



Corporate Profile

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Keystone Field Engineering Inc. and **Keystone Production Services Inc.** excel at providing the best technical and professional services to the Oil & Gas Industry. Keystone offers a distinct blend of engineering and facility production support services under one roof.



Keystone Field Engineering Inc., is a Professional Engineering Consulting Firm based in Drayton Valley, Alberta. We are proud to provide our clients *“Practical Engineering Solutions”*, within our local community and surrounding areas. As Keystone is registered to practice engineering in Alberta, Saskatchewan and British Columbia, our expertise is also extended to clients across Western Canada.

Founded in 1990, we take pride in providing our clients with the highest quality engineering design, drafting and technical support services. Our diverse team of experienced staff members are committed to supporting a multi-disciplined line of technical services in the Oil & Gas Industry. We take pride in effectively executing projects that are high quality, cost effective and completed in a safe and timely manner.

Keystone Production Services Inc., is an Oilfield Production Services Firm offering a full range of upstream oil and gas services within the greater Drayton Valley area. Our experienced staff can assist your company with contract operating, well optimization, field production operations management and many other valuable operations related services.

Keystone Field Engineering

Services

Keystone specializes in oil and gas facilities and pipeline design for small to medium sized projects; operations and production engineering; well and facilities optimization; regulatory compliance support and AutoCAD design drawings for new construction and as-builts. Our detailed list of services includes:

Facilities Design and Engineering:

From modifications to existing facilities to new site designs, Keystone will scope out, design, provide cost estimates and provide construction support for all your project requirements.

Types of projects include:

- Single and Multi-Well Facilities Design
- Waste Management Facilities Design
- Water and Waste Disposal Facilities Design
- New and existing pipeline modification design
- Flow Splitter Designs
- Plant and battery modifications/additions
- New and Existing Tank Farm Upgrades and Designs
- Flare System Design Checks and Modifications
- Participate and contribute to facility HAZOP studies. Track and manage action items. Prepare scopes of work, cost estimates and designs to address deficiencies
- Engineered facility design AutoCAD drawings include PFD's, P&ID's, Plot Plans, ISO's, ORTHO's, Structural, Electrical and Line Lists

Management of Change (MOC) Project management and Process:

Keystone's involvement can vary according to your specific needs for the MOC process. Our role can range from technical design for an individual MOC project to managing your entire MOC Program (MOC coordination role). Keystone is available to:

- Perform MOC Coordinator Role
- Supply MOC Process development and Implementation Support
- Provide technical services and design for MOC projects such as:
 - Pigging Facilities Installations and Modifications
 - Meter upgrades and/or Installations
 - Plunger-Lift Installation piping design;
 - Equipment sizing – piping, control valves, PSV's, Tanks, Vessels, Filter systems, Pumps
 - Process Piping modifications
 - Process Flow Changes

As-Built Drawings:

Keystone's expertise is available to provide up-to-date accurate as-built drawings for your facilities. Updated drawings can be provided from client supplied redline markups, or Keystone can conduct a thorough field review and drawing markup. Types of As-Built projects include:

- Wellsites, Compressor Stations, Gas Plants, Batteries, Satellites, Water injection plants, headers, pipeline systems, etc.

Regulatory / Compliance Technical Support:

Regulatory compliance is key to your company's success. There are many regulators/regulations in the oil and gas industry and achieving compliance requires significant resources and time dedication. Types of projects include:

- Facility and Pipeline AER Applications
- DDS Submissions
- Facility and Pipeline Audit Compliance support
- General AER Compliance Support and Communication
- Directives:
 - DIR-65; water/waste disposal schemes
 - DIR-60; Facility blowdown/venting calculations
 - DIR-56; Facility/pipeline applications
 - Metering compliance to DIR-17 requirements
 - DIR-58; Waste Management compliance and design
 - DIR-55; Storage Tank design and compliance
 - DIR- 66; Requirements and Procedures for Pipelines
 - DIR-38; Oilfield Noise Control
- ABSA Piping Registrations (ASME B31.3 and 31.1)

Petroleum Tank Management Association of Alberta (PTMAA) Designs:

Keystone will provide designs for new PTMAA Compliant Facilities or make recommendations to bring your existing facility into compliance. Types of projects include:

- New PTMAA Compliant Storage Facility Designs
- Modifications to Existing Storage Facilities to ensure PTMAA Compliance
- PTMAA Compliant Designs for Additions to existing storage facilities.

Operations/Production Engineering:

If your internal resources are stretched thin consider utilizing Keystone's expertise in operations and production engineering to complete facilities and wellsite optimizations or day to day technical operations support. Types of projects include:

- Facilities, pipeline and production troubleshooting.
- Identification and implementation of production optimization opportunities.
- Routine operations technical support.
- Routine operations regulating support.

Keystone Production Services

Keystone Production Services Inc., is an Oilfield Production Services Firm offering a full range of upstream oil and gas services within the greater Drayton Valley area. Our experienced staff can assist your company with a variety of field production and operations management related services such as:

- Contract Operating
- Well optimization
- Facility optimization
- Well / facility start-up and commissioning
- Preventative maintenance programs
- Regulatory Compliance
- Shut in well inspections
- Pipeline operating and maintenance programs
- Facilities construction supervision