Capabilities & Competencies
At Apex, we are dedicated to providing our customers with quality valve automation products. We work with some of the world’s largest valve & actuator manufacturers to provide our customers with a large selection of leading edge products & the latest technology.

Our valve automation manufacturing and assembly center located in Red Deer, Alberta can easily support our customers with a single actuator or we can provide solutions for the most complex projects such as remote locations with no instrument air or electricity available.

Apex is viewed as a single source which allows for a greater understanding of client requirements resulting in optimized solutions.

**Automated Valve Packages**

- Quarter-turn pneumatic, hydraulic & electric systems
- Multi-turn electric actuators
- Self-contained hydraulic systems
- Linear valve packages
- Fail open, fail closed, fail last position
- Fail safe electric with mechanical spring
- Solar powered ESD systems 24 VDC
- Diaphragm style actuators

**In House Machining**

In house machining capabilities allow Apex Valve to supply custom mounting hardware for all applications. This results in an extremely fast delivery schedule; usually within 1 - 2 days.

- Valve & actuator adaption hardware
- Gear operator adaption
- Stem extensions
- Retrofits or upgrades
- Support & troubleshooting
- On site services
- Emergency repair

**Complete AutoCAD Capabilities**

We offer technical drawings to our customers of the products we sell & have employees in house that work with our customers to help from the design phase complete through start-up.

To ensure we provide the highest level of customer service, we also offer the installation and commissioning of our products.
Valve Modifications

Apex Valve has been successful throughout our many years of operation, growing through the ability to hire and motivate the most experienced personnel in the industry.

These key individuals are keenly aware of product related issues and how material needs to be addressed when handling product.

Our valve modification facility is located in Leduc, Alberta and is ABSA Certified to repair and alter category A, B, and C fittings; which includes fittings, valves and flanges.

Valve Modification Capabilities

DRT (Disassemble, Reassemble & Test)
- Valve disassembly for trim changes, coatings, modification, etc., reassembled and tested.
- Trim, seal and packing material changes

REPAIRS
- Repair and refurbish valves back to manufacture specifications
- Machine seats, plugs, gates, discs, stems, bushings, followers
- Reface end connections

MACHINE SHOP
- Liquid Relief Kits –LRK
- End Connection Conversions to RF, FF, RTJ, Buttweld, Socketweld, Threaded
- Seat insert materials, Teflon, PEAK, Devlon, Nylon
- Drains and Bypasses
- Stem Extensions
- Cryogenics

HYDROTESTING
- Seat and Body tests as per API 598, API 6D, CSA Z245.12
- Perform custom tests as per customer standard
- Charted tests
- 2 test stands up to 16” for fastest testing up to 36” valves
- Up to 30,000 psi
Apex Valve Services currently boasts 5 locations with certification to set and service pressure relief valves. Alberta has locations in Bonnyville, Grande Prairie, High Level and Slave Lake which are ABSA certified (Reg. No. ASVS-64) with capabilities up to 8” inlet size, air testing to 3000 PSI (higher pressures achieved with the use of an assisted lift device) and liquid testing to 5000 PSI.

With the recent opening of our new Apex Valve Services facility in Regina, Saskatchewan (TSASK Cert. No. QCP-0722) we have capabilities up to 10” inlet size and air, gas and liquid testing to 3000 PSI.

**In-situ PRV testing**

Apex Valve Services is pleased to offer In-Situ Testing of PRV’s with the use of the robust Ventil PreVenTest LTC.

This enables In-Situ Testing of all types and sizes of rising stem spring operated pressure safety valves.

This state of the art computerized system enables Apex Valve Services the ability to provide signed test results on site.

**Value Added Services**

As part of the Apex Valve Services value added services we are pleased to offer the following to our customers:

- Spare valve and parts management
- PRV data collection and evaluation
- Assistance with shutdown and maintenance planning/scheduling and implementation
- PRV pickup and delivery to customer site to ensure proper PRV handling procedures
- Online customer portal access for PRV reports

Apex Valve Services has a vast knowledge in the many different brands of PRV’s available and maintains strong relationships with the many different manufacturers in order to be able to supply the best available solutions to suit current and future needs.

Apex Valve Services is available on call 24 hours a day, 7 days a week, 365 days a year for any PRV issue that may arise. Apex Valve Services will do everything in our capability to ensure minimal downtime.
Apex Valve Services is a full service valve repair company providing our customers with a diversified range of repair & maintenance including, PM programs, repair/replacement analysis for API, ANSI, & PSV valves. Some of our other specialty services include instrumentation, compressor servicing & valve modifications.

In an effort to provide our customers & suppliers with the best service possible, our facilities provide you with the highest quality workmanship, including factory trained technicians to ensure that all your valve servicing requirements are met.

**Valve Service & Maintenance**

- Pressure Testing to 10,000 PSI
- Rod Rotators
- Wellhead BOP’s
- Chokes
- Re-Packing Services
- Wellhead Valves
- Pressure Relief Valves
- Actuators & ESD’s
- Plug & Butterfly Valves
- Pipeline & Wellhead Valves
- HCR Valves
- Machine Shop Services
- Gate, Globe & Check Valves
- ABSA Certified - Relief Valves
- PRV Air Testing to 3000 PSI
- PRV Liquid Testing to 5000 PSI
- Drilling & Test Manifolds
- Pipping & Stabbing Valves
- Valve Modifications
- PRV In-Situ Testing

**Field Services**

- Plant Valve Repacking
- Chokes
- Pipeline Valve Maintenance
- In Line Valve Servicing
- Pressure Seal Valves
- Wellhead / Manifold Servicing & Lubrication
- API Valve Rentals or Replacements
- Preventative Maintenance Programs
- Valve Commissioning
- ESD Servicing & Repair
- Hydraulic Torquing
- Inline Valve Grinding & Lapping
- "Y" Angle Globe Valves

**Preventative Maintenance Programs**

Without proper maintenance, valves can become difficult to open or close overtime and there are a number of factors that can contribute to this. Dried out elastomers, damaged seats or even a worn gear operator are just a few things that can reduce the lifespan of a valve. Many times valves are replaced when general preventative maintenance could have increased the lifespan of the valve therefore offering opportunities to save money.

Preventative maintenance can keep your valves functioning optimal and problems that are caught early can be fixed through planned maintenance rather than an emergency shut-down. A preventative maintenance program should include OEM guidelines however recommendations from the technicians who have the hands on experience operating the valves are very important.

Apex Valve Services takes seriously all efforts to keep Apex a safe working environment for our employees, customers and all others that access our facilities. All employees keep health safety at the forefront of all activities.
In an industry with high demands and low tolerances, you need a trusted partner to provide you with recognized quality, dependable products and expert service in the time frame you need.

APEX VALVE SERVICE CENTERS

BONNYVILLE Ph. (780) 826-4355
FORT ST JOHN Ph. (250) 785-1900
GRANDE PRAIRIE Ph. (780) 513-2044
HIGH LEVEL Ph. (780) 926-1900
NISKU Ph. (780) 986-3156
RED DEER Ph. (403) 343-6600
REGINA Ph. (306) 761-5000
SLAVE LAKE Ph. (780) 849-3432

APEX VALVE SERVICE - P&C

SLAVE LAKE Ph. (780) 849-4902

PSV SERVICE & REPAIRS

BONNYVILLE Ph. (780) 826-4355
GRANDE PRAIRIE Ph. (780) 513-2169
HIGH LEVEL Ph. (780) 926-1900
REGINA Ph. (306) 761-5000
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VALVE AUTOMATION

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VALVE MODIFICATIONS

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