

Insights

Intrepid Group Newsletter

V4 2026

Application Knowledge

Innovation Corner

Product Feature

Field Insight and more





Contents

- 3 [Consilium's MPS TrueLEL™](#)
- 4 [Meet the Team](#)
- 5 [Rethinking Capital Projects](#)
- 6 [Introducing Endress+Hauser Gas Measurement Products](#)
- 8 [Spirax Sarco Steam Audit](#)
- 9 [Announcements](#)
- 10 [Line card](#)
- 12 [Upcoming Events](#)

Message from MD

In our industry, when speaking of value, it's easy to get caught up in overused language like solutions, partnerships and innovation. We often use these words interchangeably and consistently. I catch myself doing it too. When you truly break it down, what people value hasn't changed. As my mom would remind me: "treat others the way you want to be treated."

Simple in theory, not always in practice. It means being honest when something isn't the right fit or not ideal or difficult. Showing up when it matters, not just when there's an opportunity. Listening more than talking. Building trust through consistency, not fancy presentations.

In this issue of *Insights*, we share our approach to being a Main Instrumentation Vendor (MIV). We focus on being easy to work with, clear in communication and dependable in execution. It's how we solve problems together and make meaningful change.

The industry doesn't need more noise, slogans or buzz words. It needs the basics done well. Simple, collaborative, deep relationships that last.

Who knew, I think Mom was right!

Enjoy *Insights*.



Shawn Dietrich,
Managing Director

Consilium's MPS TrueLEL™

Lowers total cost ownership while providing highest degree of protection

Consilium For sites that face mixed combustible hazards (including H₂) and want to cut routine field work, Consilium's molecular property spectrometer (MPS) TrueLEL is designed to reduce total cost of ownership by extending calibration cycles while improving reliability in environments that commonly degrade catalytic sensors.

Compared with infrared detection (IR), MPS can cover hydrogen and hydrocarbons in one sensor, reducing the need for multi-technology deployments and the associated commissioning, spares and ongoing labor.

Catalytic overview:

- + Lowest capex (typical); widely used, simple LEL point detection
- + Detects H₂ and many combustibles
- Higher Opex: typically requires frequent calibration/verification (e.g., ≤ 3 months in clean air is a common baseline for most industrial applications) and more technician access
- Sensitive to poisons / inhibitors; can "look healthy" while under-reading (safety risk) and can have burn-out risk at high concentrations



Infrared overview:

- + Fast response among common fixed LEL sensor types (typ. T90 ~4 s for methane)
- + High resistance to catalytic poisons, strong diagnostics, often factory calibrated with reduced routine calibration burden (still requires inspection/bump tests)
- Cannot detect H₂ (hydrogen is IR-inactive for typical NDIR LEL measurement), driving added sensors/technology if H₂ is required
- Higher capex (typical) and can be gas-specific (accuracy degrades if used far outside its calibration gas family)

MPS overview:

- + TrueLEL, multi-gas coverage: measures 14 flammables, including H₂, with no correction factors and one detector decision
- + Lower opex: lowest requirement of calibration/verification; fewer routine interventions than catalytic programs
- + Poisoning-resistant + no burn-out (per Consilium sensor-type matrix); improves uptime and reduces sensor replacement frequency driven by contamination events
- Suitability in anaerobic/inert atmospheres (vs IR)

Cost-focused recommendation

If your facility has any hydrogen gas or changing/flammable gases, specifying Consilium MPS delivers the lowest lifecycle cost by minimizing routine calibration labour, reducing poisoning-driven replacements and avoiding multi-technology designs needed. In most industrial deployments, the opex reduction (labour, access, downtime risk) is the dominant cost driver, making MPS the best cost-performance choice where it fits the atmosphere and application constraints.

Compact Comparison

Metric	Catalytic	Point IR (NDIR)	Consilium MPS (TrueLEL)
Capex	Low	High	Low
Opex (calibration frequency & labor)	High: frequent calibration/verification (baseline example: ≤6 mo) + more service calls after poisoning events	Medium: periodic inspection/ bump tests; factory calibrated, routine calibration often not required (re-zero/ span as needed)	Low: Limited calibration/ verification requirements. Routine calibration not required
Sensor life	Typically 3-5 yrs (environment dependent)	5+ yrs	>10+ yrs
H₂ detection	Yes	No	Yes
Poisoning resistance	Low (silicones/poisons are a known issue)	High	High
Response time (T90)	~22 s	~4 s	~20 s
False-alarm tendency	Medium-high: drift/ poisoning + wrong-gas calibration can cause bad readings (incl. under-reading risk)	Low-medium: good diagnostics; but gas-specific accuracy limits and no H ₂ detection can create blind spots	Low: TrueLEL multi-gas + drift/poisoning resistance reduce nuisance alarms and missed alarms
Suitability for inert atmospheres	No	Yes	Limited

Through our partnership with Consilium, we can offer all three of these technologies along with many others to meet your safety requirements — contact us today sales@intrepid-group.ca

Meet the Team

Michael Surcon was born and raised in rural Saskatchewan, where he developed strong values around hard work, integrity, and community. With a 30-year career in sales, Michael has built a reputation as a trusted professional who puts relationships first.

Throughout his career, he has focused on helping clients solve problems by listening carefully understanding their needs, and delivering thoughtful solutions. Known for his empathetic approach and commitment to customer service, Michael excels at building long-term relationships based on trust, reliability and genuine care for the people he works with.



Outside of work, Michael's greatest pride is his three daughters. He enjoys spending time with his dogs and unwinding in his backyard, where you'll often find him enjoying good food, relaxed beverages and quality time with family and friends.

Get in touch with Michael Surcon at 306-520-8987
msurcon@intrepid-group.ca

Rethinking Capital Projects

The value of a true instrumentation partner through a Main Instrumentation Vendor (MIV)

Capital projects are becoming more complex, with increasing pressure on cost, schedule and performance. Traditional supplier model is fragmented, transactional and reactive which often adds unnecessary interfaces, inefficiencies and risk. A Main Instrumentation Vendor (MIV) approach fundamentally changes this.

By shifting from vendor to partner, clients gain a single, accountable interface responsible for instrumentation from early design through operations. Many times, this includes embedded technical resources at no charge. This eliminates repetitive bid cycles, reduces coordination effort, and accelerates decision-making which ultimately shortens time to market.

The impact is tangible across three key areas:

- 1. Time** – Early engagement enables faster engineering decisions, immediate access to technical expertise and streamlined documentation and procurement processes.
- 2. Cost** – Volume-based pricing, reduced procurement and evaluation hours, optimized equipment selection and fewer inefficiencies across engineering and commissioning drive meaningful capital and lifecycle savings.
- 3. Risk** – Standardized technology, consistent documentation, aligned performance goals and embedded technical support reduce execution risk and improve operational reliability.

Beyond project execution, the value extends into operations. Integrated asset data, ongoing training and lifecycle support enable better maintenance strategies, improved uptime and long-term cost control.



At its core, this approach is built on partnership and deeply understanding client objectives, aligning on outcomes and delivering measurable results together. In an increasingly complex project environment, the MIV model offers a smarter, more efficient path to execution excellence.

At Intrepid Group Ltd, our team has been fortunate to be involved with several MIV projects in a variety of industries. From municipal water treatment expansions to multi-billion dollar thermal oil projects, reach out to our team to learn more as to how the MIV approach may help your organization!

Contact us at sales@intrepid-group.ca

Introducing Endress+Hauser Gas Measurement Products

Endress+Hauser 

People for Process Automation

On March 9, 2026, Intrepid Group Ltd became the official representative for Endress+Hauser's Gas Measurement (formerly SICK) product portfolio within the provinces of Alberta and Saskatchewan.

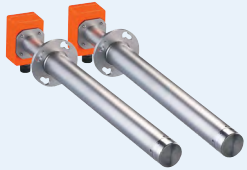
This offering represents:

- Comprehensive solution portfolio of products, systems, services and digital solutions
- Leading ultrasonic technology for gas flow measurement and the energy sources of the future
- As one of the market leaders in the field of emission monitoring, we actively contribute to the decarbonization of the industry

Product lines covered by this change (but not limited to)

Image	Product	Description
	MCS200HW Emission monitoring solution 	Compact, reliable solution for flue gas analysis • Monitors up to 12 gas components (IR, O₂, TOC) • Corrosion-resistant heated design • No test gases needed for internal calibration • Remote access via web interface • Ideal for waste incineration, power and cement plants
	GM32 Emission monitoring solution 	Measure aggressive gases directly and quickly • Measures SO₂, NO, NO₂ and NH₃, pressure and temperature in the gas duct • Direct, fast and without gas sampling and transport • Short-term process deviations can be measured • Fast on-site service possible due to modular design • Cost-effective in-situ gas analyzer • Low cost of installation and operation, no test gases required
	DUSTHUNTER T200 Particle measuring device 	Type-approved transmissiometer for medium to high dust levels • Measures dust via transmittance, calculates opacity/extinction • Self-alignment and contamination check for low maintenance • Works independently of gas conditions • EN 15267 certified for emissions monitoring



Image	Product	Description
	FlowSIC600XT Ultrasonic flowmeter 	Custody transfer natural gas measurement with intelligent diagnostic functions • Transport and storage of gas, onshore and offshore applications • Automatic adjustment of pressure and temperature influences • Available for all operating conditions • PowerIn Technology™ for reliable backup operation • Intelligent application diagnostics with i-diagnostics™ • Measuring capability up to 30% hydrogen in natural gas
	FlowSIC100 Ultrasonic flow measurement 	Accurate, low-maintenance flow monitoring for emission control • Measures volume flow in ducts of all sizes • Handles high dust and gas temps (up to 450 °C) • No pressure loss, no purge air (≤ 260 °C) • EN-compliant, ideal for industrial emission monitoring
	FlowSIC100 Flare-XT Ultrasonic flare gas measurement 	High-precision flow monitoring for flare stacks • Measures velocity, volume, mass flow, molecular weight • Ideal for refineries, chemical and gas processing plants • Supports predictive maintenance and process optimization • Complies with flare gas standards, easy retrofit options
	FlowSIC500 Ultrasonic flowmeter 	Custody transfer measurement in natural gas distribution • For municipal and regional gas suppliers, measuring stations in industrial and commercial applications • Easily integrated into existing measuring stations • Operates either in a self-sufficient energy configuration or in failsafe network operation with battery back-up • Complies with all pertinent standards and directives and provides the security of a continuous and blockage-free gas supply

To learn more or request a quote, contact Intrepid Group Ltd today sales@intrepid-group.ca

Spirax Sarco Steam Audit

Unlocking hidden energy savings with steam trap surveys



Steam systems can deliver large amounts of energy with remarkable efficiency making steam boilers the heart of any plant's energy infrastructure, yet maintenance and energy optimization of these systems are frequently overlooked. Steam traps, while small in size, play a vital role in maintaining system efficiency by removing condensate and preventing the loss of live steam. When failed traps go unnoticed, the impact can be significant energy losses and reduced reliability of the whole system.

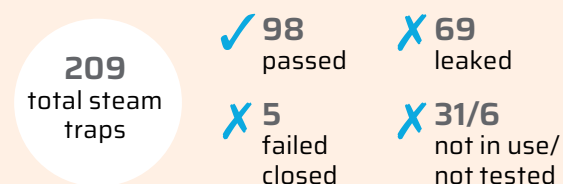
Through Intrepid Group's partnership with Spirax Sarco, our Steam Trap Survey program helps customers uncover these hidden inefficiencies and turn them into measurable savings.

What we find in the field

Industry data shows that 10–30% of steam traps in unmanaged systems fail during normal operation, often without visible signs.

A recent survey conducted at a customer facility identified a 43% failure rate due to long-overdue testing.

Results:



While these numbers may seem small relative to the total population, the impact was substantial:

- **\$270,000** annually in steam losses
- **11,360+** tons of steam wasted per year
- **2,440+** tons of associated CO₂ emissions

Even a single failed trap can waste thousands of dollars per year, multiplied across a plant, the opportunity becomes impossible to ignore.

What the Survey Delivers

Intrepid's Steam Trap Surveys go beyond simple inspection. Using proven, third-party validated methods, our technicians:

- Inspect and test every trap for performance and proper installation
- Document each asset including tag, location, size, and condition
- Analyze energy loss with quantified cost, steam loss and emissions impact
- Prioritize actions based on ROI and operational risk

It's a comprehensive, plant-wide report that provides clear, actionable insights, not just data.

Why It Matters

A properly functioning steam system:

- Reduces fuel consumption and operating costs
- Prevents water hammer and equipment damage
- Improves system reliability and uptime
- Supports emissions reduction and sustainability targets

In contrast, failed traps quietly drain energy, increase maintenance costs and reduce overall system performance.

Start Seeing Your Steam System Differently

Steam trap failures are often invisible, but their impact isn't. A targeted survey provides one of the fastest and most cost-effective ways to improve plant efficiency and recover lost energy.

Book your Steam Trap Survey with Intrepid Group Ltd today sales@intrepid-group.ca



Announcements

We are extremely excited to announce the following additions to our growing team!

Technical Representative expansion

Jared Mathieson has joined Intrepid Group out of our Calgary office. Jared moved from Saskatchewan, where he started his instrumentation career in the potash industry before spending the past twelve-plus years teaching instrumentation at Saskatchewan Polytechnic. His passion for education makes him an excellent addition to our team!

Jared.Mathieson@intrepid-group.ca

Intrepid grows Service

Robert Ancheta has joined Intrepid Group's Service Department. Robert is a graduate of SAIT and holds a diploma as an Instrumentation Technologist. Originally from the Philippines, Robert comes with experience in programming and supporting clients with their instrumentation needs.

Robert.Ancheta@intrepid-group.ca

Adding Specialist to support clients' goals

We are pleased to announce that **Aarthie Fernando** has moved into the Environmental, Energy and Efficiency Specialist role. Aarthie brings an exceptional drive to support client goals, consistently translating challenges into practical, high-value solutions.

Aarthie.Fernando@intrepid-group.ca

Spirax Sarco expansion

Intrepid has expanding our relationship with Spirax Sarco across Western Canada. As a specialist within steam applications, Spirax Sarco provides many solutions to help clients boost productivity and reliability while cutting emissions and energy waste. See page 8 and reach out to our team today to learn more!

Appointed as an authorized Channel Partner for Endress+Hauser GM products (formerly SICK)

Effective March 9, 2026, Intrepid Group Ltd, has been appointed as an authorized Channel Partner for the supply, service and support of Endress+Hauser Gas Measurement (SICK products) within the provinces of Alberta and Saskatchewan. See page 6.

New partnership with Thermon

Intrepid is proud to welcome Thermon to our growing portfolio of global partners. As an authorized distributor, our team will focus on delivering Thermon's industry leading tubing bundle and Powerblanket solutions. These products are recognized for their performance, safety and reliability in demanding industrial environments. This partnership strengthens our ability to provide innovative, dependable process heating solutions while continuing to meet the evolving needs of our customers.

MPS Gas Detector 90-Day Trial Offer!

- 90-day risk-free trial
- Full refund guarantee
- Free calibration check



Why choose Consilium's Molecular Property Spectrometer (MPS) gas sensor?

- Multi-gas detection: Detects up to 14 different combustible gases with one sensor
- No continuous calibration: Only requires bump tests
- Longer sensor lifespan: Lasts 10+ years

Contact us today to get started!

sales@intrepid-group.ca
1-800-543-9152

Caring is our strength.
People are our cause.
Measurement is our game.

Partnerships



Endress+Hauser
Solutions

Flow

- Coriolis
- Magnetic
- Ultrasonic
- Vortex
- Thermal
- Differential

Level

- Radar
- Ultrasonic
- Capacitance
- Vibronic
- Nuclear

Analysis

- pH, ORP
- Turbidity
- Conductivity
- DO
- Photometers
- Colorimetric
- Optical

Pressure Temperature Gas Measurement System Components Solutions Services



Representative for Alberta
and Saskatchewan



Excellence Since 1953

- Pressure and Temperature Gauges
- Pressure and Temperature Transmitters
- Pressure Switches
- Needle Valves, Block and Bleed Valves, Manifolds
- Diaphragm Seals
- Pressure and Temperature Accessories



- Non-intrusive Magnetostrictive Level Technology
 - Continuous Level
 - Interface
- Switch/Point Level



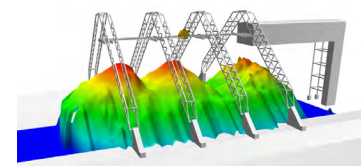
- Water Cut Analyzers
 - Non-invasive Technology
 - Microwave Technology
 - Complete Pipe Measurement
- Completely Digital Measurement
- Maintenance-Free, Proven Success



- Multivariable Transmitters | Flow Computer
- Industry Leading Accuracy
- 1.5x Upper Range Pressure Limit Proof Pressure with No Recalibration Required
- Ultra-low Power Consumption: 4mW
- Device Connectivity



- 1D, 2D, 3D Measurements and Monitoring Solutions
- Inventory Control and Process Improvements
- Bulk Solids Measurement: Flow, Volume, Distribution, Level
- Collision Avoidance
- Turn-key and/or Customized Packaged Solutions





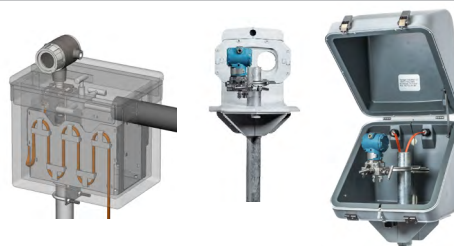
- Gas Sensors: Catalytic, Electrochemical, Infrared and Molecular Property Spectrometer (MPS) with No Sensor Poisoning
- Flame Detection with IR, UV/IR and Innovative Visual Sensors
- Flame and Gas Control Systems with Cloud-Based Solutions
- Flame and Gas Mapping Products and Services



- Diesel Particulate Monitor
- Dust Particulate Matter Monitor
- Air Velocity Monitor
- Noise Monitor
- Gas Monitors (single/multiple per monitor)



- Modular Instrument Enclosure Systems
- Heated and Non-Heated Hard Shell Enclosures
- Rigid Heated Blankets
- Backplate Heater Systems for Panels
- Specialized Pipe Stands



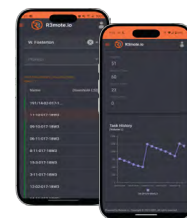
- Tubing Bundles
- Electrically Heated
- Steam or Fluid Heated
- Preinsulated Tubing
- System Accessories



- Powerblanket
- Heated Flat Blankets
- Container Temperature Control
- Custom Heating Solutions



- Delivery Optimization — timely and cost-effective secure product distribution
- Monitoring and Control of Injection Rates
- Optimization of Flow Rates to Reduce Waste
- Inactivity Alerts Avoiding Costly Downtime
- Inventory Management — visibility and data-driven insights



- Steam Traps
- Pressure Reducing Valves
- Control Valves
- Safety Relief Valves
- Flow Meters
- Pipeline Ancillaries
- Condensate and Heat Recovery Systems
- Boiler Controls and Systems
- Steam Audits
- Heat Transfer Solutions



The Ultimate Hands-on Training

Expand your team's knowledge with the types of operational, diagnostics and troubleshooting found in real-life process plants. PTU® (Process Training Unit) featuring Endress+Hauser instruments integrated with the PlantPax process automation system from Rockwell Automation — in-house or on-site and fully customizable. Contact our training coordinator IGLtraining@intrepid-group.ca.

Upcoming Events

ISA Calgary Section Golf Tournament

May 28 | Calgary, AB

CSHM Golf Tournament

June 4 | Calgary, AB

Global Energy Show

| ISA Conference

June 9-11 | Calgary, AB

Western Canada Water WCW26

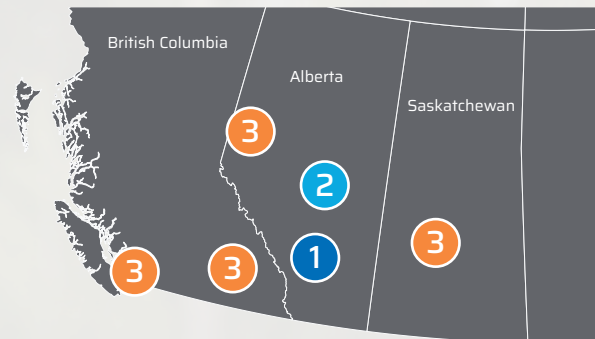
September 15-18 | Regina, SK

Llyodminster Heavy Oil Show

September 16-17 | Llyodminster, AB

The Local Advantage

- 1 Intrepid Group Ltd. Headquarters**
180-703 64 Ave SE, Calgary, AB T2H 2C3
- 2 Edmonton Training Facility**
9045 22 Ave SW, Edmonton, AB T6X 0J9
- 3 Remote Offices**
Vancouver, Nelson, Grande Prairie, Saskatoon



Vancouver

Nelson

Calgary

Edmonton

Grande Prairie

Saskatoon

Driven by Partnership

1-800-543-9152
sales@intrepid-group.ca
intrepid-group.ca

