

Geomatics

- Provides geomatic solutions including global positioning technologies, geographic information systems, digital mapping and remote sensing, 3D laser scanning and complete mapping services.
- Pre-planning services for pipeline projects and drilling programs.

WELL SITE SURVEYS

Surveys conducted for well site drilling that involve determining optimum well, lease and access road positioning, as well as the preparation of well site plans.

CONSTRUCTION SURVEYS

Pre-construction Services: Surveys and volumetric calculations prepared to assist in developing pipeline, building and plant construction layouts.

Pipeline Surveys: Surveying services conducted during the construction of pipelines. Services include the preparation of alignment sheets, drafting pipeline crossings, Individual Ownership Plans (IOPs), as well as the registering of the legal plans.

Route and Corridor Selection Surveys: Involves establishing survey control monuments to assist in the pipeline planning process.

ESTABLISHING SURVEY CONTROL

MONUMENTS FOR USE IN A PROJECT

SETTING FOR CONVENTIONAL

SURVEY TECHNIQUES OR FOR GPS

TECHNOLOGY, AS WELL AS GROUND

CONTROL FOR AERIAL PHOTOGRAPHY

USED IN DIGITAL MAPPING.

3D CONTROL SURVEYS

Establishing survey control monuments for use in a project setting for conventional survey techniques or for GPS technology, as well as ground control for aerial photography used in digital mapping.

LAND SETTLEMENT AND CADASTRAL SURVEYS

Surveys conducted to identify Aboriginal land boundaries.

COMPILE PLANS

Developing a comprehensive site/project plan that includes identifying all related infrastructure (pipes, wells, facilities, access roads), as well as aerial photography of the site area. Plans clearly identify all land features relevant to well site locations or pipeline routes and access

INTERNET MAPPING

An extensive Internet-based GIS system that allows clients to view maps and aerial photography of Canada's western provinces and the Northwest Territories. Access to surveys, maps, land use, natural resource development, restricted environmental area, utilities and EUB oil and gas data are also available through the site. This site also enables clients to do extensive well site and pipeline planning, and has many tools for reporting and running queries. Complimentary site access is offered to all current clients.

3D LASER SCANNING

Conducting ground-based 3-dimensional laser scans of battery sites, compressor sites and other facilities in the oil and gas industry, as well as bridges, buildings and other civil project sites. This technology is often used for quality control surveys or project design and engineering. Position data obtained by the laser scanner is highly accurate (+/- 3mm), and can be used to generate either 3D or 2D models of the objects or sites that it scans