



The Surveying Landscape

Precision Meets Complexity

THE SURVEYING INDUSTRY, a cornerstone of accurate spatial information, underpins crucial decision-making across diverse sectors, including **oil & gas**, **construction**, **real estate**, **urban planning**, and **environmental management**. Surveyors play a pivotal role in defining property boundaries, assessing terrain, and supporting infrastructure development through meticulous data collection and analysis.

Key trends shaping the industry include:

INCREASING INTEGRATION OF GIS TECHNOLOGY.

REAL-TIME DATA COLLECTION.

USE OF ADVANCED SENSORS AND SOFTWARE FOR ENHANCED DATA ANALYSIS.

KEY CHALLENGES FACING THE LAND SURVEYING INDUSTRY

ENSURING ACCURACY AND RELIABILITY IN DIVERSE ENVIRONMENTS Maintaining precise measurements and reliable data across varying landscapes and challenging conditions remains a significant hurdle. Inaccurate data can lead to costly errors, disputes, and delays in critical projects.

EFFICIENT DATA MANAGEMENT AND ANALYSIS Survey projects generate vast amounts of complex data. It is essential for success to manage, analyze, and interpret this data quickly and efficiently to meet project deadlines.

INTEGRATING ADVANCED TECHNOLOGY INTO TRADITIONAL WORKFLOWS The survey industry is undergoing a rapid digital transformation, with the emergence of high-resolution satellite imagery, **LiDAR** data, 3D scanning, UAVs (drones), and sophisticated data management systems. Integrating these cutting-edge tools into established workflows can be complex, requiring a strategic approach to training, adoption, and process optimization.

ALTALIS OFFERS TAILORED GEOSPATIAL DATA PRODUCTS THAT DIRECTLY ADDRESS THE UNIQUE CHALLENGES SURVEYORS FACE

CADASTRAL MAPPING Altalis' precise **Cadastral** mapping, aligned with Alberta Land Titles, ensures accurate property boundary determination and legal descriptions. This streamlines boundary surveys, supports property analysis, and ensures regulatory compliance, minimizing the risk of errors and disputes.

TITLE MAPPING Our daily updated **Title** mapping provides surveyors with the most current property boundaries and legal information, enabling faster, more informed decisions regarding boundary determinations and land use planning.

LIDAR 7.5 DEM Altalis' high-resolution **Digital Elevation Models (DEM)** provide detailed terrain data for accurate topographical mapping and analysis. This enables engineers to assess terrain characteristics, evaluate slope stability, and analyze environmental impacts, leading to optimized site planning and risk mitigation in infrastructure projects.

BASE FEATURES Includes features such as hydrography and transportation networks, used for comprehensive land use projects.



PARTNERING WITH ALTALIS OFFERS SURVEY PROFESSIONALS SEVERAL KEY ADVANTAGES

UNPARALLELED ACCURACY AND RELIABILITY Altalis' precise geospatial data significantly enhances measurement accuracy, minimizing errors, rework, and potential disputes. This translates to higher quality survey results, increased decision-making confidence, and improved project outcomes.

STREAMLINED REGULATORY COMPLIANCE Altalis data helps ensure compliance with Alberta's surveying regulations, facilitating accurate data submission and legal adherence. Our data aligns with industry standards and government requirements, making it easier for surveyors to meet their legal obligations and avoid potential penalties.

ENHANCED DECISION-MAKING Access to comprehensive geospatial data supports informed decision-making, reduces uncertainties, and minimizes potential errors. Surveyors can make better decisions about project planning, boundary determination, and risk assessment by having a complete picture of the land, including ownership, terrain, and existing infrastructure.

INCREASED CLIENT SATISFACTION By leveraging Altalis data, land surveyors can provide higher-quality services, deliver projects efficiently, and enhance client satisfaction. Accurate data leads to reliable results, which build trust and strengthen client relationships.

SEAMLESS DATA INTEGRATION AND SUPPORT Altalis ensures smooth integration of our data into your existing workflows. We offer APIs (Application Programming Interface) for regular data updates. This ensures you always have access to the most current information, minimizing manual data entry and reducing the risk of errors. Our dedicated support team provides support with data integration and ensures a continuous, reliable data flow to keep your projects running smoothly.

ALTALIS: YOUR TRUSTED SOURCE FOR SPATIAL DATA INSIGHTS

Ensure accurate and detailed data for diverse surveying needs, from land boundaries to infrastructure surveys with Altalis data. Handle large datasets seamlessly, supporting complex survey projects and enabling scalable operations.

Altalis provides geospatial data and continuous innovation to meet the specific needs of survey professionals, ensuring high-quality support and a competitive edge in the market.




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.

Contact Altalis today to learn more about how our comprehensive data can help your organization.

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