

USE CASE

Service Beyond Boundaries: Midwest Surveys Empowers Projects with Comprehensive Altalis Geospatial Data



MIDWEST

MIDWEST SURVEYS is a leading provider of comprehensive land surveying and geospatial solutions, specializing in the energy sector, particularly oil and gas, while also serving the utilities and municipal sectors. Their team of experienced professionals offers a wide range of services tailored to the unique needs of each industry. This includes **delineating boundaries, determining precise locations, navigating complex regulatory landscapes, and providing expert guidance on regulatory compliance.** Their expertise extends across the entire energy value chain, from supporting new wellsite pads (upstream) and

pipeline construction (midstream) to ensuring the integrity of existing infrastructure by supporting maintenance and repair services. This encompasses tasks such as **desktop analysis and planning, pipeline engineering, custom GIS, surveying and ground disturbance assessment.** Midwest Surveys' deep understanding of the Alberta landscape, commitment to accuracy and efficiency, and focus on client satisfaction have established them as a trusted partner for companies seeking to confidently and legally execute their projects in the dynamic energy landscape of Alberta and much of Western Canada.

CHALLENGES

MEETING THE EVOLVING DEMANDS OF GEOSPATIAL DATA IN ALBERTA

OIL AND GAS SECTOR

The challenge in this context is the need for highly accurate and updated geospatial data in the oil and gas sector. This data is essential for various stages of infrastructure development, including planning, construction, and maintenance. Additionally, strict environmental and safety regulations mandate the use of precise data to avoid penalties and ensure the operational integrity of oil and gas facilities.

UTILITY SECTOR

The challenge in the utility sector is the efficient mapping and maintenance of vast and complex utility networks. These networks require constant updates and precise geospatial data to ensure smooth operations and prevent service disruptions. Additionally, accurate data is crucial for optimizing the placement of new installations and making informed decisions about network expansion and maintenance.

MUNICIPAL SERVICES

In the realm of municipal services, the main challenge for surveying companies is the need for high-resolution geospatial data to support accurate urban planning and infrastructure projects. This data is essential for various tasks, including land-use analysis, zoning, transportation planning, and infrastructure design. Additionally, regulatory compliance necessitates precise data to ensure that projects adhere to zoning laws, building codes, and environmental regulations.

ENVIRONMENTAL AND SAFETY PROGRAMS

The challenge in managing environmental and safety programs is the need for accurate, detailed geographical data to ensure compliance with safety standards and minimize environmental impact. This data is crucial for identifying potential hazards, assessing risks, and implementing appropriate mitigation measures. Additionally, accurate data is essential for monitoring the environmental impact of operations and ensuring compliance with environmental regulations.

SOLUTIONS

EMPOWERING SURVEYING WITH COMPREHENSIVE GEOSPATIAL DATA FROM ALTALIS

Altalis equips Midwest Surveys with a suite of geospatial data products tailored to the diverse needs of their clients across multiple industries:

DISPOSITION (DIDS+) MAPPING

Altalis provides detailed lease holder, usage rights, and restriction data, including metadata not found in standard Alberta DIDs. This empowers surveyors to accurately identify permissible operational areas, ensuring compliance with provincial regulations, particularly on public lands.

LIDAR 7.5 & LIDAR15 DEM

Altalis' high-resolution DEMs deliver precise elevation and terrain information, critical for accurate surveys, infrastructure planning (including pipelines and utilities), and environmental impact assessments. This enables optimized project planning, reduces risks, and enhances safety across oil and gas, municipal, and environmental projects.

CADASTRAL & TITLE MAPPING

Altalis offers comprehensive **Cadastral** data, defining property boundaries, land divisions, easements, and rights-of-way. This data is essential for ensuring that all infrastructure projects respect legal boundaries and avoid potential disputes, contributing to project success and regulatory compliance.

“Altalis provides the consistency we need to make decisions and automate routines in support of our clients' goals. We rely heavily on DIDs+ data and the streamlined connections that Altalis provides to ensure our data is up-to-date and readily available. Access to imagery and LiDAR from their data order desk provides the convenience needed for rapid response to a wide range of industry requirements.”

—MICHAEL VOGEL, CORPORATE GIS MANAGER AT
MIDWEST SURVEYS INC.

RESULTS

DRIVE SUCCESS WITH INTEGRATED GEOSPATIAL DATA

A partnership with Altalis means seamless integration of **Disposition**, **Cadastral**, and **LiDAR** data, enabling more comprehensive and accurate land surveys. Accessing all necessary data from a single provider simplifies data management and ensures consistency.

CONSISTENT DATA

Because Altalis offers **Disposition**, **Cadastral**, and **LiDAR** data, we ensure that all the data works well together. This makes it easier for survey companies to analyze and make decisions. Getting these types of data from one provider simplifies data management and ensures accuracy.

BETTER DECISION MAKING

Altalis data provides the additional metadata needed when referencing Disposition data within Alberta. Fully understanding who is responsible for developing on various plots of public land allows for faster decisions and better collaboration between business units and partners.

STREAMLINED OPERATIONS

Altalis data is standardized and can easily integrate with various GIS systems and applications. With multiple business units and companies each having their own processes and data silos, it is important that the Altalis data can seamlessly integrate with each of them.

EASY TO USE

Altalis customers can easily pull all the data they need from the Altalis webstore. API access allows for automation of several datasets, making it easy to keep multiple applications up to date with the latest information.



ABOUT ALTALIS

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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.