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

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AGENDA

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

2018

TOTAL
38.9 MT

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

- Entrepreneurial port
- Smart infrastructure and equipment
- Sustainability
- Disruptive business models
- Digital environment

PORTS MOVING FROM TRADITIONAL INFRASTRUCTURE PROVIDERS TO HUBS FOR DIGITAL INTEGRATED SOLUTIONS
WORLD-CLASS INNOVATION LEADER
MONTREAL PART OF GLOBAL SMART PORT COMMUNITY

CHAINPORT

PORT MTL PAGE 7
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/
World-class accelerator

CEN TECH
POWERED BY ÉTS

ACCÉLÉRATION
PROPULSION
COLLISION
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 experience of the port supported by augmented reality
- Infrastructure planning tool
- Fire prevention simulations and training tool

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

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