NEWSLETTER
Q1 2026

Spectrolytic
Innovative Solutions in Spectroscopy

Applications & Installations

Brazil

Spectrolytic's technology platform continues to gain traction across multiple industries, with companies increasingly adopting inline fluid condition monitoring to improve reliability, reduce downtime, and enable smarter maintenance decisions.

Patrick Taylor in Brazil with ADEX and Vale team.

Early this year saw Spectrolytic venture deep into South America, as **Chief Commercial Officer Patrick Taylor** embarked on a packed visit to Brazil to strengthen relationships and push forward our growth across the region.

In Brazil Patrick linked up with our distributor **ADEX Group** and their CEO Hafid Mokdad. The agenda was full — from product training on the **FluidInspectIR® ULTRA**, to meetings with major mining organisations in Belo Horizonte, and conversations with gas engine operators, turbine owners, and marine fleet operators in Manaus.

The standout moment came at a remote mining site, where a FluidInspectIR® installation was completed on a large hydraulic system supporting ore hoppers — delivered in partnership with global mining giant **Vale S.A.** and ADEX.

Patrick oversaw the installation firsthand; his mechanical expertise proved invaluable, complemented by full remote support from the Spectrolytic installation team — a seamless blend of local presence and global capability.

WHY SOUTH AMERICA?

Mining, gas engines, turbines, and marine fleets across Brazil operate in remote, hard-to-service locations where waiting weeks for lab results simply isn't viable. **Continuous inline monitoring turns every day into a data point**, enabling faster decisions and preventing costly unplanned failures.

Mexico

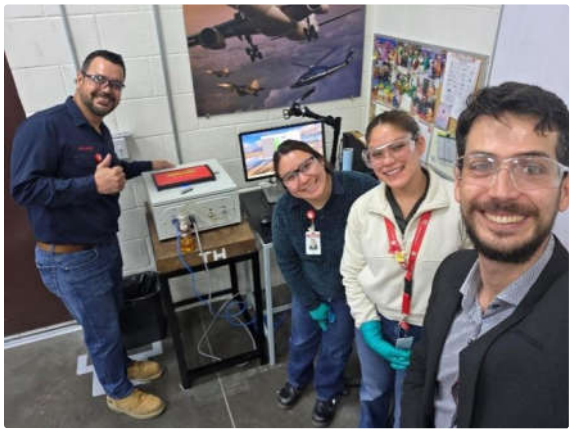
Gergely Hantos recently travelled on-site to Chihuahua, Mexico, to support the installation of our First Generation **FluidInspectIR® BenchPro** system at **Honeywell's Aerospace division** — marking another milestone in the ongoing rollout of on-site oil and fluid analysis solutions.

The system delivers lab-accurate results in under 10 minutes, enabling rapid, data-driven decisions directly at the point of use. Key indicators measured across cutting fluids included:

- **Chemical degradation** — oxidation and TAN
- **Contamination levels** — ISO 4406 particle counts, water content, and hydraulic and slideway oil leak detection
- **Kinematic viscosity at 40°C (KV40C)**

Honeywell's team gained the ability to optimise CNC machine performance, reduce downtime, and maintain peak operational reliability — precisely the impact BenchPro was designed to deliver.

FluidInspectIR® BenchPro is still in its rollout phase, but this installation demonstrated how a portable, all-in-one multi-sensor system with high-precision analysis can transform maintenance strategies in advanced manufacturing — turning fluid data into immediate, actionable insight.



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Lab-accurate results at point of use	Key fluid parameters monitored simultaneously	Disruption to production operations

Gas Turbine Installation

A recent **FluidInspectIR® ULTRA** installation on a gas turbine is already delivering real value. The ULTRA has been configured to measure key oil degradation parameters, viscosity, and optical particle count (ASTM 4406) — delivering actionable data every single day.

For this specific installation, the sensor has been configured to monitor particle contamination, viscosity, oxidation, TAN, water content, and anti-oxidant depletion — as specified by the customer.

Prior to installation, the customer relied on periodic laboratory analysis every three months, meaning issues could go undetected for extended periods. With the **FluidInspectIR® ULTRA** now inline, the customer benefits from faster decision-making, earlier detection of oil degradation, and significantly greater turbine reliability — with zero disruption to operations.

VALUE DELIVERED — GAS TURBINE

From 3-month lab cycles to daily actionable data. Continuous monitoring enables earlier intervention, reduces degradation risk, and delivers greater turbine reliability with zero operational disruption.

Aluminium Cold Rolling Plant

A new installation at an Aluminium Cold Rolling Plant marks another significant step in the deployment of Spectrolytic's inline monitoring in demanding industrial environments. This installation was realised in collaboration with **Achenbach GmbH**, the leading supplier of filtration systems for aluminium rolling, combining their deep process expertise with Spectrolytic's real-time fluid analytics. The **FluidInspectIR® Plus** now monitors cold rolling fluid chemistry in real time using its Mid-Infrared (MIR) sensor.

Previously reliant on periodic manual sampling, the plant now benefits from continuous, real-time visibility across every pass and shift — enabling faster response to chemistry deviations, tighter process control, and significantly reduced reliance on manual workflows. The partnership with Achenbach GmbH ensures seamless integration with existing filtration infrastructure, enabling a complete picture of fluid condition from filtration through to inline chemistry monitoring.

VALUE DELIVERED — ALUMINIUM PLANT

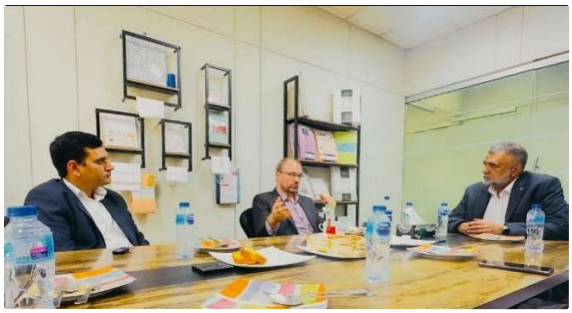
Real-time chemistry control across every pass and shift. Inline MIR sensing replaces periodic sampling, enabling immediate response to deviations and tighter process control.

2026 Visits

Spectrolytic's international reach continued to grow at the start of the year, with **CEO Carsten Giebeler** heading to Pakistan in January for a packed schedule of customer visits in support of our country distributor, **ZA Energy Systems (Pvt) Limited.**

Carsten was hosted by General Manager Muhammad Kaleem Ali, whose local expertise and strong customer relationships proved invaluable on the ground. Together, they met with customers and key stakeholders across an impressive spread of industries — Power Generation, Textile, and Railway — a testament to just how broadly Spectrolytic's technology is making an impact in the Pakistani market.

Visits like this are about much more than business development — they're an opportunity to hear directly from customers, understand their challenges, and demonstrate long-term commitment through genuine partnership. It was a strong start to 2026 on the global stage.



SECTORS ENGAGED — PAKISTAN

Power Generation **Textile** **Railway**

Each sector relies on critical fluid systems where **real-time condition monitoring can prevent costly failures and unplanned downtime** — representing significant growth potential for the FluidInspectIR® platform across Pakistan's industrial base.

Beyond the Desk

Life at Spectrolytic isn't all business — our team brings that same drive and determination to their endeavours outside of work too.

Spectrolytic's **CEO Carsten Giebeler** once again demonstrated his commitment to an incredibly important cause, completing a gruelling cycling challenge in support of the **My Name'5 Doddie Foundation** — a charity dedicated to finding a cure for Motor Neuron Disease (MND), a devastating illness that currently has no known cure.

As part of the Doddie Dashers team, Carsten and his fellow riders cycled from Melrose, Scotland to Dublin, Ireland, arriving in time to attend the final Six Nations rugby match between Scotland and Ireland. The journey covered **approximately 800 miles and 12,000 metres of climbing** — a truly demanding physical feat undertaken in the name of vital medical research and patient support.

We are incredibly proud of Carsten and all the Doddie Dashers for taking on this challenge. If you would like to support the foundation's ongoing research, please consider making a donation:
https://www.justgiving.com/page/doddiedasher5triplecrown

Carsten Takes on the Doddie Dash for MND Research Supporting the My Name'5 Doddie Foundation

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Exhibitions 2026

Lubricant Expo Europe

Following our successful appearance at Lube Expo Europe in Düsseldorf last year, we're delighted to confirm that **Spectrolytic will be returning to the show in 2026!**

🗓️ **15–17 September 2026**
Messe Düsseldorf, Germany