

NEWSLETTER

Q3 2026



Spectrolytic
Innovative Solutions in Spectroscopy

Welcome to the Q3 - 2026 Newsletter

This quarter has seen Spectrolytic continue to deliver **innovative monitoring solutions that add real value for our customers**, from novel installations detecting critical oil contamination to new applications across demanding industrial environments.

We've also expanded our portfolio with the introduction of **FluidInspectIR® BenchPRO**, bringing multiple oil analysis technologies together through one connected platform.

Together, these developments demonstrate our continued focus on **turning advanced measurement technology into practical, actionable condition-monitoring solutions for our customers**.



ALL-IN-ONE BENCHTOP
FluidInspectIR® BenchPro
Full oil & asset-health picture in under 5 min.
Optional add-on: 24-element RDE-OES elemental analysis (ASTM D6595 / D6728).

- Mid-IR
- Viscosity
- Particles
- Elemental*



INLINE · ESSENTIAL
FluidInspectIR® Plus
Continuous inline monitoring — Mid-IR plus built-in viscometry.

- Mid-IR
- Viscosity



INLINE · ADVANCED
FluidInspectIR® Ultra
Inline & advanced — adds an optical particle counter.

- Mid-IR
- Viscosity
- Particles



INLINE · HAZARDOUS ZONES
FluidInspectIR® ATEX
Certified for explosive zones, with an integrated pump.

- Mid-IR
- Viscosity
- Particles
- Pump
- ATEX

ATEX Installation on Gas Compressor

THE BIGGER PICTURE

ATEX-Certified Condition Monitoring on an Offshore Oil Platform

Safety-critical environments demand condition monitoring solutions designed for the environment they operate in.

Our **ATEX-certified FluidInspectIR® system** is now being employed on an offshore oil platform, monitoring the condition of lubricant from a **large gas compressor** in a potentially hazardous area.

The system provides automated monitoring of multiple key oil condition parameters, including **TAN, Oxidation, Water, OPC KV40°C**.

By bringing these measurements together into a single automated monitoring solution, the system provides a much more complete picture of lubricant and equipment condition than relying on a single parameter or periodic sampling alone.

The ATEX certification also means FluidInspectIR® can be deployed where equipment must meet stringent requirements for use in potentially explosive atmospheres.

From hazardous environments to critical rotating equipment, continuous oil condition monitoring helps operators move from periodic testing towards earlier, data-driven intervention.



On Location: Major Steel Plant - Germany

We're pleased to see another **FluidInspectIR ULTRA** successfully installed at a major steel plant in Germany, providing continuous monitoring of **Mobil Vacuoline Gear Oil** for water contamination.

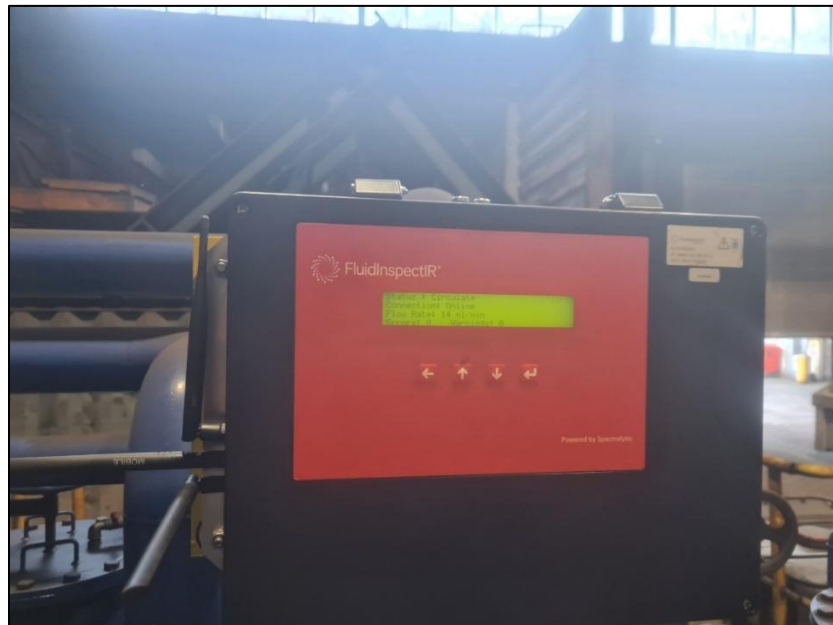
With measurements taken automatically every **15 minutes**, the system provides a level of monitoring that would be difficult to achieve through traditional periodic oil analysis.

Since installation, the system has already **rapidly identified three significant water incursions**, allowing the plant team to investigate and take action before the contamination could develop into a more serious problem.

For critical industrial assets, early detection of water contamination can make a significant difference — helping to **prevent catastrophic equipment failure, reduce unplanned downtime and avoid potentially substantial repair and replacement costs**.

This is a great example of the value of moving from periodic oil sampling to **continuous, automated condition monitoring**, where changes in oil condition can be identified as they happen rather than days or weeks later.

15-minute measurements. Early warnings. Better asset protection.



NPI – New Product Introduction



Introducing BenchPRO

FluidInspectIR®

Spectrolytic is pleased to introduce **FluidInspectIR® BenchPRO**, a new benchtop oil analysis system designed to bring comprehensive oil condition monitoring closer to the asset, the engineer and the laboratory.

BenchPRO combines **oil condition measurement, viscosity and optical particle analysis in a single analysis cycle**, delivering a comprehensive set of application-specific results from just **100 ml of oil in approximately five minutes**.

One sample. Multiple measurements. One platform.

The system can be configured for a wide range of engine, gear, hydraulic, turbomachinery, marine and other industrial oils, with

Spectrolytic's validated oil library supporting more than 100 formulations and ability to add many more.

For customers requiring additional information on wear and contamination, **BenchPRO can also be supplied with an integrated elemental analysis solution.**

Connected through one software platform

For organisations already using Spectrolytic's inline FluidInspectIR® systems, this provides an opportunity to bring **laboratory, field and continuous monitoring data together within the same software environment.**

From periodic sampling to connected condition intelligence

BenchPRO is designed to make oil analysis faster, more accessible and more connected with whether it is being used by an in-house laboratory, maintenance team, service organisation or field engineer.

With the optional elemental analyser, customers can move beyond conventional oil condition measurements and add quantified wear-metal information, while maintaining a **single sample workflow and unified software platform.**

**FluidInspectIR®BenchPRO
comprehensive oil analysis, wherever
you need it.**



Employee Spotlight: Applications and Sensor Solutions Manager – Neil Conway

Meet our Applications & Sensor Solutions Manager 

This week, we're taking a look at the varied work of Neil Conway, Applications & Sensor Solutions Manager at Spectrolytic. Neil's role spans a broad mix of technology, applications, measurement development, chemometrics, data analysis and product development.

A typical week can involve:

 Feasibility testing - Investigating novel measurement approaches for development projects.

 Test data & specifications - Reviewing measurement data, test routines and specifications.

 New product development - Supporting new product development from a measurement and technology perspective

 Algorithms & measurement development - Developing concepts for algorithms and measurement approaches that can improve sensor performance

 Chemometrics & calibration - Generating chemometric models for new applications and validating existing calibrations through laboratory work.



 Applications & installation data - Managing measurement activities and maintaining control of system installation and application data.

 Customer & sensor solutions - Working with customers to understand application requirements and develop measurement solutions around their needs.

What makes Neil's role particularly interesting is the ability to work across the whole measurement journey — from understanding the underlying science and developing the measurement approach, through to validation, application development and ultimately delivering a solution that works in the real world.

NEWSLETTER

Q3 2026



Lube Expo 2026

Last week, the Spectrolytic team headed to Lube Expo 2026 and what a show it was.

It was a fantastic opportunity to connect with the lubrication and maintenance community in person, showcase what we've been working on, and hear directly from the people working on the front line of oil condition monitoring every day.

One of the highlights of the show was the unveiling of two exciting new additions to our product range: **BenchPro** and **BenchPro Elemental**. The response from visitors was incredibly positive, and it was brilliant to see such genuine interest in what these products can offer. We'll be sharing more details on both in the coming weeks - watch this space.

We had some truly exciting conversations with potential new customers, and we're looking forward to following up on those in the weeks ahead.

A big thank you to everyone who stopped by to chat, ask questions, and take a closer look at our technology. Events like Lube Expo are a reminder of just how much passion there is in this industry - and we left feeling energised about what's coming next for Spectrolytic.

WHEN & WHERE

Lube Expo – 15th-17th September, Dusseldorf



Goodbye from the team

Wishing Charlotte All the Best for Her Next Adventure 🌍

After making a fantastic contribution to Spectrolytic across a wide range of areas, we're saying goodbye — for now — to **Charlotte Glover**, who is taking some well-earned time away to travel and see more of the world.

With a degree in Law, Charlotte has brought a broad and valuable skill set to the business, supporting everything from **IP and legislation through to technical marketing, business development and logistics**. Her ability to turn her hand to such a diverse range of activities, pick up new technology quickly and bring insight and a professional approach to everything she does has made her a real asset to Spectrolytic.

Charlotte has played an important role in helping us develop our technical marketing and business activities, while also being someone who has been a pleasure to work with along the way.

We're incredibly grateful for everything she has contributed and wish her the very best for the next chapter — and for all the adventures that come with it!

Enjoy the travelling, Charlotte, and make the most of seeing the world. 🌍 ✈️

And remember, **the door is always open at Spectrolytic if you're ever passing by — we'd be delighted to see you!**

Good luck, Charlotte, and safe travels from everyone at Spectrolytic.

Awards and Recognition

We're delighted to announce that **Spectrolytic has been shortlisted for Product Innovation of the Year at the Made in Scotland Awards 2026**. The shortlist recognises the innovation and development behind our oil condition monitoring technologies and products. We look forward to joining fellow Scottish innovators at the awards ceremony in Glasgow on 8th October.



Insider Made in Scotland Awards 2026

🕒 Thursday 8 October 2026 📍 Voco Grand Central Hotel 🎩 Black tie