Firebird

Canadian Wildfire Modelling to protect Tomorrow, **Today.**

Wildfires are out of control.

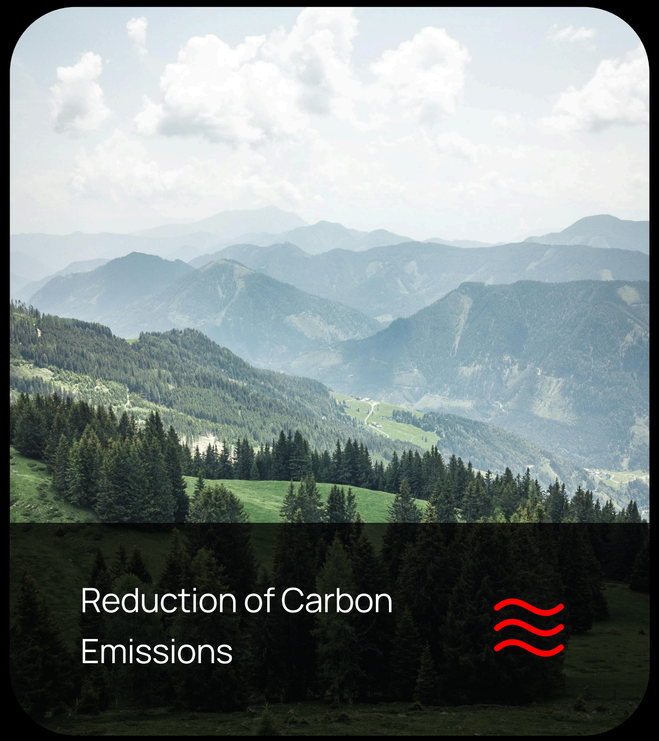
They are the most **economically significant** Canadian natural disaster.

60% Of all Canadian forest hectares burned this decade occurred in 2023-24

95% Of annual costs ($2bn) are from large-scale fires - 3% of all incidents

Minimizing damages and suppression costs

Protecting communities and Canadian nature



Reduction of Carbon Emissions

AI-powered, predictive wildfire intelligence.

We allow stakeholders to take ~~reactive~~ **proactive** measures

How Firebird Works

We're equipping our customers with an **advanced, versatile** risk map using Machine/Deep Learning.

ROBUST

Over 8 million data points via 40+ Satellite and Ground features

ADAPTABLE

Forecasts range from a few days to entire seasons

FOCUSED

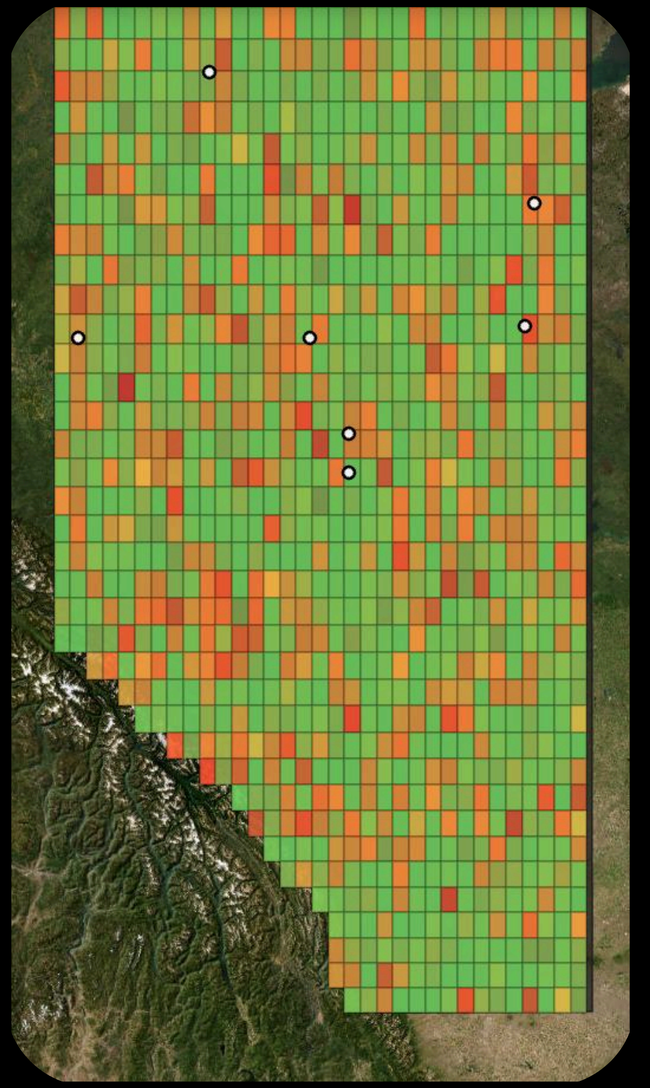
Spatial Resolutions of

10 km2

RELIABLE

Accuracies recorded of up to

84%



Business Model Canvas

Key Partners

- Data Providers (government & private)
- Model Compute and Application Hosting Providers

Key Activities

- Model development and updates
- Application Maintenance

Key Resources

- Data
- Model & Platform IP
- Data Storage Infrastructure

Value Propositions

- Wildfire risk foresight enabling fire management
- Operational proactiveness providing high economic returns via infrastructure protection
- Fire season risk analysis and consequential risk insight

Customer Relationships

- SaaS relationships maintained by dedicated account manager

Channels

- Forecast tooling integrated into decision makers' workflows

Customer Segments

- National, Provincial, Municipal Govs
- Natural Resources Agencies/Companies
- Real Estate Developers
- Telecommunications
- Mining
- Forestry/Logging

Cost Structures

- Data APIs
- Application Infrastructure (database, hosting)
- R&D costs

Revenue Streams

- Enterprise licenses to Government clients
- A la carte/usage based billing with smaller B2B clients

Our Market and Sales

Model Showcases and Demos
- Feeback Collection
- ROI data

Pilot Testing for 2026 Wildfire Season
- Demo site pilots
- Early impact case study

Commercial Launch
- Open Paid Pilots with Municipalities/ B2B demographics
- Customer Onboarding

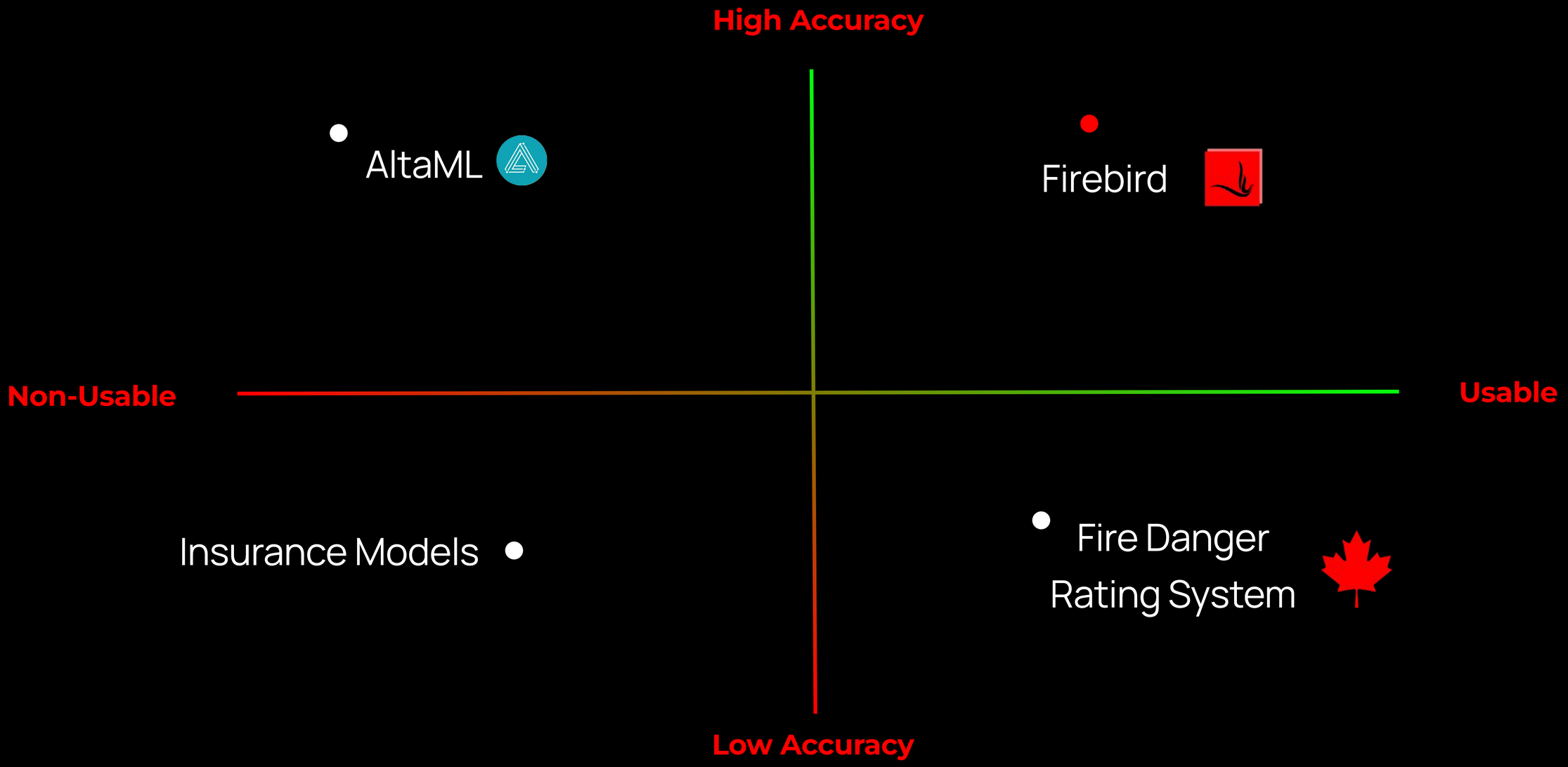
Dual pricing to ensure customers align costs with deployment scale and usage patterns.

Enterprise License: Annual, unlimited API access

Pay-Per-Call: Metered usage with tiered volume discounts

Better Accuracies, Exponential Impact.

Our modelling software identifies and addresses cross-industry pain points.



Our Founding Team

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Computer Science

Dante Maggiotto

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J Romero

COO, UWaterloo Physics

Teodora Vujovic

Senior ML Engineer,
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May 2025

- v1.0 Model Completion

June 2025

- Deep Learning Model (v1.1) validation of 90+% scoring

July 2025

- Acquisition of private B.C Data pipelines for provincial model

August 2025

- Grant + Low Value SAFE round

Beyond

- Provincial Pilot Testing

Milestones

Phased rollout delivers pilot validation, provincial deployment, and targeted funding to **rapidly and sustainably** scale our wildfire-risk platform.

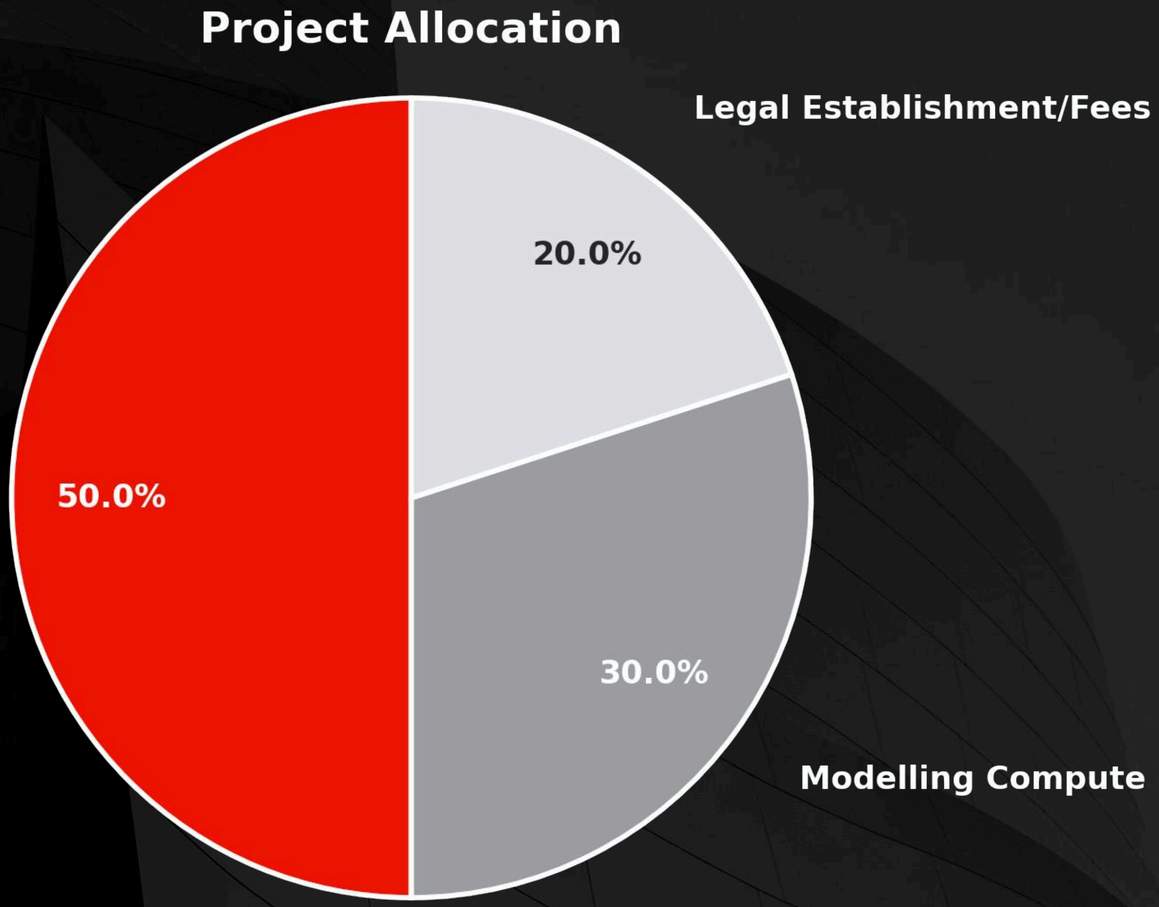
Status/Timeline

	May	June	July	August
Products	Product Sprint Planning	Building front-end & Data Infrastructure	Developing UI Tooling	Web Application-Closed Alpha Release
Services	Form presence via website and LinkedIn	Cultivate interest for closed alpha release	→	Stimulate engagement using blogs
Relationships & Networking	Customer Validation with Relevant Stakeholders	Establish connections with VC firms	Host stakeholder demos & collect feedback	Begin outreach for 2026 season pilots

Ready to Enhance Wildfire Preparedness?

$5K

Funding Allocation



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