Lynred introduces two infrared imaging detectors for Optical Gas Imaging applications

EOLE accurately detects and inspects methane leaks, while PICO640S BB offers 24/7 monitoring option. Both enhance capabilities of oil and gas facilities to meet tougher environmental legislation

Lynred will exhibit EOLE and PICO640S BB at the Methane Mitigation Tech & Innovation Summit in Austin (TX), June 11 – 13, 2024 at booth #1

Grenoble, France, June 4, 2024 – Lynred, a leading global provider of high-quality infrared sensors for the aerospace, defense and commercial markets, today announces the introduction of two infrared imaging products offering oil and gas facility operators a range of solutions to effectively detect and inspect methane leaks, enhancing their capabilities in adhering to recently updated and stricter greenhouse gas emission rules.

EOLE and PICO640S Broad Band are innovations that demonstrate Lynred's ability to address the revised needs in the energy sector and deliver effective and accessible solutions.

EOLE, a high-performance, VGA resolution, low power consumption IR detector, is the first product Lynred is launching in this new suite of IR detectors targeting methane and other Optical Gas Imaging (OGI) applications. It was developed to meet the new regulatory requirements and designed for easy integration into imaging systems.

Lynred's lower cost solution, PICO640S Broad Band, enables 24/7 area-wide monitoring of high-risk sites to detect anomalies outside of quarterly inspection operations. It will be available for sampling in 2025.

Both IR detector models cover a wide range of OGI applications, such as handheld and UAV (Unmanned Aerial Vehicle) inspections and Continuous Monitoring Systems. Due to their great compactness, both models are compatible with portable and fixed cameras, including drone cameras. By providing solutions that aid operators in detecting, localizing and quantifying leaks, such as a gas formation cloud, EOLE enables the identification of even slight leaks, consequently triggering rapid repairs.

"Lynred is proud to introduce EOLE and PICO640S Broad Band as new offerings in the gas detection market to monitor greenhouse gas emissions and other environmental inspection operations," said Herve Bouaziz, executive president of Lynred. "Customers seeking new solutions in gas detection will benefit from EOLE's high image quality, sensitivity, compact packaging and low power consumption due to HOT (High Operating Temperature) technology, as well as its special architecture: PLUGUP, a standardized interface for easy design or upgrade of any product application. We are excited by the opportunity to help curb methane emissions, a gas recognized as a driver of climate change."

Lynred will run a live demonstration of EOLE at booth #1 at the Methane Mitigation Tech & Innovation Summit, June 11-13, 2024, in Austin (TX), highlighting how its optimized

design, with a very low noise cryocooler, outperforms other architectures. A mockup of the future uncooled PICO640S Broad Band product will also be on display.

In May 2024, the US Environment Protection Agency (EPA) issued a final ruling to cut methane emissions and strengthen reporting of greenhouse gas emissions. It requires operators to take a proactive approach in controlling emissions by improving leak detection and repair practices, as well as increase the frequency of inspections.

Methane is the second largest contributor to global warming after C02. In 2023, methane emissions from the energy sector remained near the highest record, responsible for around 120 million metric tonnes. Over 20% of methane emissions come from fossil fuel. The total length of oil and gas trunk pipelines is 2.15 million kilometers with a projected growth of more than 5% by 2027.

About Lynred
Lynred, alongside its subsidiaries, Lynred USA and Lynred Asia-Pacific, is a global leader in designing and manufacturing high quality infrared technologies for aerospace, defense and commercial markets. It has a vast portfolio of infrared detectors that covers the entire electromagnetic spectrum from near to very far infrared. The Group's products are at the center of multiple military programs and applications as key components in many top brands in military and commercial thermal imaging equipment sold across Europe, Asia and North America. Lynred is the leading European manufacturer for IR detectors deployed in space.
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