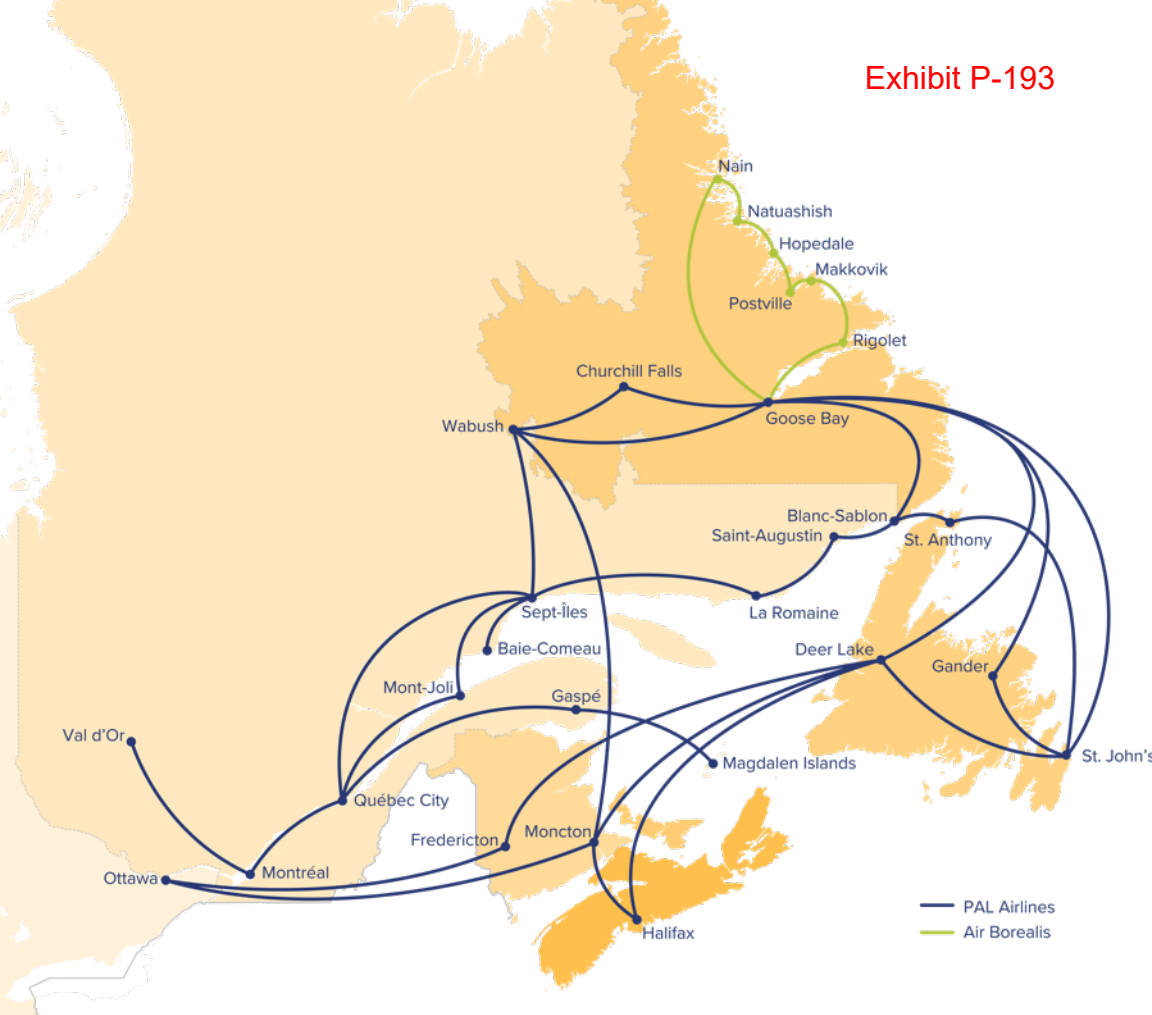




PAL – 2021-10-06

- The PAL Group is a diversified collection of Canadian aviation-related companies whose roots in the industry trace back to the earliest days of commercial aviation in Canada.
- We are committed to being leaders in our industry and vital partners in the communities we serve.





**PAL Airlines Q 400**

## World Leader in Maritime Surveillance and Special Missions Operations

- +300,000 global flight hours

## Significant Domestic and International Experience

- RCAF Fixed Wing Search and Rescue Program
- Department of Fisheries and Oceans FASE Program
- Netherlands Coastguard Maritime Surveillance Program
- Force Multiplier Program – On Demand ISR
- UAE Air Force Maritime Patrol Aircraft
- Dutch Caribbean Coastguard Aircraft



# FMX TECHNOLOGY OVERVIEW

## Mission Radios

Multi-band HF/VHF/UHF radios.

## SATCOM

Beyond Line of Sight (BLOS) voice, video and data comms.

## Extended Range Fuel

Internally installed long range fuel tanks permitting over 10.5 hours endurance and up to 2,300 NM range.

## Observer Windows

Equipped with TopEagle augmented reality system.

## Advanced Cockpit

Glass Cockpit, Night Vision Equipped, Tactical Data Mission Display, Pilot controlled stores drop

## SAR-DF

Locate distress beacons.

## Tactical Data Link

Line of Sight (LOS) communications.

## AIS

Monitors ship traffic.

## Enhanced Cooling

Room for future capability expansion / client installed sensors.

## MX – 15 HD EO/IR

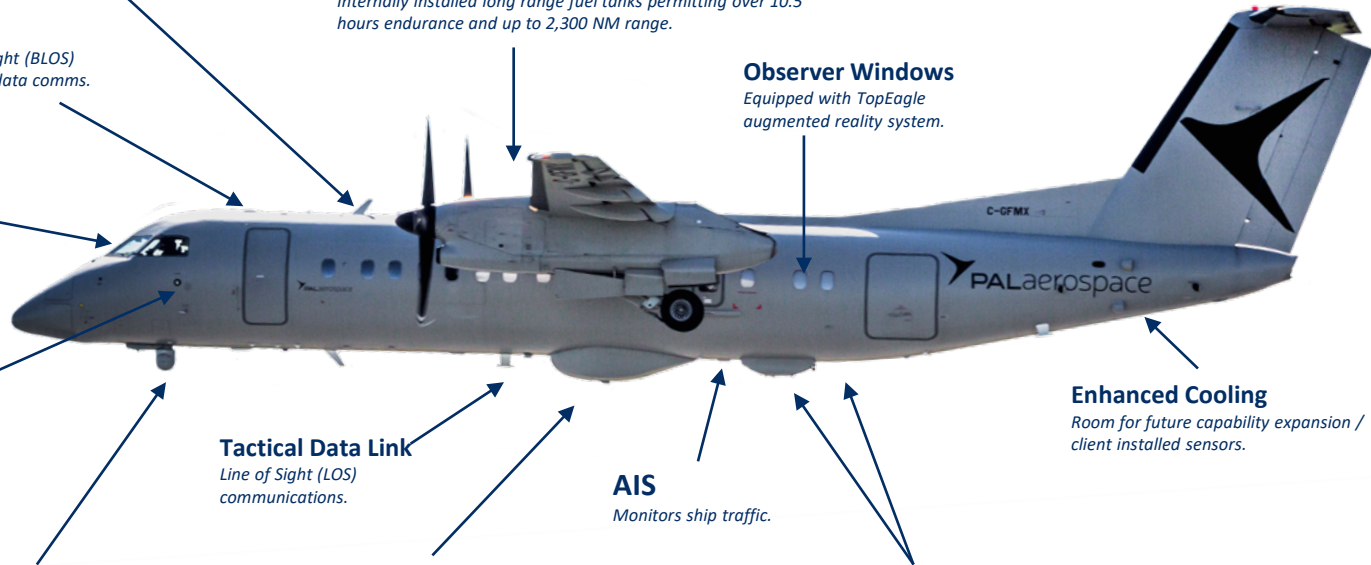
HD thermal and low light camera with laser rangefinder.

## Multi-mode Radar

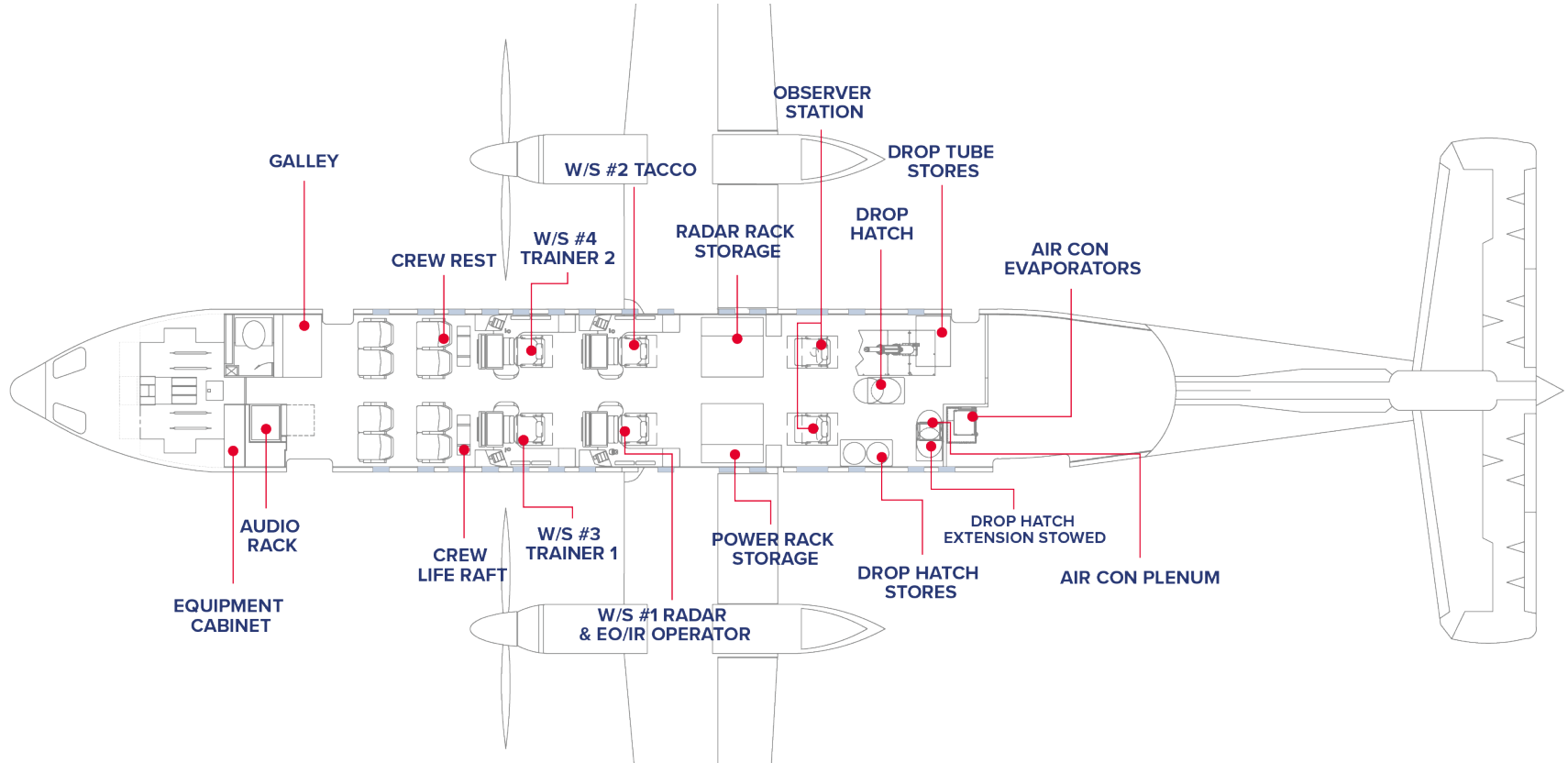
360o radar capable of detecting targets up to 200NM.

## Airborne Stores Launch

Can be used to drop buoys, smoke markers, life rafts, or other stores.



# FMX TECHNOLOGY OVERVIEW



## Community Initiated SAR – PAL Airlines / Air Borealis / PAL Aerospace Participation

- Missing snowmobilers' travelling between Natuashish and Nain
- PAL contacted by Community Ground Search and Rescue
- Immediately dispatched significant assets
  - PAL Airlines flight diverted to search
  - Air Borealis aircraft launched for search
  - PAL Aerospace aircraft launched for search
  - Air Borealis rotary asset launched to provide urgent medical transportation
- Successful SAR operation, demonstrating scope of capacity available if called on.

