PROVEN ATMOSPHERIC MONITORING AND PROCESS CONTROL

CELEBRATING

45 YEARS OF SERVICE

1968 - 2013

MINING PRODUCTS – CANADA AND INTERNATIONAL
For 45 years, Conspec has pioneered the design, development and manufacturing of environmental and atmospheric monitoring, process control and safety technology relied upon by mining operations all over the world. Through our decades of collaboration with industry leading mining operations, government/industry research institutes, and strategic corporate partners, Conspec provides the best protection available for your personnel, property and equipment. Conspec is an industry leader in innovative and cost-effective solutions that maximize your operation’s performance, production and profits.

Our range of environmental and condition monitors, field and area control equipment, tracking systems, communications solutions, and PLC/SCADA software systems are designed, built and tested to thrive in the harshest of conditions and environments.

As an integrated designer and manufacturer of software systems, field sensing devices and technology, communications technologies and equipment & systems controllers, as well as on OEM integrator for a global array of strategic partners, at Conspec we understand and excel in surmounting the diverse challenges that may arise in even the most complex underground mining operation.

And at Conspec, we are committed to quality. By employing the strictest testing procedures and protocols in our design and manufacturing processes, and independently verifying our quality management systems and procedures through the use of accreditations such as ISO 9001:2008, and independently certifying our designs and products at independent testing authorities at Conspec ensure your mine the best in manufacturing, integration, customer service, support and training.
Intrinsically Safe Atmospheric Monitoring Systems for Underground Coal Mines

The toughest job on earth deserves the toughest atmospheric monitoring system on earth. For 45 years, Conspec’s atmospheric monitoring systems have been entrusted by the world’s most productive coal mines for the safety of their employees, equipment and property. These solutions have been deployed in over 150 underground coal operations worldwide, ranging from the largest longwall operations, to the most complex room & pillar operations, to systems custom engineered to provide cost-effective and reliable monitoring for even some of the smallest operators.

As each operation brings unique challenges, our individualized approach to systems integration uses a variety of reliable, intrinsically safe (MSHA, GB, IECeX and ATEX certified) sensing technologies for gas and atmospheric conditions (toxic and combustible gases, dust, smoke, temperature (dry and wet bulb), humidity, barometric pressure and air flow) through the use of our P2065 Series Monitors, our Smart Head Controllers & Sensors and intrinsically safe power supplies & remote field devices.

These solutions can be easily interfaced through networked I/O processors (dedicated custom programmed low power I/O device Accessors and local controllers, low power UNIX based I/O processors and soft PLCs, and a wide assortment of industry standard PLCs) into a mine wide monitoring and control system and integrated within our Conspec Senturion AMS/SCADA Software System.

Ventilation on Demand Systems for Underground Hard Rock Mines

Over the years the cost of mining operations has increased significantly, in part due to the rising cost of electrical power. Ventilation can account for 35-60% of an underground mine’s energy consumption, translating into the tens of millions of dollars per year. As such, it has become imperative to develop long-term sustainable underground ventilation infrastructures that exhibit low power consumption.

As many studies have shown, the benefits of a Ventilation on Demand (VOD) system are numerous. Most notably, implementation of a VOD system has shown to provide a 20-50% reduction in ventilation energy costs, as unnecessary ventilation of areas without personnel or equipment is reduced. Tests have also shown that VOD systems improve overall mine productivity, reduce overextension of skilled labour, lower carbon emissions and improve mine safety.

For 45 years, Conspec has been a pioneer in the development of integrated Ventilation on Demand Solutions through the use of controllers, atmospheric (gas, dust, smoke, particulate matter, airflow, weather stations) monitors, equipment (fans, power centers) monitors & interfaces, personnel/vehicle tracking systems, and SCADA software systems.

This provides an inexpensive, integrated, reliable and scalable solution for optimizing your operation’s underground ventilation. Furthermore, Conspec continually expands our capabilities in providing VOD systems through continuous research and product development in strategic partnerships with key academic and governmental institutions, as well as in partnerships with other industry leading software, instrumentation and communications solution providers, to deliver dynamic and robust VOD solutions for any underground mining operation.

Mine Plant Management and Process Control Systems

As both the surface and underground operations of a mining plant become increasingly complex, the need for full mine plant management and integrated process control systems have become even more essential for a successful operation. Since 1968, Conspec Controls has been designing, manufacturing and integrating solutions purposely built with the mining industry in mind.

With our global experience in integrating the diverse systems in many of the world’s leading mining operations, our hardware, software and integration solutions can be easily custom tailored to provide your single or multi-mine operation with the most efficient process controls in all your systems, resulting in increased profits from productivity increases, reductions in energy and operations costs, while providing the added benefit of increased safety for your operation’s assets and employees.
Born out of Conspec’s decades of experience in the mining industry, the Conspec Smart Head Monitoring System achieves perfection in gas detection and conditional monitoring. The Smart Head System is a versatile, robust solution that allows greater flexibility with less complexity and lower costs.

The Smart Head Controller integrated monitoring station is designed to reduce cost, equipment redundancy and configuration time. Each Smart Head Controller can interface with up to eight interchangeable Smart Head Sensors for toxic and combustible gases, airflow, weather station or any choice of analog sensors (a 16 Smart Head firmware upgrade will be available in Winter 2013-14). All serial communications uses the MODBUS RTU open protocol which is a rugged, secure industry-standard protocol. It also has functions for calibration, alarm configuration, digital outputs for alarming or basic fan control and additional data memory.

The Smart Head Sensor (Internal or Remote) consists of a micro-processor, sensor, temperature sensor and memory to store configuration parameters, current readings and calibration history. The Smart Head Sensor digitizes the signal directly at the sensor. The value read from the sensor cell is then linearized, temperature compensated and scaled into units that the particular Smart Head is calibrated for. The Smart Head Sensor continuously transmits the value to the Controller, along with temperature, operating voltage and other operational parameters.

Since all important operating parameters are stored in each Smart Head, such as unique serial numbers for unit lifetime tracking, this allows management to plan maintenance rather than respond to critical sensor failure as with traditional monitors.
**T1200 SMART HEAD CONTROLLER**

**KEY FEATURES**
- Low cost by monitoring up to 8 sensors from 1 controller (a firmware upgrade to monitor up to 16 sensors will be available Winter 2013-14).
- Plug & play sensors. Smart Head Controller auto-detects and configures itself to default settings for the specific Smart Head Sensor type connected to it internally or via local Smart Head Trunk.
- Preventative maintenance condition monitoring. Calibration alert mode can be activated to remind users ahead of pre-planned calibration schedule for each attached Smart Head Sensor. Calibration history for each Smart Head Sensor analysis can be activated to alert of need for plug-in sensor replacement.
- MODBUS RTU protocol over Conspec Trunk, RS-485 or RS-232. Ease of connectivity to communications devices such as fibre optic or leaky feeder modem, Minetrax network Node or NLT WIOD device, among others.
- Easily configurable via on-board menu for direct manual programming and configuration, Smart Head Sensor calibration or system diagnostics.
- Easily remotely configurable via Conspec CDI or Conspec Senturion Software for remote manual programming and configuration, system diagnostics or remote Smart Head Sensor calibration.
- 3 user programmable alarm levels per attached sensor. OSHA recommended alarm settings factory pre-configured.
- IECeX and ATEX Ex ia certified for use in Hazardous Environments. (MSHA & CSA pending).
- Low power consumption (50mA full range).
- Increased accuracy in fault finding.
- 4 Digital outputs for local alarming and control features.
- Rugged NEMA 4x/IP67 anti-static nylon & stainless steel enclosure.
- A Clear 3.5” backlit LCD display.
- 4 status LEDs.
- Large 4 water-proof button non-intrusive menu pad.
- Automatic reset after power loss/interruption.
- High immunity to RFI & EMI.
- 4-wire serial wiring to the Smart Head sensors reduce duplicate wiring and allow sensors to be added “on the fly.”

**SMART HEAD SENSOR**

**KEY FEATURES**
- Low power consumption (10mA to 60mA depending on sensor type).
- Supports several gas sensing technologies (Infra-red, UV Photo-Ionization, Electrochemical, Catalytic Bead, Low Power Infra-red). Other sensing technologies may be requested depending on the application.
- Supports several atmospheric sensing technologies (Air Velocity, Mini-Weather Station (Dry Bulb Temperature, Barometric Pressure, Humidity & Wet Bulb Temperature), Smoke & Dust. Other Sensor types available upon request.
- Increased sensor data using the MODBUS RTU communications protocol. Systems may be configured to read each Smart Head Sensor as an individual MODBUS device or for access via the Smart Head Controller.
- Supports several analog inputs to digitize the sensor signal and monitor 3rd party devices and sensors. (4~20mA and 0-5V inputs).
- Reduced signal noise as the signal is digitized at the source.
- Real-time sensor analysis with lifetime sensor records stored in on-board memory.
- Temperature compensated sensor readings.
- Rugged NEMA 4x/IP67 anti-static nylon & stainless steel enclosure.
- Long sensor life.
- High immunity to RFI & EMI.

**Smart Head Gas Sensors**: Ammonia (NH₃), Carbon Monoxide (CO), Carbon Dioxide (CO₂), Chlorine (Cl₂), Ethylene Oxide (ETO), Hydrogen (H₂), Hydrogen Chloride (HCl), Hydrogen Cyanide (HCN), Hydrogen Sulfide (H₂S), Methane (CH₄), Nitric Oxide (NO), Nitrogen Dioxide (NO₂), Oxygen (O₂), Ozone (O₃), Propane (C₃H₈), Sulfur Dioxide (SO₂) and various Volatile Organic Compounds (VOCs).

**Smart Head Atmospheric Condition Sensors**: Mini-Weather Station (Barometric Pressure, Humidity and Temperature (Dry and Wet Bulb)), Bi-Directional Air Velocity (-15.0m/s to +15.0m/s), Smoke, Total Dust Particulates (TDP).

**Smart Head 3rd Party Equipment/Sensor Interfaces**: Dual 4~20mA Input, Dual 0-5VDC Input.
In a dynamic underground mining operation the active face, headers and slopes are constantly changing with the demands of production. This has traditionally presented a challenge in providing atmospheric and conditions monitoring in this kind of environment, whether it be along a moving longwall face, in blasting zones or around a soon to be collapsed room or header. In such areas, the costs and practicality of cabling for power and communications has seemed to exclude mine plant management, environmental monitoring and control solutions for the areas of an operation where they tend to be needed the most.

For decades Conspec has been actively developing solutions to extend data and voice communications in a practical and affordable manner to address these difficulties experienced in every mining operation. From the introduction of the Conspec-Rimtech VHF radio communications system in the 90s, to our introduction of intrinsically safe Personnel and Vehicle trackers a decade ago, at Conspec we continue our industry leading product development to address these challenges, with the introduction of our Smart Head Wireless Gas Transmitters and Monitors.

Along with our Strategic Technology Partners of the Newtrax Alliance (Newtrax, MDT, Isaac), Northern Light Technologies, Becker Wholesale Mine Supply and Becker-Varis, Conspec is pleased to offer the first of many products to address the needs of extending atmospheric monitoring and process controls to areas of a mining operation which, until now, these services could not be provided.

Conspec’s Smart Head Wireless Atmospheric Transmitters and Monitors have been designed to extend the capabilities of a centralized atmospheric monitoring system to provide increased safety, productivity and cost savings by enabling spot gas and environmental monitoring for locations and applications where the limits of traditional gas monitors prevented their use in the past.

Conspec’s Minetrax Enabled Wireless Gas Transmitters and Conspec-Northern Light Technologies WIOD Gas Monitors are designed to provide long-term wireless atmospheric monitoring in areas of your underground operation where it is impractical cables for power and data transmission to be installed, such as along a dynamic longwall face.

Additionally, Conspec’s Smart Head Wireless Gas Transmitters and Monitors may also be deployed in areas of a mine where atmospheric monitoring is desired only for a short period, such as in blasting areas or when collapsing a room or slope.

And because our Wireless Transmitters and Monitors have been developed using the same Smart Head technology of our fixed atmospheric monitoring offerings, you can be assured of the same performance excellence and product quality expected from Conspec without having to needlessly having to rely on inferior sensor technologies that may not be up to the challenges of all the rigours of an underground mining environment.
### Conspec/Newtrax

**Minetrax Network Gas Transmitter**

**Key Features**

- No wiring required. Transmitter can be deployed in minutes where the Minetrax Networking Platform is installed.
- Easily re-deployable when monitoring needs change, such as for monitoring during blasting or on a dynamic longwall face.
- Battery life exceeds 45 Days on a single D-cell battery.
- Supports several gas sensing technologies (Electrochemical, Catalytic Bead, Low Power Infra-red). Other sensor types are available or coming available Winter 2013-14.
- Temperature compensated sensor readings.
- Superior accuracy in fault finding.
- Real-time sensor analysis with lifetime sensor records stored in on-board memory. Sensor records can be easily accessed for preventative maintenance using Conspec’s CDI software program.
- Increased sensor data using the MODBUS protocol.
- Rugged NEMA 4x/IP 67 antistatic nylon & stainless steel enclosure.
- 2 bright LED status indicators.
- Long sensor life.
- Magnetic switch for on/off.
- Remote configuration, calibration and diagnostics available via Conspec’s CDI, Conspec’s Senturion or Minetrax SCADA.
- Reliable and stable operation.
- High immunity to RFI & EMI.
- For additional information about the Minetrax Networking Platform by Newtrax can be found at their website at www.newtrax.com. Additional information about Conspec Technology Partners that share the Minetrax Networking Platform – Mine Design Technologies (MDT) and Issac Instruments – can be found at www.conspec.ca.

### Northern Light Technologies/Conspec

**WIOD Wifi Gas Monitor**

**Key Features**

- Transmits over standard 2.4GHz 802.11 b/g/n WiFi eliminating costly cable or fibre runs where any surface or underground WiFi network is available.
- Additional security provided using WEP, WPA/WPA2 Authorization.
- Available as a line powered device using an external power supply, with optional rechargeable Li-ion backup battery, or with a non-rechargeable primary lithium battery for longer term deployments where no line power is available.
- Supports several gas sensing technologies (Electrochemical, Catalytic Bead, Low Power Infra-red, Infra-red, UV Photo-Ionization). Other sensor types are available or coming available Winter 2013-14.
- Temperature compensated sensor readings.
- Superior accuracy in fault finding.
- Real-time sensor analysis with lifetime sensor records stored in on-board memory. Sensor records can be easily accessed for preventative maintenance using Conspec’s CDI software program.
- Increased sensor data using the MODBUS protocol.
- Rugged NEMA 4x/IP 67 ABS Polycarbonate Enclosure and NEMA 4x/IP 67 Anti-Static Nylon Sensor Cell Assembly.
- 56mm x 21mm bright LCD display.
- Bright On/Off and WiFi LED indicators.
- Large 9 water-proof button non-intrusive menu pad.
- 32 Gb Max on-board data buffering.
- WiFi trackable device.
- Long sensor life.
- Remote configuration, calibration and diagnostics available via Conspec’s CDI, Conspec’s Senturion, NLT Digital Mines software. Compatible with most standard SCADA software.
- Reliable and stable operation.
- High immunity to RFI & EMI.
- For additional information about Northern Light Technologies (NLT) Netport and WIOD 2.4Ghz & 5Ghz 802.11 WiFi networking and communications solutions and devices can be found at www.nltinc.com.
As mining operations increase automation to improve productivity, reduce electrical costs and increase safety, there are times where a more integrated approach to atmospheric monitoring is required. With this in mind, Conspec has developed the T1250 Smart Head Powered Environmental Monitoring and Local Control Station.

Powered by a Smart Head controller for environmental monitoring, Conspec’s Local Control Station affords all the benefits of an integrated multi-channel controller to provide full monitoring of the atmospheric conditions near the Station, such as is typically found in the deployment of gas and environmental monitoring and fan control station. Additionally, because the signals from Conspec’s Smart Head Remote Sensors are digitized at the source, a sensor can be deployed up to 4000’ (1500m) away from the T1250 Environmental Monitoring and Local Control Station to monitor a specific environmental condition along an entire line or down the length of an extended slope, such as Carbon Monoxide (CO) monitoring for early fire detection along conveyor belts.

In addition, Conspec’s T1250 Environmental Monitoring and Local Control Station has far more processing capabilities than a typical gas monitoring station. Equipped with a Conspec T1008 Multi-I/O Controller, the station provides a mining operation with robust process control capabilities for any local controller needs. With up to 16 Digital Inputs, 8 Digital Outputs, Up to 8 Analog 0-5 Volt Inputs, 1 Pulse Accumulator Frequency (0-10000Hz) and 1 Isolated Pulse Accumulator Event Counter Input, along with the additional 4 Digital Inputs and up to 8 Analog (4~20mA) Inputs from the built in Smart Head Controller, Conspec’s Local Control Station is ideally suited to act as a control station where the cost and complexity of a dedicated PLC is not required.

Conspec’s T1250 Environmental Monitoring and Local Control Station can be factory pre-programmed at a fraction of the time and cost of a dedicated PLC to suit your specific application, whether it be fan, conveyor, flue, pump, hatch or controls for any other desired application or device, or can be controlled and sequenced centrally “on the fly” through either Conspec’s Senturion SCADA System or any standard SCADA software.

Because of all the diverse types communications infrastructure available in a given mining operation, Conspec’s T1250 Environmental Monitoring and Local Control Station can be configured with your choice of modems for MODBUS communications via Conspec Trunk (Conspec Legacy or MODBUS protocols), Standard Ethernet over Copper, Single or Multi-Mode Fibre Modem, Wireless UHF or VHF Leaky Feeder, WiFi via Northern Light Technologies WIOD, Connection via RS-232 to the Minetrax Network Infrastructure or connection to any RS-485 MODBUS device or network in place, thus eliminating the need to install additional infrastructure to connect the Local Control Station to your mine’s network.

Since any downtime could prove costly in terms of productivity and safety to your mining operation, an optional 48 hour removable, rechargeable internal battery back-up can be installed in Conspec’s T1250 Environmental Monitoring & Local Control Station to provide either crucial power to continue monitoring and control operations such as gas monitoring and alarming during a local power outage or to deploy the station where additional cabling for power is impractical.
KEY FEATURES

• Full capabilities of a Conspec Smart Head Controller (see pages 4-5) and a Conspec T1008 Multi-I/O processor (see page 9) in an integrated device.

• Integrated solution for environmental monitoring and local process controls in one unit, dramatically reducing system integration costs in installation, configuration and maintenance.

• Factory programming to your operation’s individual requirements can be performed in a fraction of the time and cost of a standard “off-the-shelf” PLC. (Full on-board sequence scripting via the Smart Head keypad HMI interface and PC-based programming and scripting tool coming in 2014. Basic remote process controls and monitoring available via Conspec’s CDI software free with Station).

• Can be controlled and sequenced “on-the-fly” via Conspec’s Senturion SCADA system or any standard SCADA software.

• Available in versions to connect to Conspec Trunk (Legacy or MODBUS), or via MODBUS through copper, single or multi-mode fiber, UHF/VHF leaky feeder, RS-232 or RS-485. Can be connected to and configured to operate through Minetraz Network Infrastructure (RS-232 connection to Minetraz Node) and WiFi through Northern Light Technologies’ WIOD (RS-485 Connection).

• 8 Digital Inputs, 8 Digital Outputs, 4 Analog 0-5Volt Inputs, 1 Analog 4~20mA Input, 1 Pulse Accumulator 0-10000Hz Frequency Input and 1 Pulse Accumulator Event Counter Input Standard. Optional Additional 8 Digital Inputs, 4 Analog 0-5 Volt Inputs and up to 8 Analog 4~20mA Inputs available.

• Optional Removable Rechargeable 48 Hour Battery Back-Up Available.

• Low power consumption (80-150mA full range plus power requirements of attached sensors and devices).

• Rugged NEMA 4x/IP67 powder coated Rittal steel enclosure.

• A Clear 3.5” backlit LCD display. Optional Additional 6 segment LCD display for Multi-I/O card monitoring.

• 3 Large Status LEDs (Normal, Low Alarm, High Alarm) for environmental monitoring, 6 small status LEDs (Station Power, Battery on/off, Smart Head Power, Alarm, Fault, Comm.)

• Large 4 water-proof button non-intrusive menu pad.

• Automatic reset after power loss/interruption.

• High immunity to RFI & EMI.

Conspec’s T1008 Multi-Function I/O Controller was conceived to provide local device/systems monitoring and process controls to resolve the complexity of programming and excessive costs related to purchase, installation and maintenance of “off-the-shelf” PLCs in a mining environment. These devices can be either factory pre-programmed to serve customer specific requirements or via any MODBUS communications infrastructure, controlled via “on-the-fly” by either Conspec’s Senturion SCADA software system or any standard SCADA software package, conditional and timed sequences.

Conspec’s T1008 Multi-Function I/O Controller includes as standard 8 digital inputs, 8 digital outputs, 4 Analog inputs (0-5V), 1 Pulse Accumulator Frequency Input (0-10000Hz) and 1 Pulse Accumulator Event Counter Input. Additional Digital and Analog Input modules may be connected to the Controller.
Conspec’s Senturion is an advanced modular and scalable monitoring and SCADA control system specifically designed for the needs of the underground mining industry. Using real-time data acquisition, the system provides true intelligence to optimize your mining operations.

Developed with continual improvements over the last four decades, the Senturion SCADA Central Station connects all your Conspec monitors, transmitters, controllers and field devices to provide the backbone for your mine’s monitoring and control system. This allows you to gather all the information at a central location so you can make informed and intelligent decisions to easily optimize your operation.

Data reliability is an important feature of the Conspec Senturion. We understand that the information gathered from the field devices are crucial in making the right decision at the right time. Maintaining a safe and secure work environment is our top priority and concern. The Senturion is designed with that in mind.

With this information, Conspec’s Senturion software enables you to easily script and implement condition-based control sequences for alarming and equipment control, to synchronize equipment for maximum efficiency, to isolate faulty equipment for speedy maintenance and to plan preventative maintenance for any device connected to the backbone, based on incoming data and historical trending.

The Senturion’s OPC architecture allows you to easily collaborate with other systems for alarming, communications, process control, vehicle and personnel tracking and ventilation modelling. It also enables you to analyse all information on any computer in your operation or across the net, so you can proactively seek out means to improve the efficiency, productivity and safety of your operation.
The Senturion’s web and mobile applications are particularly valuable by providing secure remote access. Allowing key personnel the ability to review field data to make decisions regardless of location onsite or off can often be critical. This not only increases efficiency, it can also help guard against disaster by allowing key personnel to perform immediate remedial action, saving time, costs, potential equipment damage or injury to personnel.

Designed to be modular and scalable, Conspec’s Senturion System is easily configurable to fit the changing needs and dynamic conditions of underground operations of any size. Conspec’s Senturion system can be adapted as your mining requirements change. Advanced customizing features allow for maximum flexibility and ease of use.

**KEY FEATURES**

- **OPC Connectivity.**
- Supports up to 25,000 system points on 32 unique “system MODBUS communications trunks.” Ideal for monitoring and control in large multi-level/local multi-mine operations, to control separately underground and aboveground operations, to control separately ventilation, conveyor, pump and PLC based systems or to separate I/S from non-I/S equipment in a coal mining operation.
- Modular system design enabling you to select only the features you require.
- Unix Based “System Primary” I/O Controllers to maximize system up-time.
- System Server running on your choice of Windows XP/7/8 on Dedicated Industrial Grade Rack Mount Servers by Stealth Computers (www.stealth.com).
- Easy to use English language based process control script editor for easy sequence programming.
- Graphical Configuration Interface for ease of system configuration.
- Windows based Terminal Program for user-controlled access and control of full system from any computer on your operation’s network or via internet connection.
- Web based graphical terminal server for system monitoring from any computer on your operation’s network or via secure internet connection for users without permissions to change or control the system. Ideal for emergency monitoring from security offices, corporate offices, etc.
- Android Phone/Tablet Secure Terminal App for remote monitoring/control wherever a phone network or WiFi network is available.
- Optional CAD Module for advanced system design with advanced engineering/electrical tools.
- Extensive library of pre-configured reports based on reporting requirements for many jurisdictions.
- Historical Trending with analysis and export tools for advanced system analysis and reporting.
- Live Trending of current readings for easy detection of any anomalies.
- Live and historical display and storage of all system readings.
- Audible and visual alarms at all terminals, servers and programmed remote alarms based on user defined alarm set points.
- Dedicated System Point page views with password protected alarm acknowledgement.
- Unicode based multi-language support.
- Unlimited remote terminals without additional charge.
- System can be redeployed to other operations without reconfiguration by Conspec, such as when one mine site closes and equipment is redeployed to another site.
- Unlimited web, email and phone support at no cost. Unlimited Software patches and upgrades for 3 years from purchase at no cost.
To know more about Conspec Controls and its complete line of gas monitoring devices, call 1 (877) 526-6773, or visit www.conspec.ca