SPARTAN CONTROLS

Automation | Valves | Measurement | Process Control

CALGARY SOLUTIONS CENTRE

Offering a broad range of turnkey packaged solutions

Take a tour

www.spartancontrols.com

CANADA'S BEST MANAGED COMPANIES
Platinum member

CUSTOMER FOCUSED

Originally established to meet Customers' needs for automation packaging, our Calgary Solutions Centre continues to put our Customers' changing needs first. Spartan Controls Calgary Solutions Centre is one of Canada's leading providers of custom pneumatic, electronic, electrical and hazardous location control panels and assemblies for oil, gas, communications and petrochemical industries.

We support non-union and union trades as required by our Customer and we are vendor-flexible for all automation packaging requirements.

We provide:

- 80,000 ft^2 of facility space that can be utilized for fabrication, storage, staging or warehousing
- Contracted off-site facilities that are available for large or special-requirement projects, joint with sub vendors (i.e. remote instrument buildings)
- Specialized engraving and welding shops

SMALL TO LARGE PROJECT EXPERTISE

Small projects typically require fast deliveries. Our application specialists offer the knowledge and experience to source the right material and/or recommend alternatives. With the flexibility to build on the fly, our team of technicians delivers your project on time. We will do what it takes to make sure we exceed your expectations.

Large projects can last months or years, and require the experience of a qualified project management team. We offer high-level materials management and have large long-term testing and staging areas within our facility. Most importantly, we offer you the peace of mind knowing you have the most experienced team in the industry delivering your large project.

We specialize in the following areas:

- Electrical and piping compliance certification

- Full system functionality
- Fibre optics, server & telecom cabinets
- Junction boxes & power distribution
- Programmable Logical Controller (PLC) panels
- Fire & security

- Remote Terminal Units
- Building & skids
- Operator consoles
- Educational training equipment
- Custom solutions

COMMITMENT TO QUALITY

We are Intertek (ETL) approved for in-house certification of custom assemblies for hazardous locations and general purpose areas. Our pneumatic assemblies are built to ABSA standards.

Our long-term commitment to quality is demonstrated by our ISO 9001:2015 certification for the Calgary Solutions Centre. This includes many quality practices in the areas of Customer satisfaction, continuous improvement, quality systems, testing, inspections, training and services.

CAPABILITIES

Proven Expertise

Our application specialists, solutions architects and subject matter experts are professionally trained, experienced in their fields, and can help you collaborate with you team.

Project Management/Single Point of Contact

Our single point of contact philosophy reduces cost, improves the Customer experience and allows us to quickly apply solutions and services to meet your automation challenges head-on.

Multiple Product Support

Through your single point of contact, you have access to our full product offering and complete technical support.

Supply Chain Management

We offer material management with a focus on your needs and requirements.

Productivity

Our focus on seamless internal processes allows us to deliver quality products and services quickly and efficiently.

Spartan MRP

Spartan focuses on maintenance, reliability and performance (MRP) initiatives that support the core areas of your business such as safety, environmental impact, production, reliability, efficiency and compliance.

One Purchase Order (One PO)

One PO means improved lead times, less handling and significant cost savings for you.

ETL, ABSA, & Testing

Manufacturing and certification of industrial control panels for use in hazardous locations for Canada and the United States:

- General purpose up to 1500V, CSA C22.2 #286
- General purpose up to 1000V, UL508A
- Non-Incendive up to 600V to CSA C22.2 #213, UL 121201
- Intrinsically safe up to 1000V to CSA C22.2 #286, UL 698A
- Explosion proof up to 1000V to CSA C22.2 #30, UL 1203

We are ABSA certified to construct and test to ASME B31.1 and B31.3. We can also manufacture to meet other standards such as Cenelec, CE, ATEX, and SAA (external certification).

DeltaV™ & DeltaV™ SIS

Knowledgeable, factory-trained technicians for both small and large DeltaV™ and DeltaV™ SIS systems including:

- Management of drawing production
- Determining suitable package types and sizes
- Building to Customer requirements
- Utilizing expertise to provide specific operational advice
- Constant measurement from design fabrication, testing through to installation
- Comprehensive product knowledge
- Integrated material management
- Access to full Spartan/Emerson inventory
- Flexible and standard design
- Scheduling and project management expertise

Fibre Optics, Servers & Telecom Cabinets

Comprehensive experience with fibre optic equipment and services including:

- High density patch panels, network switches, splice trays/ wheels, etc. from ADC, Corning, Tyco and others
- ST, SC, FC, LC and other connectors
- Cable management and proper routing
- Continuity testing
- Final assembly of pre-built frames from manufacturers

DCS, Marshalling & Safety Systems

Extensive experience with small and large types of DCS and SIS systems including:

- DeltaV™
- DeltaV™ SIS
- Honeywell
- Triconex
- Siemens
- Foxboro
- ABB

Junction Boxes & Power Distribution

Extensive experience with junction box assemblies including:

- FOUNDATION Fieldbus megablocks and terminators
- Transmitters such as Rosemount™ 848T
- Enclosures of all NEMA ratings
- Custom/standard size enclosures with/without gland plates
- Consistent batch manufacturing
- Relay panels

Class 1 Div 1/Div 2 and Zone 1/Zone 2 certified

Programmable Logic Controller (PLC) Panels

Vendor-flexible with extensive experience with PLCs including:

- Allen Bradley
- GE Fanuc
- Siemens
- Modicon

Pneumatic & Analytical Panels

Expertise in pneumatic assemblies including:

- Sample handling systems for all types of analyzers
- Tubing of all sizes and types
- Instruments such as regulators, gauges, gas dryers, sample coolers, filters, flow meters and all types of valves
- Painted and stainless steel custom backplates with or without stands
- Wiring/conduit for electro-pneumatic equipment such as solenoids, transmitters, analyzers, etc.
- Burner management systems

Class 1 Div 1/Div 2 and Zone 1/Zone 2 certified

Fire & Safety Solutions

Packaging solutions for various types of security and alarm applications including:

- Fire and gas detection panels
- Site annunciations — horns and beacons
- Audio/visual public address and warning systems
- Gate security and perimeter fence monitoring systems
- Stand-alone remote-site video monitoring systems that include power, communication and location tracking components
- Monitored access control and card readers

Class 1 Div 1/Div 2 and Zone 1/Zone 2 certified
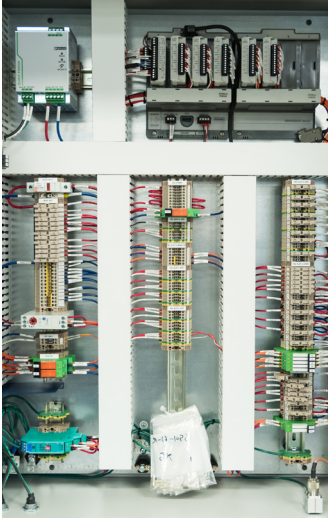
Remote Terminal Units (RTUs)

Vendor-flexible with extensive experience with all types of RTUs including:

- Emerson Fisher™ ROC + FloBoss
- Emerson Bristol Babcock ControlWave
- Control Microsystems SCADA Pack
- Frames/stands
- Battery boxes
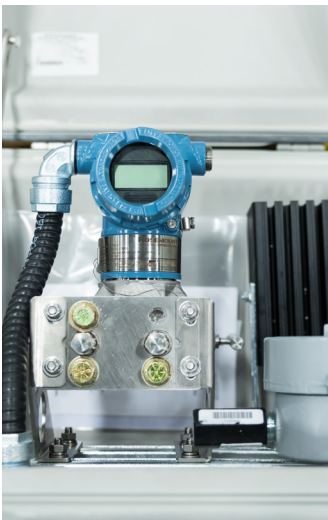- Testing
- Software loading

Buildings & Skids

Broad knowledge of self-framing and rigid framed pre-engineered shelters such as:

- Remote instrument buildings (RIB)
- Instrument and control (I&C)
- Analytical
- RTU
- Communication

Class 1 Div 1/Div 2 and Zone 1/Zone 2 certified

Winterization Enclosures

Extensive experience with assemblies including:

- Single/multiple transmitters
- Level/pressure/differential pressure/bubble assemblies
- O'Brien, intertec and other enclosure types
- Heat traced sample lines
- Junction boxes for power/single/heat trace terminations

Class 1 Div 1/Div 2 and Zone 1/Zone 2 certified

Truck & Rail Terminals

Truck and rail unload solutions that work for you:
- Spartan's TruckVue™ and RailVue™ unloading and loading systems for multiple track and rail terminal operations
- Spartan's TUS FB107 unloading system for single-riser truck and transloader (truck to rail) applications


Oil & Gas Field, Service Rigs & Trucks

Experience with different types of assemblies such as:
- Nitrogen and acid pumping units
- Coiled tubing units
- Hydration units
- Workover rigs
- Drilling rigs
- Data vans
- Quality control vans

Complete assembled units include:
- HMI main control panels
- Drillers panels
- Junction boxes
- AC distribution boxes
- Dash panels
- Gauge panels
- Pumper control panels
- Consoles
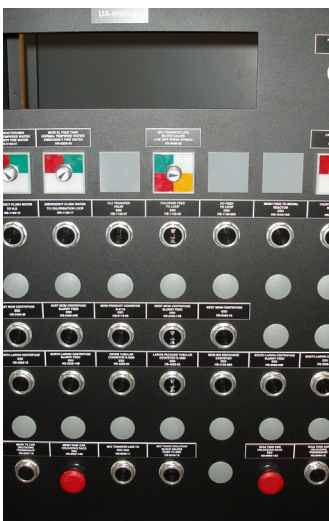
Operator Consoles

Extensive experience with small and large consoles including:
- Complete solutions or back plates
- Subcontracted for installation and wiring at local contractor manufacturing facilities
- Electrical certification
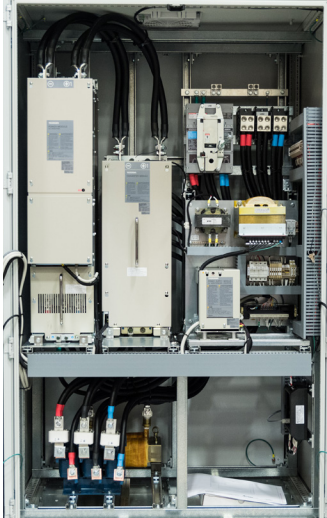
Variable Frequency Drives

Customized packaged solutions and local support capabilities, including:

- Low voltage packaging
- Unmatched product inventory
- Repair & testing
- Commissioning, start-up, troubleshooting and maintenance support 24/7
- Application and technical sales support
- 24/7 phone support

Staging

- Currently the staging area and available facilities include over 10,000 ft^2 of open dividable space. This includes secure office/meeting area. The cabinet layout will determine the space required for staging. The pricing and charges will be adjusted accordingly to actual requirements.
- The staging area can provide sufficient electrical power for all equipment under test to be energized, both 24 VDC and 120 VAC (60 Hz power as a standard). Adequate building grounding will also be in place.
- Additional power requirements can be made available. Excessive power requirements for panel testing are to be discussed with the project manager at time of order.
- Customer supplied cabinets and equipment will require a power requirement schedule.
- Custom-sized areas can also be made available for the Customer, which would be determined prior to proposal. Any deviations shall be identified and flagged with all options and/or opportunities identified in a separate section titled "Options and Deviations." Prices will be detailed in a clear manner so equipment additions or deletions can be made without a total re-quote.

CUSTOMER FIRST

Spartan Controls Ltd. is the recognized leading provider of industrial automation, valves, measurement and process controls technology and solutions for process industries in Western Canada. Our unique partnership with Emerson and other leading solution providers enables us to connect our Customers with world-class technology, superior technical expertise and full lifecycle services.

We are a Canadian, employee-owned company with project experience spanning multiple industries. Our single point of contact reduces cost, improves the Customer experience and allows us to quickly apply solutions and services to meet our Customer's automation challenges head-on.

We invest to earn your business; we invest more to keep it.

Call us or request a quote online 24/7
+ 1 (877) 278-6404

British Columbia
Burnaby +1 (604) 422-3700 · Fort St. John +1 (250) 785-0285 · Prince George +1 (250) 960-9765

Alberta
Calgary +1 (403) 207-0700 · Edmonton +1 (780) 468-5463 · Fort McMurray +1 (780) 790-0440
Grande Prairie +1 (780) 539-1161 · Whitecourt +1 (780) 778-5445

Saskatchewan
Midale +1 (306) 458-2223 · Regina +1 (306) 721-6925 · Saskatoon +1 (306) 934-3484

Visit us online
www.spartancontrols.com | info@spartancontrols.com