



Administration
de pilotage
des Laurentides

Laurentian
Pilotage
Authority

Navigating the Waters: The 5Ws of Maritime Pilotage

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Corporate Secretary



www.pilotagestlaurent.gc.ca



WHAT is maritime pilotage?



- Throughout the world, pilots are trained experts in ship navigation in specific waters and possess knowledge of local conditions/waters
- In Canada, pilotage dates back to early colonial days and exists on the St. Lawrence River for over 200 years



Pilotage in Canada



- In 1972, Pilotage Act created four Pilotage Authorities **to operate and maintain safe and efficient pilotage services** in designated areas
- The Act lays out:
 - Principles for provision of pilotage services;
 - Mandate and powers of the Pilotage Authorities
 - Fee charging process





WHY?

⚓ Principles and mandates under the Pilotage Act

Pilotage services in Canada must align with following principle:

- Promotes and contributes to the **safety of navigation**, including the safety of the public and marine personnel, that **protects human health, property and the environment**;
- Be provided in an **efficient and cost-effective** manner;
- **Risk management tools** used effectively, and evolving technologies taken into consideration
- pilotage charges be set at levels that allow the Authority to be **financially self-sufficient** (s. 2 of the Act)

Objects of the Pilotage Authorities are to:

- *Establish, operate, maintain and administer, in the interests of safety of navigation, an efficient pilotage service within their respective region (s. 18 of the Act)*

In compulsory pilotage areas, the pilot (licensed or certificate holder) has the "conduct" of the ship (s. 38.01 of the Act)



⚓ Headquarter in downtown Montreal

LPA

- The largest pilotage authority in Canada among the four existing in the country.
- Administers and provides marine pilotage services as well as related services in the Gulf of St. Lawrence, the St. Lawrence River, and the Saguenay River.



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Our MISSION



In accordance with its legislative mandate:

The mission of the LPA is to provide efficient and effective pilotage services promoting navigation safety, including the safety of the public and marine personnel on the St. Lawrence River, Saguenay River, and Gulf of St. Lawrence. Financially self-sufficient, the LPA conducts its activities with a focus on protecting human health, property, and the environment. It also relies on effective risk management and cutting-edge technology.



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Our VISION



To be a leader in managing a resilient, smart, and sustainable pilotage service as an important link in Canada's supply chain, founded on human expertise and technological innovation, and empowered by inclusive partnerships.



WHERE? Geographical limits of activities



WHO? Ships subject to compulsory pilotage

Canadian-registered ships

- District 2
 - Over 80 metres in length
 - Over 3 300 gross tons
- District 1 et 1.1
 - Over 70 metres in length
 - Over 2 400 gross tons

Foreign flag ships

- Over 35 metres in length



Pilotage requests : **WHEN** to?

Notices of arrival

- For ships arriving from the sea or the Gulf of St. Lawrence
- For ships arriving from St. Lambert Lock

Notices of departure

- For all ships in the compulsory pilotage areas

Notices of movage

- For all ships to make a movage in the Port of Montréal or Port of Québec



Taking a closer look
into our operations

Various Logistic partners



- Pilots Corporations (2)
- Marine communications and traffic services (MCTS)
- Coast Guards
- Transport Canada
- St. Lawrence Seaway Management Corporation
- Groupe Ocean
- GLPA
- Shipping Federation
- Armateurs du St-Laurent
- Chamber of marine Commerce
- Marine Agents
- Etc.

2023 Highlights



21,734

assignments



1,024

unique ships served



17,230

pilottage missions



99.92%

incident-free missions



99.97%

service efficiency (without delays)

+6.56%



\$115.3M

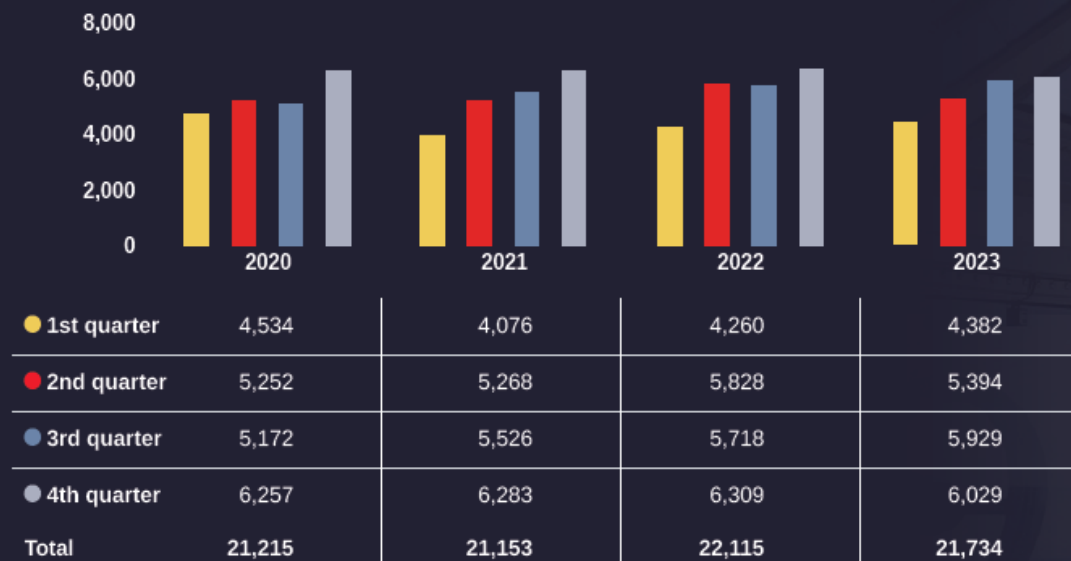
revenues



Our dispatch center in Montréal



Number of assignments per quarter



> **24/7** > **24** EMPLOYEES
IN TOTAL

> **21,734** ASSIGNEMENTS
IN 2023

Ensures the assignment of approximately 220 pilots and apprentice pilots according to two distinct service contracts (based on jurisdictions)

Our pilotage station in Les Escoumins



Our pilotage station at Les Escoumins



Safely conducts the transfer of pilots

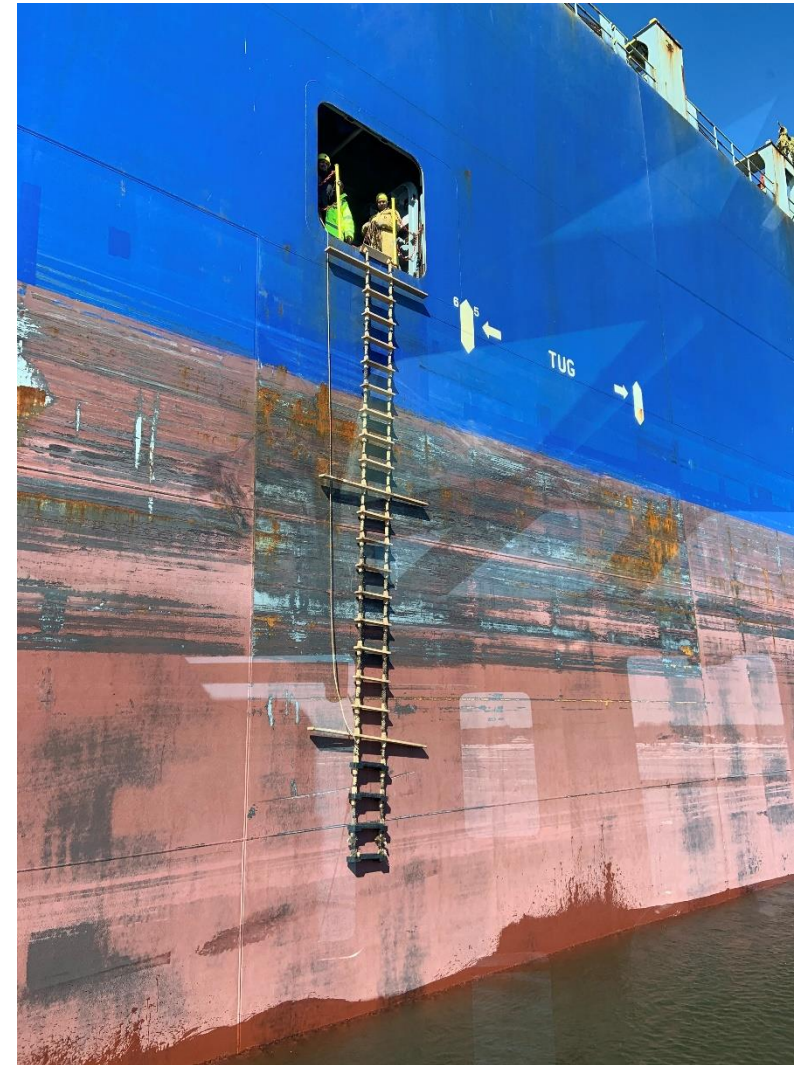
- The only pilotage station operated and managed by the LPA who owns the building, land and docks
- 3 pilot boats in operation:
 - Shipeku (3-season)
 - Grandes Eaux (3-season)
 - Taukamaim (winter)
- In the 4 others ports, our partner Groupe Océan acts as our subcontractor

➤ **24/7**

➤ **7,000**
TRIPS PER YEAR

➤ **15**
EMPLOYEES

Pilot transfert operation



Our pilot boats at Les Escoumins



LE SHIPEKU
(3-SEASON)



LE GRANDES EAUX
(3-SEASON)



LE TAUkamAIM
(WINTER)

Our shuttle in the Port of Montréal



Pilot transportation service, 24/7, from April to December

- Fast and effective
- Avoiding traffic and congestion
- Close to 2,800 pilot transports in 2023



THE VILLE-MARIE
(3-SEASON)

Our Simulation center in Montréal



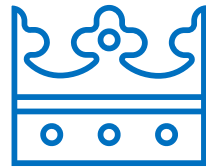
Our Simulation center in Montréal



A state-of-the-art simulator that is continually evolving

- The physical environment and maneuverability of internally modeled ships are realistically reproduced.
- Used for research and development:
 - To enhance navigation/piloting best practices
 - For incident studies
 - For specific training purposes





His Majesty, or an Authority is not liable for any damage or loss occasioned by the fault, neglect, want of skill or wilful and wrongful act of a licensed pilot or a pilotage certificate holder



A licensed pilot who meets the conditions of their licence is not liable in damages in excess of \$1,000 for any damage or loss occasioned by their fault, neglect or want of skill.

Same limitation of liability for the pilot's Corporation

Liability

Teams Fight Fire for Fourth Day on MSC Containership in St. Lawrence River



The MSC Sao Paulo V
March 3, 2024



Canadian Coast Guard is assisting the stricken MSC vessel in the St. Lawrence River (Kyle McDougall, ECCC photos courtesy of CCG)

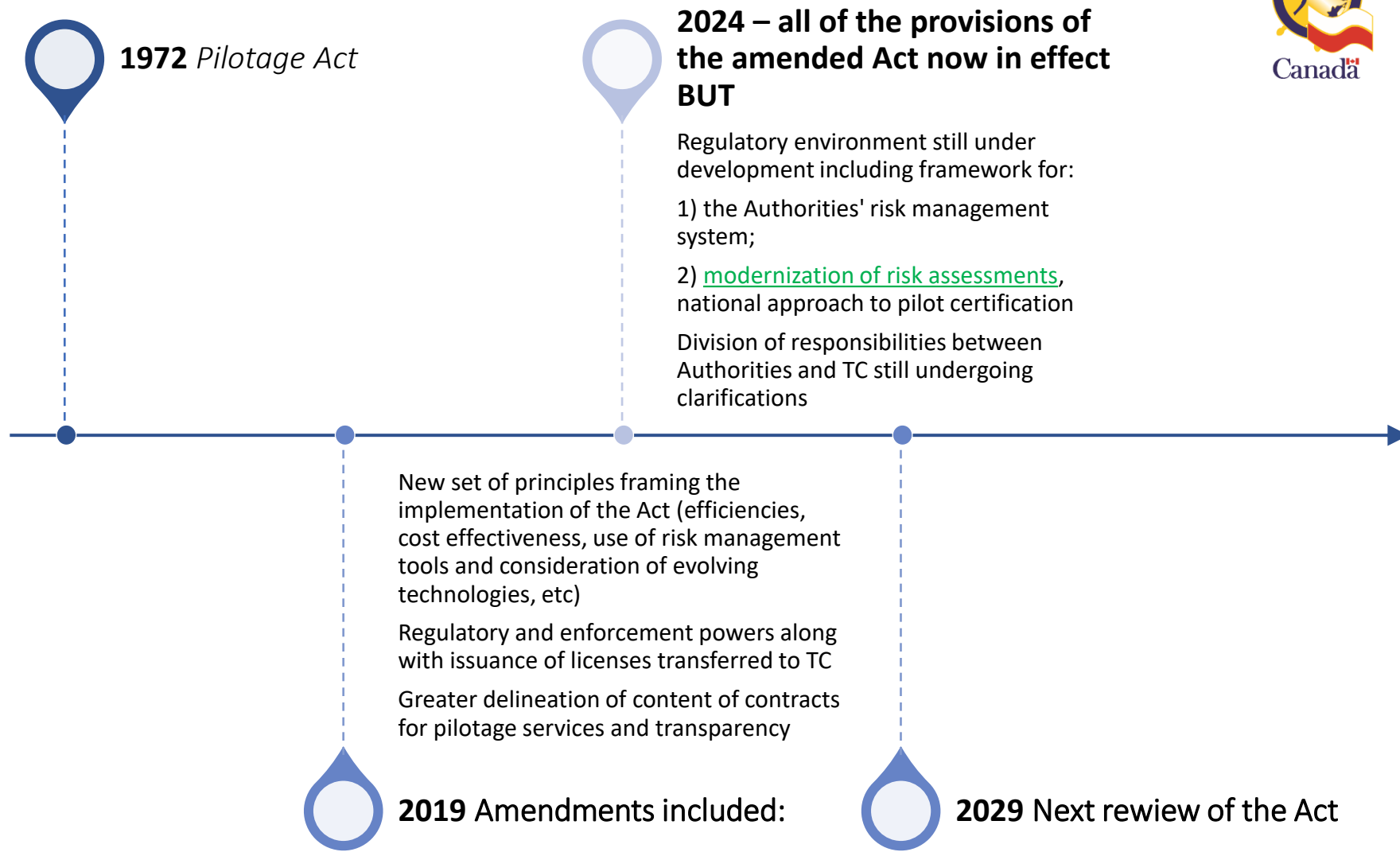
- LPA's role
- Our pilot boats were the 1st on scene to help and assist the ship



Changes, developments
& opportunities



Legislative framework in transition



Modernization of risks assessments



Foundation for all
innovation projects
and changes
affecting safety
on the St. Lawrence
River

- Reducing double pilotage
- Increasing size of ships
- Changes in compulsory pilotage zone
- Remote pilotage

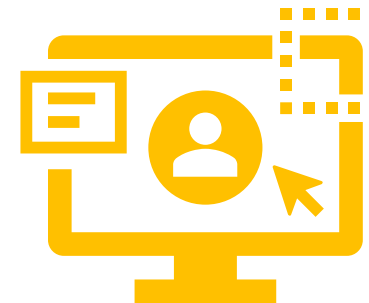
The New Technologies



Their role in
a period where
the industry is
in transition



Simulator



Pilotage software



Ships Surveillance
by drones



Remote pilotage



THANK
YOU.

Questions ?
Comments ?



www.pilotagestlaurent.gc.ca

