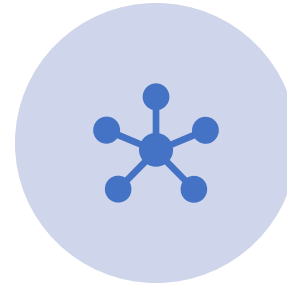
Kyle Burton — Tenant Engagement Manager, Centre for Ocean Ventures and Entrepreneurship (COVE)

COVE Mandate



Infrastructure

World-class facilities and tools.



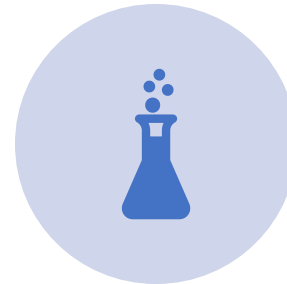
Building Networks

Connecting commercial opportunities.



People Development

Exploring and addressing workforce development issues in the marine industry.



Catalyst — Technology

Fostering innovation and entrepreneurship.



8 acres

12 acre
waterlot

2,850
ft. of docks

50,000
sq ft. of office &
workshop space

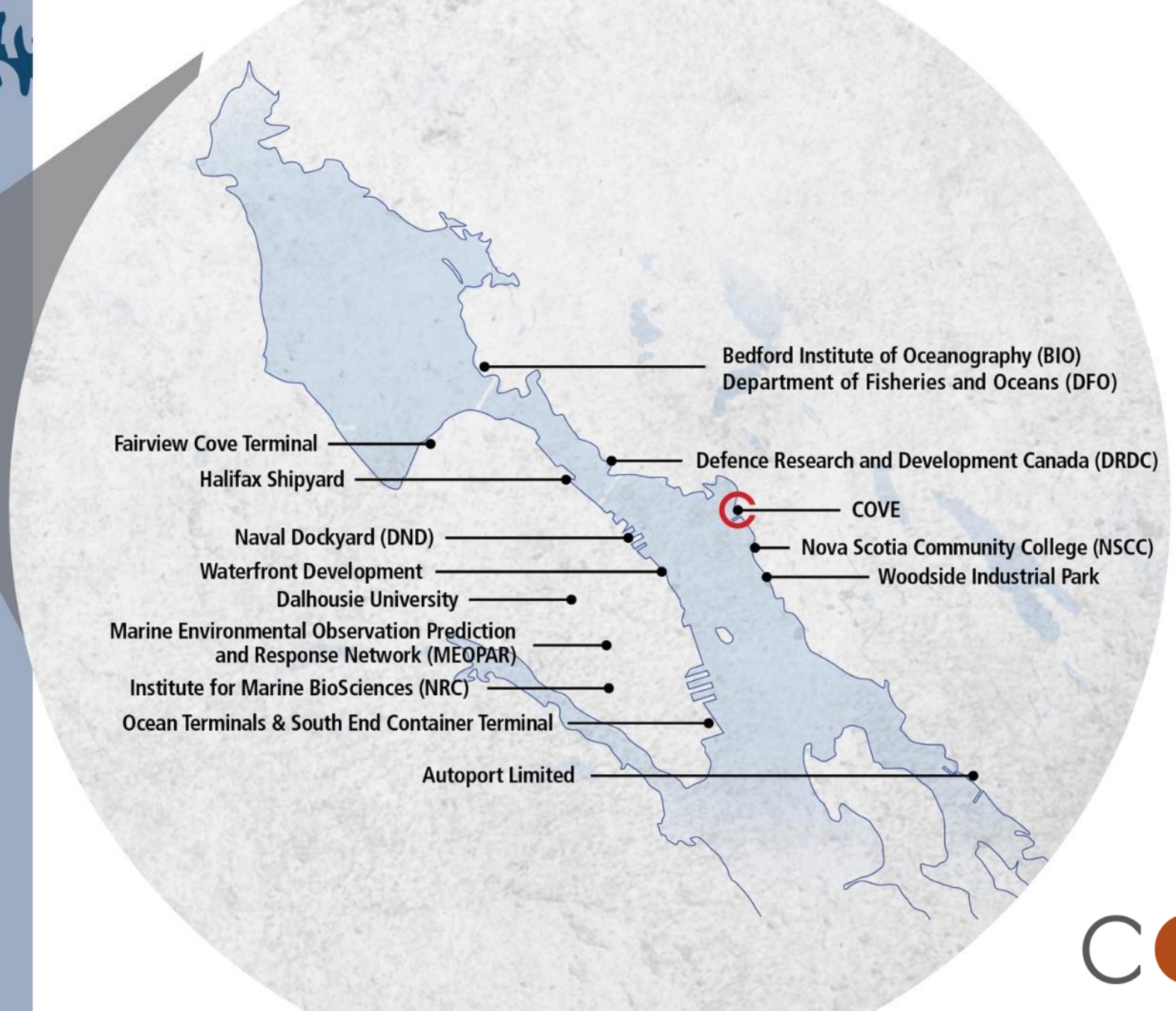


Small Boat Area

North Building

South Building

Wharf Facilities



The COVE Ocean Ecosystem



Kraken Robotics signs \$36M Danish navy contract

Also to supply minehunting systems to Polish navy

September 11, 2020 EP&T Magazine

Kraken Robotics Inc., St. John's, Newfoundland-based designers and developers of ocean-based technology, has signed a contract with Danish Ministry of Defence, Acquisition and Logistics Organization (DALO) to supply mine-hunting sonar equipment to the Royal Danish Navy. This is the first of a series of contracts under the program, Kraken will deliver its mine-hunting sonar equipment to the Royal Danish Navy and the Polish Navy.



COVE tenants collaborate in the Ocean Aware project

Dartmouth Ocean Technologies Inc. and Xeos Technologies Inc. partner to develop new sensor technologies for the aquaculture industry in the Ocean Supercluster Ocean Aware project.



British science vessel RRS James Cook visits HRM

HRM, N.S. — In the pantheon of celebrity visits to HRM, where does RRS James Cook fit in? The answer is, unfortunately, not high. As a result of being internet users for a while, just one of the scientific reports aboard the British Royal Research Ship James Cook, which was berthed at the Centre for Ocean Ventures and Entrepreneurship (COVE) in the Dartmouth waterfront.



The RRS James Cook is berthed at front of the Centre for Ocean Ventures and Entrepreneurship in Dartmouth on Thursday, July 9, 2020. Ryan Lakin

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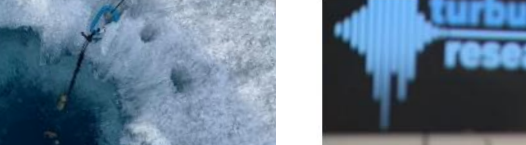
This company helps clear WW II-era bombs off the sea floor to make way for wind farms

PanGeo Subsea is cleaning up the past to make way for the future



A mine weighing nearly 800 kilograms located by PanGeo on the sea floor in the Gulf of St. Lawrence. (Submitted by PanGeo)

Moya Cahill didn't have this kind of boom in mind 12 years ago. She founded PanGeo, an ocean technology company, in St. John's.



Sea Level Rise in the Canadian Arctic

A team of Canadian and American researchers is using RBR temperature and salinity loggers to study how the Arctic's ice shelves are changing over time

University of Victoria researchers have deployed a critical component of their Arctic research project, the RBR temperature and salinity loggers, to study how the Arctic's ice shelves are changing over time. The project is a joint effort between the University of Victoria and the University of Alaska Fairbanks.

Graphite Innovation and Technologies (GIT) Awarded Contract by Transport Canada to Work on a \$2.4 Million (CAD) Project

Halifax, Canada, August 12, 2020 — Graphite Innovation and Technologies (GIT) is happy to announce that it has been awarded a contract to work on a project valued at \$2,400,000 by Transport Canada to investigate a new technology to help reduce the underwater noise and greenhouse gas emissions (GHG) produced by marine vessels.

Marine mammals and fish use hearing as their primary sense and are highly dependent upon sound for navigation, communication, finding food, reproduction, and hazard detection. Underwater noise has steadily been increasing in the ocean environment since the 1950s and is impacting marine fauna. The project will investigate ways to reduce both underwater noise and GHG emissions from small inshore fishing vessels and ways to reduce both underwater noise and GHG emissions from larger commercial fishing vessels.

Dartmouth ocean tech company taps into \$20M innovation project

Maker of underwater listening devices is a supplier in Canada's first Ocean Supercluster project



Chris Loadman, president of Turbulent Research in Dartmouth, N.S., sees big opportunities get involved in the Ocean Supercluster program. (CBC)

A small Dartmouth, N.S., ocean acoustics company will be taking part in the first approved by Canada's Ocean Supercluster, the joint government-industry program developing ocean innovation.

Nova Scotia startup cracks the shell of traditional seafood industry



Novo Scotia startup cracks the shell of traditional seafood industry. The startup is developing a new way to process seafood, which will reduce waste and improve efficiency.

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Making waves in Atlantic Canada's world-class ocean technology sector

From: Atlantic Canada Opportunities Agency

News release

Ocean Technology Council of Nova Scotia expands industry conference; focuses on export development, growing blue economy

Investing in breakthrough ideas helps generate value-added opportunities in ocean industries, create jobs and a more robust economy.

ENTREVESTOR: Dartmouth-based Marecomms Inc. improving underwater communications technology



Vito Gontzaris is founder and CEO of underwater communications technology company Marecomms Inc. based in Dartmouth, Nova Scotia.

Later this year, Vito Gontzaris hopes to have a product on the market that can dramatically improve performance and reduce costs of communications between autonomous underwater vehicles and other submarine equipment.

Five Nova Scotia Start-Ups Selected for Innovacorp's 2020 Accelerate Program

The company will be participating in the 2020 Accelerate Program, which provides startups with access to funding, mentorship, and other resources.

- List of participating startups: Copex Industries, Farnam Fisheries, Nova Fisheries, Halifax, Innovacorp; Dartmouth Ocean Technologies, Amelid Fishing, Viroc Skuban - Dartmouth; Dr. Gordon's Biom Ocean - Dr. A.K. Gordon, Jefferys Haven - Port Williams; Geosight Analytics - James Walsh, Steven Bennett - Dartmouth.

Smart Atlantic Buoys

Applied ocean observation capacity



See www.smartatlantic.ca



An illustration of a modern building complex with a prominent vertical sign that reads 'COVE'. In the foreground, a sensor platform is shown with a cable extending from a building to several sensor nodes on the ground. The background features stylized mountains and a small house on a hill.

Sensor Platform

New Infrastructure Projects at COVE

System Overview

Features
Low Cost
Sensor Agnostic
Analytic capabilities

De-multiplexer
Power Supply
Ethernet Interface



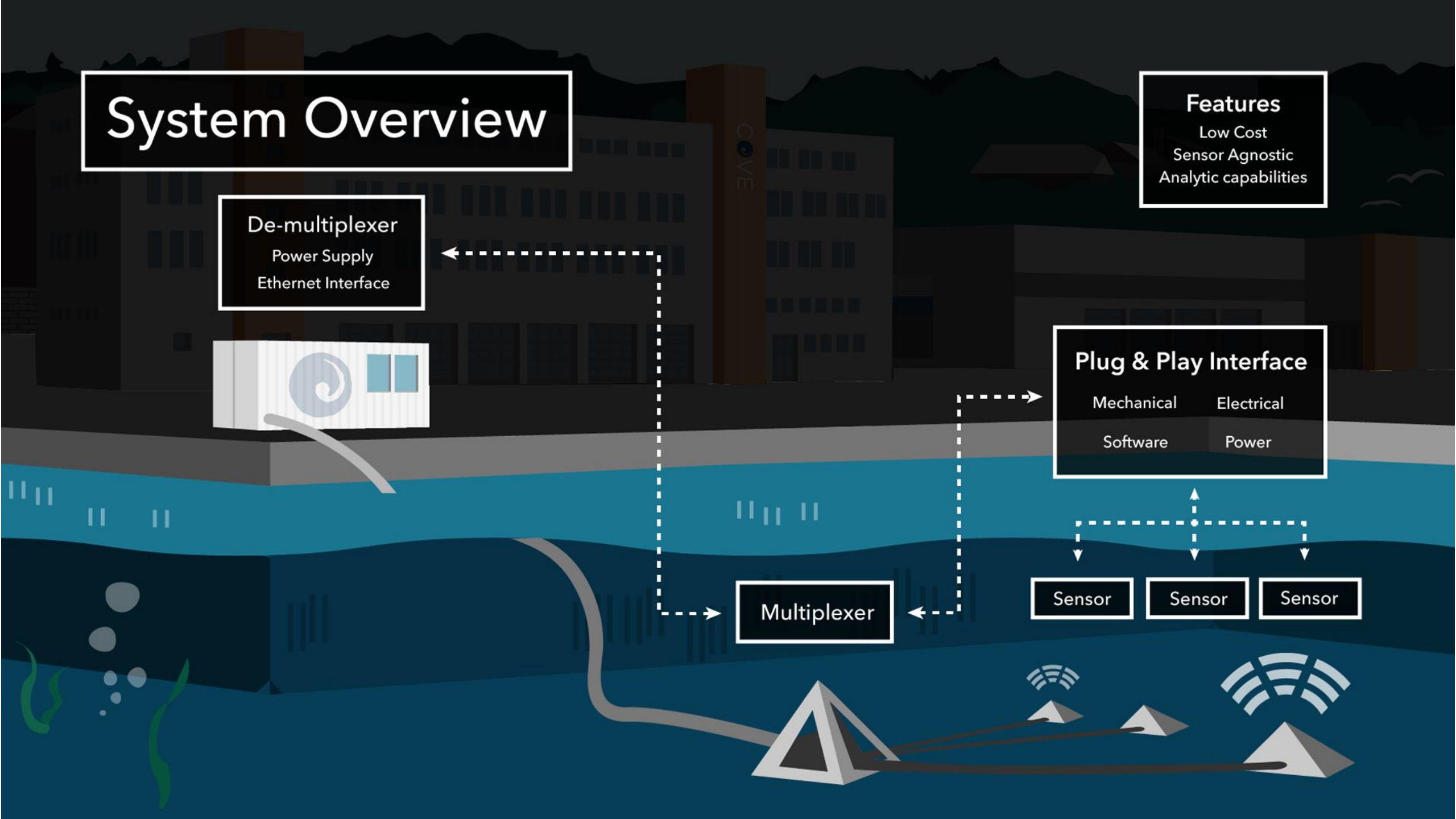
Plug & Play Interface
Mechanical Electrical
Software Power

Multiplexer

Sensor

Sensor

Sensor



Connect with COVE

- All COVE events are “virtual”: reaching out to international hubs, companies and individuals through programming, workshops and networking opportunities.
- Engage with 70+ tenants and the larger Canadian ocean technology community.
- Explore opportunities for partnering, technology commercialization and within the Canadian & North American market.

Get Involved



COVE
JUNE 8, 2021
DEMO DAY
www.coveocean.com/events

OTCNS
OCEAN TECHNOLOGY
COUNCIL OF NOVA SCOTIA

JUNE 9 - 10, 2021
H2O CONFERENCE
www.h2oconference.ca

OCEANS
CONFERENCE & EXPOSITION

Halifax
2024
September 23-26, 2024



Learn more about COVE
and our members:



www.coveocean.com

Connect with COVE:



@Centre for Ocean Ventures
and Entrepreneurship (COVE)



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Thank you

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COVE