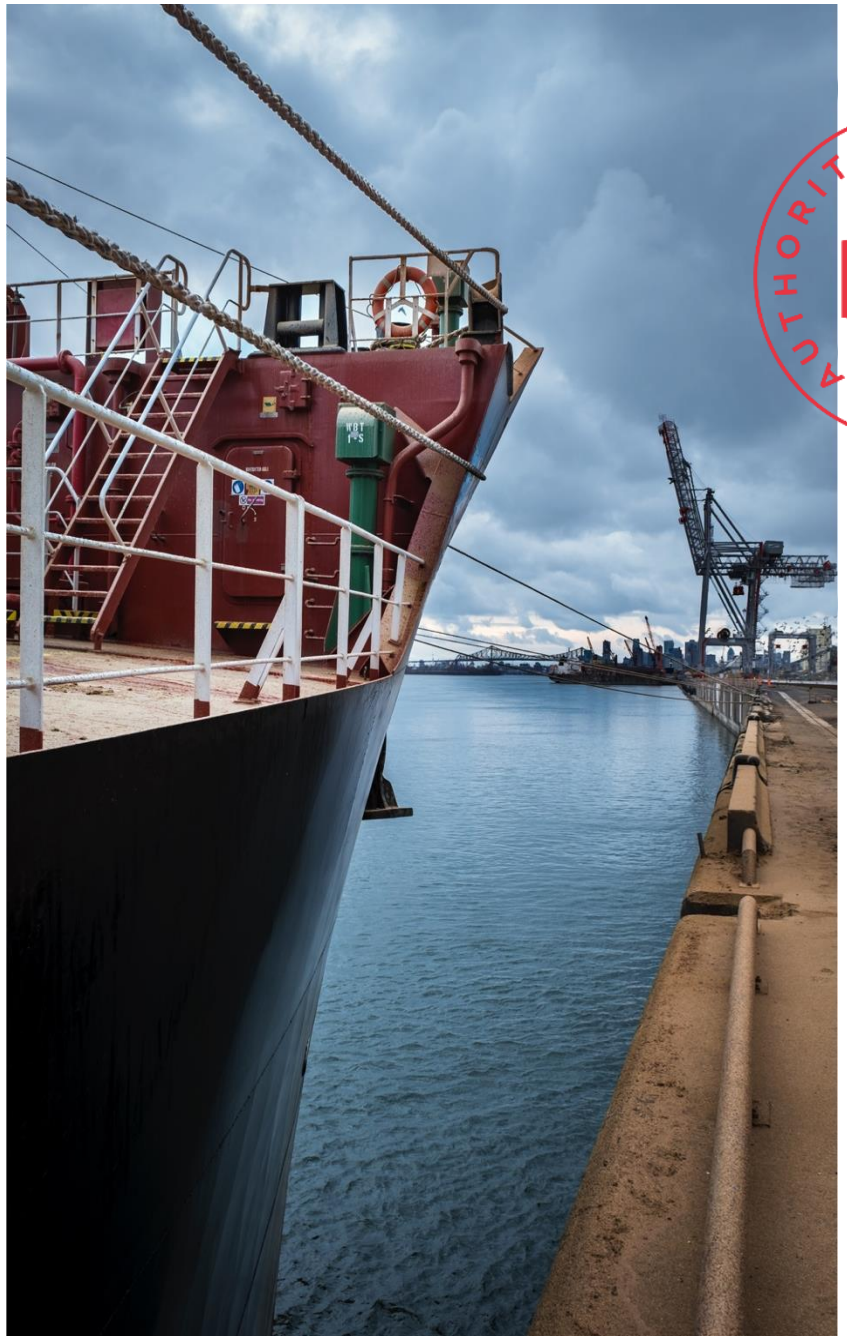


PARTNERSHIPS IN OPEN INNOVATION: NORTH AMERICA'S ONLY PORT LOGISTICS ACCELERATOR

PRESENTED BY DANIEL OLIVIER

MONTREAL, NOVEMBER 2019

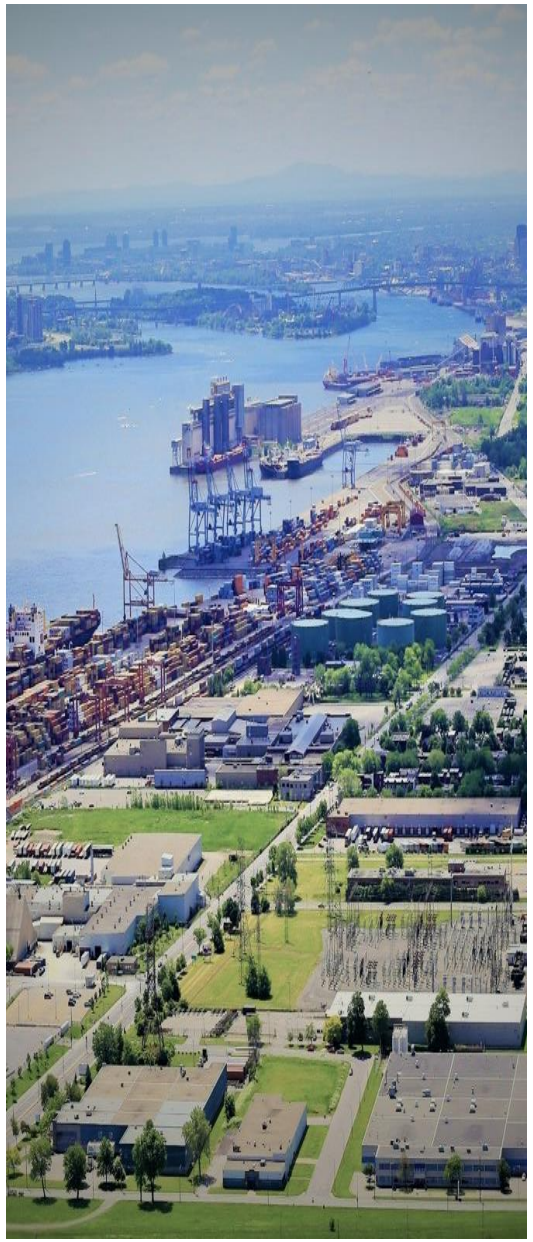
The Chartered Institute of Logistics and Transportation of North America

PORT MONTRĒAL

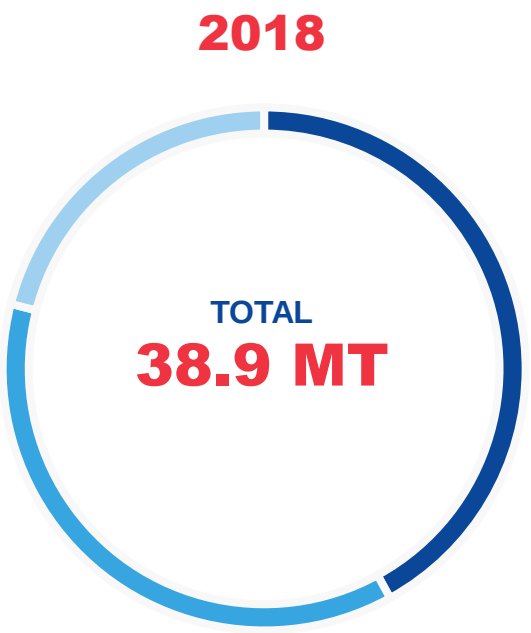
AGENDA

1. PORT OF MONTREAL OVERVIEW
2. SMART PORT VISION
3. OPEN INNOVATION

OVERVIEW



INNOVATION AS DIFFERENCIATOR



LIQUID BULK
16,4 MT
42%
12% GROWTH

CONTAINERS
14,5 MT
1.68 M TEUs
37%
9% GROWTH

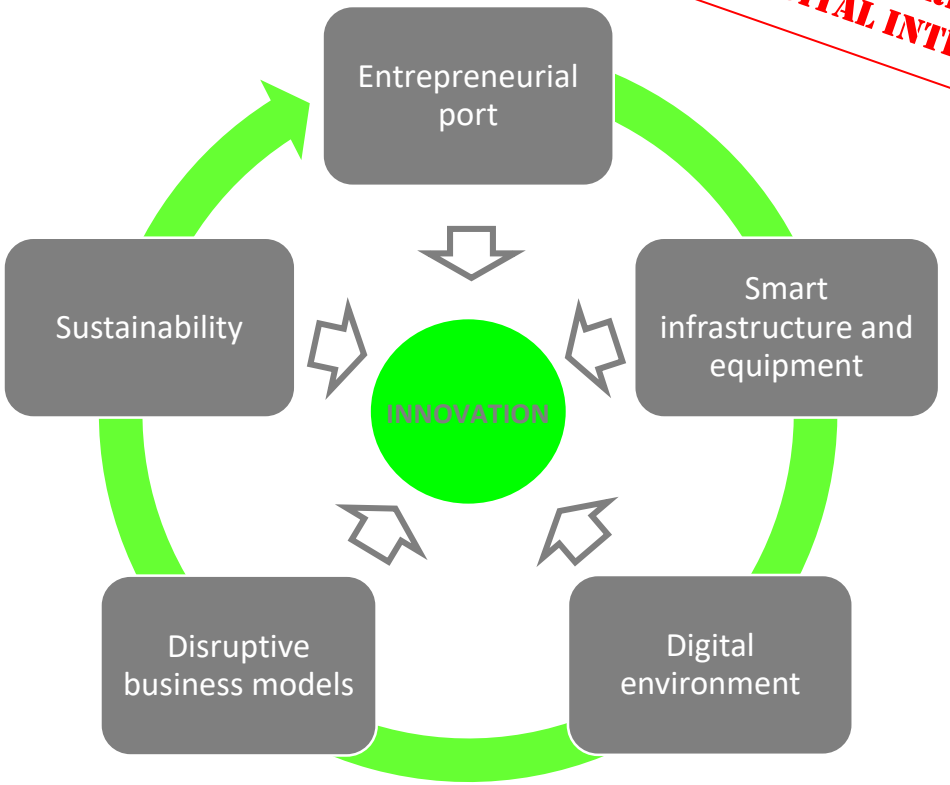
DRY BULK
8,0 MT
21%
- 20% GROWTH

CRUISES
114,518 PASSENGERS
11% GROWTH

SMART PORT VISION

SMART PORT VISION

PORTS MOVING FROM TRADITIONAL INFRASTRUCTURE PROVIDERS TO HUBS FOR DIGITAL INTEGRATED SOLUTIONS



WORLD-CLASS INNOVATION LEADER
MONTREAL PART OF GLOBAL SMART PORT COMMUNITY

CHAINPORT

HUTCHISONPORTS PORT OF FELIXSTOWE

SIPG

MPA SINGAPORE

BPA

PORT MONTRĒAL

Port of Antwerp

THE PORT OF LOS ANGELES

PANAMA MARITIME AUTHORITY

Port of Rotterdam

IPC Energizing Trade. Energizing Indonesia.

Port de Barcelona

HPA Hamburg Port Authority

WORLD-CLASS INNOVATION LEADER

PORT OF MONTREAL FOUNDING MEMBER OF NEW INNOVATION SUPERCLUSTER

- Government of Canada established five **innovation superclusters** across the country
- Montreal supercluster is called **Scale.AI** and is aimed at making Canada a global leader in AI-powered logistics solutions
- **250 millions $** in funding for AI-driven projects to boost competitiveness of Montreal supply chains

https://scaleai.ca/

OPEN INNOVATION: CENTECH PARTNERSHIP

CENTECH
POWERED BY ÉTS

World-class accelerator

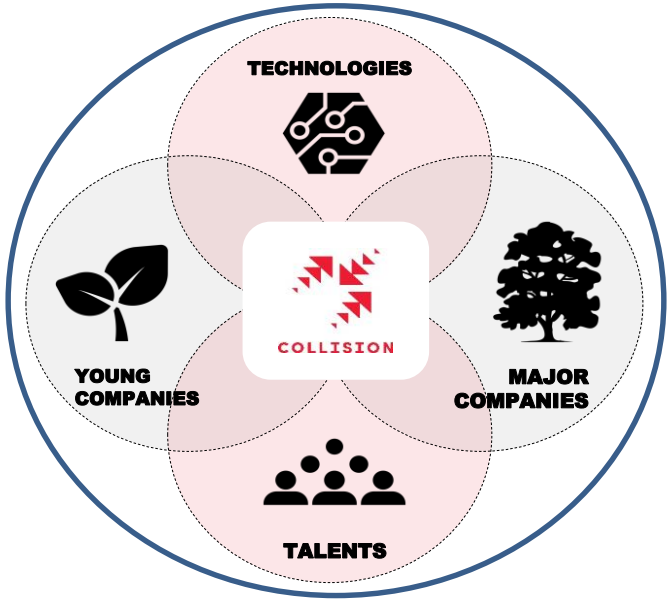
ACCÉLÉRATION

PROPULSION

COLLISION

CENTECH COLLISION PROGRAM

BIG BUSINESS MEETS STARTUPS UNDER ONE ROOF



Port of Montreal contracts with startups on a 4 month cycle to accelerate innovation by introducing scalable digital solutions that address real challenges facing the Montreal cargo community.

Advancing four pillars of innovation:

1. Supply chain visibility and freight mobility
2. Cybersecurity
3. Process improvement and agility
4. Supply chain decarbonization

DEEP TECH TO IMPROVE PORT COMPETITIVENESS

ONGOING PROJECTS

Digital twin

- 3D immersive exeprience of the port supported by augmented reality
- Infrastructure planning tool
- Fire prevention simulations and training tool

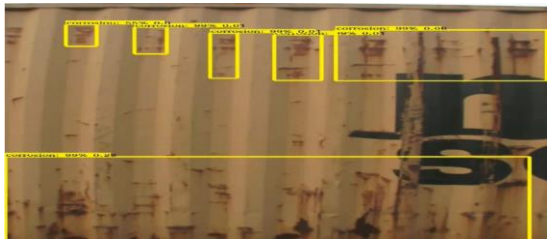
PreVu3D scan • see • share

ARA ROBOTICS

AI-powered container inspection

- Scanning of inbound truck containers for seals, placards, rust, etc. Anomaly detection.
- Facilitate and streamline human verification
- Increase truck fluidity

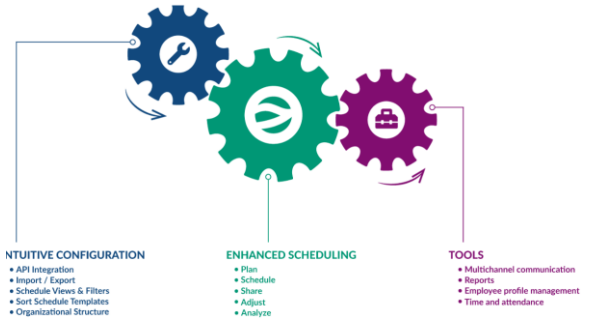
canscan



Automated labor dispatch

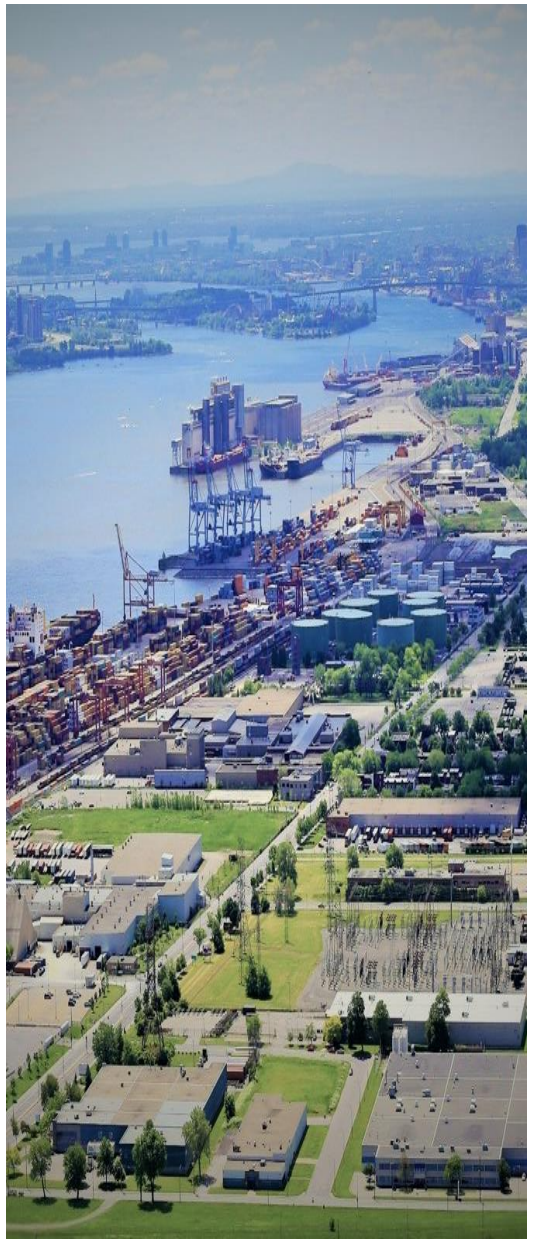
- Application will automatically contact replacement workers to fullfill vacancies
- Pre-programmed labor contract parameters
- Port-wide potential applications

merinio

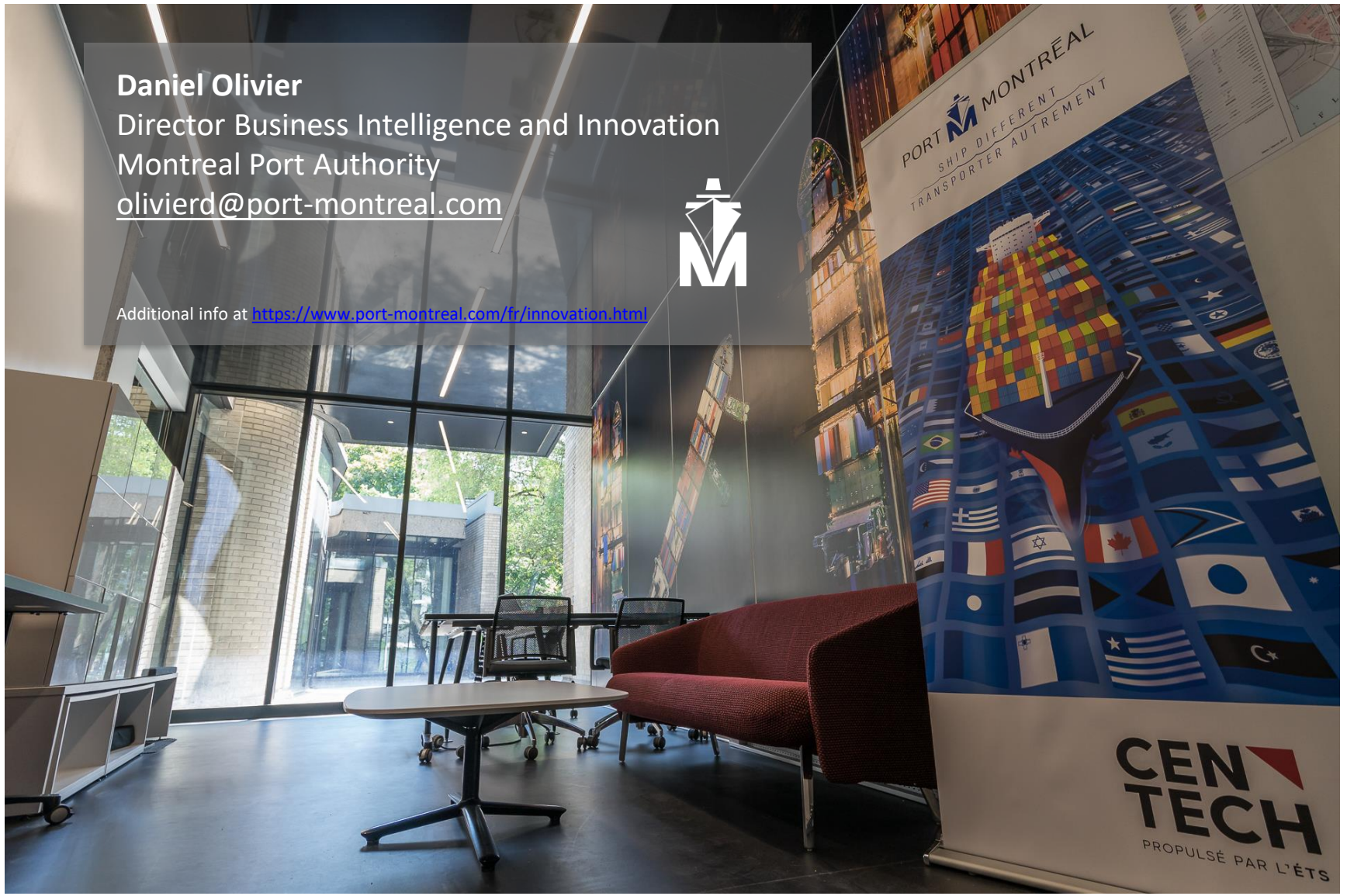


THE PARTNERSHIP

1. ACCELERATE INNOVATION CYCLE
2. ACCESS NEW TALENT POOL
3. ESTABLISHED CREDENTIALS
4. TURN KEY ECOSYSTEM
5. ADVISORY AND TECH EXPOSURE



THANK YOU



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Additional info at https://www.port-montreal.com/fr/innovation.html