Geospatial Data:
Revolutionizing Financial Services in Alberta

THE FINANCIAL INDUSTRY IN ALBERTA plays a critical role in supporting businesses and individuals through lending, investment, and risk management. Whether financing large-scale energy projects, agricultural operations, real estate developments, or infrastructure expansion, financial institutions must navigate a complex landscape of economic, environmental, and regulatory risks.

Access to accurate, location-based data is becoming a game-changer in financial decision-making. Geospatial data from Altalis provides financial institutions with the data needed to:

MITIGATE RISK

IMPROVE EFFICIENCY

DEVELOP INNOVATIVE LENDING MODELS TAILORED TO ALBERTA'S UNIQUE ECONOMIC SECTORS

NAVIGATING THE COMPLEXITIES:
KEY CHALLENGES FACING ALBERTA'S FINANCIAL INDUSTRY

Financial institutions face increasing pressure to make **data-driven decisions** that ensure **profitability**, **risk mitigation**, and **regulatory compliance**. Here are five critical challenges where geospatial data is transforming the industry:

RISK MANAGEMENT IN AGRICULTURAL LENDING

Agriculture is the backbone of Alberta's rural economy, but climate variability, soil conditions, and water access impact farm productivity and credit risk. Traditional risk assessments rely on historical data, but integrating real-time geospatial analytics provides more accurate, proactive risk modeling.

ALTALIS SOLUTION

LIDAR 7.5 DEM Provides elevation and topography data for floodplain mapping, ensuring banks assess land risks before financing.

CADASTRAL MAPPING Provides clarity regarding survey boundaries for collateral assessments.

TITLE MAPPING Accurately outlines boundaries and visually represents the extent of land ownership for each parcel, improving the accuracy of agricultural lending decisions.

INFRASTRUCTURE FINANCING & ENERGY DEVELOPMENT

Large-scale infrastructure and energy projects require significant financial backing, but site selection and long-term viability depend on land-use restrictions, environmental conditions, and regulatory zoning. Financial institutions need geospatial data to de-risk investments and plan financing strategies.

ALTALIS SOLUTION

DISPOSITIONS DATA Identifies land-use permissions and encumbrances on Crown lands to inform investment decisions.

MUNICIPAL BOUNDARIES Helps lenders verify zoning compliance and regional development plans before funding major projects.

CLIMATE RISK & INSURANCE MODELLING

With increased climate volatility, insurance providers and lenders require robust geospatial models to evaluate exposure to floods, wildfires, and environmental changes. Accurate, real-time data reduces risk in underwriting and loan structuring.

ALTALIS SOLUTION

LIDAR 7.5 DEM & BASE FEATURES Supports flood risk analysis for insurance underwriting.

TITLE MAPPING Provides accurate property mapping for precise liability assessments.

PIPELINE & RESOURCE INDUSTRY FINANCING

Lenders financing pipeline and resource extraction projects must consider regulatory constraints, land claims, and environmental protections. Without accurate geospatial intelligence, banks risk financing projects that may face legal disputes or regulatory shutdowns.

ALTALIS SOLUTION

DISPOSITIONS DATA & BASE FEATURES Helps financial institutions assess land-use permissions and encumbrances on Crown lands, environmental set backs and regulatory approvals.

MUNICIPAL BOUNDARIES & TITLE MAPPING Provides clarity on land ownership and jurisdictional considerations.

REAL ESTATE INVESTMENT & URBAN DEVELOPMENT

Financial institutions rely on geospatial intelligence to identify prime locations for real estate development, assess property values, and forecast market trends. Accurate mapping data ensures financing decisions are backed by spatial and economic insights.

ALTALIS SOLUTION

CADASTRAL & TITLE MAPPING Supports precise property valuations.

BASE FEATURES & DAILY UPDATE SERVICE Provides up-to-date infrastructure and zoning data.

PARTNERING WITH ALTALIS: A STRATEGIC ADVANTAGE FOR FINANCIAL INSTITUTIONS

By partnering with Altalis, Alberta's financial sector gains access to the most reliable geospatial data, enabling smarter lending, improved risk management, and enhanced investment strategies.

BETTER DECISION MAKING Reduce lending risks by integrating geospatial data into credit and investment assessments.

REGULATORY CONFIDENCE Ensure projects align with municipal and provincial regulations before financing.

COMPETITIVE ADVANTAGE Develop industry-leading financial products based on precise geographic and environmental data.

REAL-TIME DATA UPDATES Stay ahead with Altalis' Daily Update Service for the most current property and land-use data.

Financial institutions that harness geospatial data will lead the industry in risk reduction, strategic investments, and data-driven financial innovation. With Altalis as a trusted data partner, Alberta's financial sector is poised for smarter, more resilient growth.

ABOUT ALTALIS

Established in 1998, we have been the **authoritative source of spatial data and imagery in Alberta for over 25 years**. We are the leading data management, maintenance, and distribution company in Alberta, and ensure the continued updating, re-engineering, storage, distribution, value-added redistribution, and general management of primary provincial mapping datasets. Our goal is to **make mapping products more available, accessible, accurate, and affordable.** We are your trusted source of spatial data.

Our state-of-the-art webstore, Altalis.com, is powered by AWS enabling reliable, fast and secure data deliveries. **Customers can explore, view, and acquire spatial data products both paid and open data with the click of a button.**

We take pride in providing exceptional customer service and building long-term relationships with our clients. Our experienced customer service team is available to answer any questions you may have about finding the right data to meet your needs.