

STRATEGIC INTELLIGENCE  
fueled by  SCIENCE

## Real-time Induced Seismicity Monitoring AER Regulator Regional Network

### Project Partners:



### Purpose:

To establish a regional network with real-time data streaming for monitoring seismic activity in the province of Alberta.

### The Seismic Array:

This seismic network with Libra VSAT communications began with 10 stations and AER continues to add stations in order to improve density and coverage. The data is streamed in real-time to a “community hub” operated by GSC in BC as well as to AER in Edmonton, AB for redundancy. The data is also available via the IRIS data management centre.

### Why Nanometrics?

- Trusted by the Geophysicists at the University of Alberta: they used a number of our broadband seismometers in portable research stations, which provided excellent results
- Unique ability to monitor seismicity in real-time and distinguish induced events from natural events
- Manage the entire regional network
- Provide real-time data to “community hub” and IRIS data management centre

