



Corporate Profile

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Keystone Field Engineering Inc. and **Keystone Production Services Inc.** offer a distinct blend of technical, professional, project management and production support services to the Oil and Gas Industry.



Keystone Field Engineering Inc., is a Professional Engineering and technical services Consulting Firm based in Drayton Valley and Rocky Mountain House, Alberta. We are proud to provide our clients *“Practical Engineering Solutions”*, within our local community and surrounding areas. Keystone is registered to practice engineering in Alberta, Saskatchewan and British Columbia. As such our expertise is 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 is committed to supporting our clients with a multi-disciplined line of technical services. 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. offers 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.

*Technical, Project Management and Operations Support for the
Oil and Gas Industry.*

www.keystonefieldeng.com

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, Engineering & Project Management:

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

Completed projects include:

- Single and Multi-Well Wellsite Facilities
- Waste Management Facilities
- Water and Waste Disposal Facilities
- New pipelines and modifications to existing pipeline systems and headers
- Flow Splitters
- Plant and battery modifications and additions
- New and Existing Tank Farm Upgrades
- Flare System Design Checks and Modifications
- Facility HAZOP study support including documentation and tracking of action items and preparing scopes of work, cost estimates and designs to address.
- Engineered facility design using AutoCAD drawings include PFD's, P&ID's, Plot Plans, ISO's, ORTHO's, Structural, Electrical and Line Lists
- Piping modifications

Management of Change (MOC) Projects:

Keystone's involvement can vary according to your companies 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 offers the following MOC services:

- MOC Coordinator Role
- MOC Process Development and Implementation Support
- 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

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As-Built Drawings:

Keystone can provide up-to-date, accurate as-built drawings for your facilities. This can be completed by using client supplied redline markups or Keystone can conduct a thorough field review and drawing markup.

Completed As-Built projects include:

- Well sites
- Compressor Stations
- Gas Plants
- Batteries
- Satellites
- Water Injection Plants
- Water/Waste Disposal Facilities
- Headers
- Pipeline systems

Regulatory Compliance Technical Support:

Regulatory compliance is key to your company's success. There are many regulators and regulations in the oil and gas industry and achieving compliance requires significant resources and time. Keystone can supply this expertise.

Regulatory projects Keystone can assist with include:

- Facility and Pipeline AER Applications
- DDS and One Stop 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
 - DIR-17; Metering compliance
 - 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

Petroleum Tank Management Association of Alberta (PTMAA) Designs:

Keystone can 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

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 operations technical support.

Types of projects include:

- Facilities, pipeline and production troubleshooting.
- Identification and implementation of production optimization opportunities.
- Routine operations technical support.
- Routine operations regulatory 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 support
- Shut in well inspections
- Pipeline operating and maintenance programs