



## Geospatial Data: A Critical Tool In The Emergency Response Planning Industry

### ALBERTA'S EMERGENCY RESPONSE PREPAREDNESS (ERP) INDUSTRY

plays a critical role in safeguarding communities, industries, and the environment. **Alberta faces a variety of natural and industrial risks, including wildfires, floods, hazardous material spills, and oil and gas pipeline incidents.** Ensuring a rapid, coordinated, and effective response is essential for minimizing damage and protecting public safety. This requires comprehensive, up-to-date geospatial data to enhance situational awareness, streamline emergency planning, and facilitate effective coordination among stakeholders.

Altalis is proud to **support the Emergency Response Preparedness industry with high-quality, accurate, and actionable geospatial data.** Our products enable organizations to maintain compliance with industry regulations, optimize emergency response strategies, and improve communication with stakeholders, ultimately enhancing their ability to mitigate and respond to emergencies effectively.

### NAVIGATING THE COMPLEXITIES: KEY CHALLENGES FACING ALBERTA'S EMERGENCY RESPONSE INDUSTRY

The Emergency Response Preparedness industry in Alberta is tasked with addressing numerous challenges related to risk management, regulatory compliance, and the effective coordination of resources during crises:

#### REGULATORY COMPLIANCE & INDUSTRY STANDARDS

Organizations must comply with strict regulations, such as **Alberta Energy Regulator (AER) Directive 071** and the **Emergency Management Act**, ensuring they have the necessary plans in place for managing hazardous incidents, such as gas leaks, pipeline spills, and wildfires. Emergency response plans must be comprehensive, accurate, and continuously updated.

#### RAPID STAKEHOLDER NOTIFICATION & COMMUNICATION

Timely and accurate communication with industry stakeholders, landowners and local governments is vital in emergency situations. Effective public notification systems and clear identification of impacted areas are essential for minimizing the impact on communities and industries.

**ACCESS TO TIMELY & ACCURATE DATA** In an emergency, first responders and decision-makers require access to real-time data on land ownership, infrastructure, and environmental factors. Data gaps or delays can lead to poor decision-making, slower responses, and increased risks.

#### COORDINATION ACROSS MULTIPLE SECTORS

Coordinating resources and efforts across diverse sectors, including municipalities, oil and gas, utilities, and emergency services, requires seamless data integration, real-time communication, and well-established collaboration protocols.

#### ALTALIS GEOSPATIAL DATA PRODUCTS: EMPOWERING EMERGENCY RESPONSE OPERATIONS

Altalis offers a suite of geospatial data products tailored to meet the needs of the Emergency Response Preparedness industry in Alberta:

**ENHANCED TITLE MAPPING (ETM)** A flagship product designed for Emergency Response Planning (ERP). ETM helps organizations comply with **Alberta Energy Regulator (AER) Directive 071** by accurately mapping land ownership and identifying affected stakeholders. While ETM does not define Emergency Planning Zones (EPZs), it supports organizations in contacting landowners and stakeholders within these zones, ensuring quick and efficient notification for informed decision-making.

**CADASTRAL MAPPING** Provides detailed land survey information, including parcel boundaries, which is important for mapping land ownership, resource management, and emergency response zones.



**BASE FEATURES** A foundational dataset that includes key infrastructure such as roads, buildings, and water bodies. It supports routing, evacuation planning, and real-time response during emergencies.

**DISPOSITIONS** Identifies surface activity on Crown lands, helping organizations understand land usage and manage the location of emergency response activities, particularly in resource-rich areas.

**DAILY UPDATE SERVICE** Real-time GIS updates provide emergency planners with the latest land use, ownership, and infrastructure data. This is important for ensuring that response plans are based on current information.

### **PARTNERING WITH ALTALIS: STRENGTHENING EMERGENCY RESPONSE PREPAREDNESS**

Partnering with Altalis offers several key benefits for organizations involved in Emergency Response Preparedness:

**REGULATORY COMPLIANCE AND RISK MITIGATION** Altalis' **Enhanced Title Mapping (ETM)** enables organizations to meet regulatory requirements for emergency planning and stakeholder notification. Our data helps minimize risks by providing clear, accurate information on land ownership and infrastructure locations.

**IMPROVED EMERGENCY RESPONSE PLANNING** With access to high-quality geospatial data, emergency planners can design more effective and efficient response strategies. Our products support detailed mapping of Emergency Planning Zones (EPZs), evacuation routes, and infrastructure vulnerabilities, ensuring a coordinated and rapid emergency response.

**ENHANCED COMMUNICATION AND STAKEHOLDER MANAGEMENT** Altalis' data enables organizations to identify and communicate with the relevant stakeholders (e.g., landowners, municipalities, and local industry) during emergencies. Accurate mapping of ownership boundaries and contact information ensures that notifications are sent promptly, reducing confusion and mitigating public safety risks.

**OPERATIONAL EFFICIENCY & DATA INTEGRATION** Altalis' products integrate seamlessly into existing emergency response management systems, streamlining operations and improving real-time coordination between organizations. By leveraging our **Daily Update Service**, response teams can access up-to-date information, enabling timely decision-making during critical events.

**VALUE-ADDED CUSTOMER SERVICE** Altalis is committed to delivering high-quality data and exceptional customer service. Our team provides dedicated support in selecting, purchasing, and integrating geospatial data into your systems, ensuring your emergency response plans are fully optimized.

By partnering with Altalis, organizations involved in Emergency Response Preparedness gain access to accurate, timely, and comprehensive geospatial data that enhances their operational efficiency, regulatory compliance, and stakeholder engagement. Together, we can ensure Alberta's communities, industries, and environment are well-prepared for any emergency.


## 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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