KNOW WHAT'S COMING. EVERYWHERE.

Laurentide puts the data your operation depends on onto one map of Canada: fire, weather, airstrips, hospitals and your own records. When something changes, it tells you what, where and why. It runs today as a working demo on public data, and it is bilingual, Canadian-owned and designed to be hosted in Canada.



9,984,670 km²
The second-largest country on Earth.

243,042 km
The longest coastline of any country.

39%
Of Canada's total area lies in its three northern territories.

SOURCES: STATISTICS CANADA; NATURAL RESOURCES CANADA

THE PROBLEM

The information that matters in the North lives in separate places: flight tracking in one tab, fire maps in another, weather somewhere else, vessel data with a different agency, and the mission itself on a whiteboard and a phone.

WHAT LAURENTIDE DOES

FUSE

Every feed lands on one map and one shared model of the world, with the time of its last update always visible.

CHECK

An alert engine checks the picture continuously against rules you control.

RECORD

Every action will be written to a tamper-evident audit log.

ONE PLATFORM

L-3000 · THE PLATFORM	**LAURENTIDE**	The base platform: public data and your own on one map, with rule-based alerts, two-factor sign-in and a full audit trail, in English and French.	WE'RE BUILDING IT
A-105 · AIR	**ARROW 105**	For medevac, charter and air operations: missions, airstrips, fuel, airport weather and hazards along your routes. Aircraft positions are planned through licensed feeds.	WE'RE BUILDING IT
N-74 · SEA	**PASSAGE N74**	Maritime awareness for Canada's northern waters: vessel tracks, alert areas and AIS-gap alerts. Shown today on simulated vessel data.	IN PREVIEW

PROPOSED ALERT RULES FOR FIRST PILOTS

AIR · R1	A mission aircraft comes within 5 NM of an active wildfire Satellite hotspots and fire perimeters; severity rises at low altitude. Not a substitute for NOTAMs.	WARNING
AIR · R2	A weather warning covers a destination or alternate airstrip Official Environment and Climate Change Canada warnings.	WARNING
FIRE · R4	A wildfire is detected near an airstrip or a community you follow Warning within 20 km, critical within 5 km, by default.	CRITICAL
SEA · R5	AIS reporting gap inside an alert area Weighed against known coverage limits; a gap is not evidence of intent.	ADVISORY

DATA SOURCES

Canadian Wildland Fire Information System · Natural Resources Canada

NASA FIRMS · active-fire detections

MSC GeoMet · radar and warnings, ECCC

Open Database of Healthcare Facilities · hospitals, Statistics Canada

OurAirports · aerodromes; not for navigation

OpenStreetMap · base map

Aircraft positions and AIS · licensed feeds, planned

SECURITY BY DESIGN

Two-factor sign-in, roles BUILDING

Customer data kept apart BUILDING

Encrypted manifests · AES-256 BUILDING

Tamper-evident audit log BUILDING

Designed to be hosted in Canada PLANNED

SOC 2 Type II, CPCSC Level 1, PBMM PLANNED

WHO IT'S FOR

STARTING HERE	NEXT	THEN	LATER	LONG TERM
Air operations Medevac, air ambulance and charter operators	**Remote industry** Mines, energy sites, utilities and camps	**Emergency management** Emergency offices, municipalities, First Nations, wildfire services	**Sea and the North** Sealift and northern shipping operators	**Federal and defence** Coast Guard, federal SAR and defence, once security standards are met

HOW PILOTS WORK

A 90-day pilot on one workflow of your real operation, beside the tools you already use. We connect your data, set your alert rules and train your team; success criteria and costs are agreed on day 0, with a go/no-go review on day 90. Offered as a subscription, with Arrow 105 and Passage N74 as add-on modules.

REQUEST A BRIEFING

Thirty minutes, online or in person, in English or French. We listen first, then show where Laurentide could fit your operation.

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Laurentide, Arrow 105 and Passage N74 are in development. Features, data sources, security measures and timelines described here are design goals and may change. Facts: Statistics Canada, Natural Resources Canada. Map drawn by ORCAN from Natural Earth data (public domain). © 2026 ORCAN Technologies.