



**WYVERN**  
BETTER EARTH, FROM SPACE

# Changing How We See the Earth, and the Environment

**Location:** Edmonton, Alberta

**VC Investor:** Accelerate Fund

**Company URL:** [wyvern.space](https://wyvern.space)

**Strategic Importance:** Environmental protection, public safety and emergency services, agriculture, natural resource development, aerospace, defence

An Alberta company is reimagining the way we look at environmental monitoring, with the help of advanced satellite technology developed in Edmonton.

With the aid of investment capital and Alberta's robust high-tech ecosystem, they've set their sights on ambitious growth.

## A Better Earth, From Space

**Wyvern** is an Alberta-based space data company that provides high-resolution hyperspectral satellite imagery to help organizations make better environmental and economic decisions. **Their satellites capture detailed information about the Earth's surface that can't be seen by traditional cameras.**

"Wyvern's hyperspectral imagery provides early and actionable insight into environmental changes before they escalate into emergencies," Wyvern founder and CEO Christopher Robson explains.

Incredibly, Wyvern's data can detect stress in vegetation ahead of wildfire risk and identify harmful algal blooms in lakes before they threaten water supplies. It can monitor oil spills or other pollution events to guide rapid response. It can be used by the military to detect camouflage. Farmers are even using it to optimize fertilizer rates.

▲ **4 Satellites**  
with more in development

▲ **31 Detectable Colours**  
(hyperspectral)

*"By developing cutting-edge satellite technology in Canada, Wyvern is helping to build the data infrastructure required for next-generation environmental monitoring."*

## 'On The Ground' Support

Robson says that Alberta offers a unique combination of advantages that make it an ideal home for Wyvern: a strong innovation ecosystem, access to technical talent, and a thriving community of scrappy startups who are ready to support one another.

"Many of these startups are focused on environmental management or energy, reflecting the province's deep industrial expertise and its growing commitment to sustainability and technological innovation."

Just as it takes powerful rockets to put a satellite into orbit, tech businesses generally require a timely boost to reach the next level of growth.

Alberta Enterprise Corporation (AEC) and the Accelerate Fund have provided Wyvern with more than just capital; they've offered credibility, mentorship, and access to a powerful network of investors and industry partners.

"Their investment signalled confidence in Wyvern's vision and helped attract additional funding, accelerate hiring, and scale our operations here in Alberta," Robson says.

## Bravely Exploring New Opportunities

Wyvern continues to develop its next-generation hyperspectral sensors in Alberta. It plans to expand its current satellite constellation, enhance its AI-powered data processing pipeline, and deepen its strategic partnerships.

So next time you look at the night sky, keep an eye out for Alberta innovation.