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Penspen and Senslytics Collaboration to Elevate Pipeline Integrity Analysis with Artificial Intelligence

LONDON, United Kingdom, September 24, 2023 – [Penspen](#), a leading international energy consultancy, has today announced a strategic collaboration with [Senslytics](#), a venture-backed start-up that develops artificial intelligence (AI) corrosion mitigation technologies.

Sharing the news at the [International Pipeline Conference and Expo \(IPCE\)](#) in Calgary, Canada, the two companies say the collaboration aims to explore how AI can supplement or enhance the existing extensive data analysis capabilities of Penspen's [THEIA](#) digital pipeline integrity management by incorporating Senslytics' CausX AI technology, empowering pipeline integrity engineers to improve decision-making in high-impact situations, reducing risks and improving capital efficiency.

Louise O'Sullivan, managing director of Penspen THEIA said: *"We're excited to be working with Senslytics. Artificial intelligence offers huge potential for the energy industry, but we need to understand how best to harness it to work effectively alongside tried and tested integrity assessment methodologies and standards to give engineers confidence in results. Together with Senslytics, our ambition is to explore the myriad opportunities presented by AI in delivering next-level predictive corrosion management for pipeline operators."*

"Senslytics' CausX AI technology elevates the capability of our THEIA platform, utilizing AI in an effective, informed manner to support integrity engineers not only in the management of live and historical pipeline data, but in the creation of future maintenance models."

Blake Bixler, Senslytics CEO commented: *"Senslytics is thrilled to collaborate with Penspen in an effort to provide end-to-end data management and interpretation for pipeline integrity and corrosion. By leveraging each company's unique capabilities, we can deliver a powerful service for pipeline operators."*

A new generation of integrity management

By integrating material data, inline inspection results, weld and seam type information, along with geographic data in one powerful and secure tool, Penspen's digital pipeline integrity management system, [THEIA](#), streamlines compliance processes, enhances analytical capabilities with real-time data, and ensures the ongoing safe and reliable operation of transmission pipelines.

Unlike other machine-assisted corrosion management technologies, Senslytics' CorroX product using CausX AI is an engineer-oriented solution for identifying corrosion, its cause, and projecting growth rate. CorroX merges existing data with SME knowledge to create an explainable form of AI that can be more easily validated. The CausX AI platform has been validated in two separate upstream use cases and is broadly adaptable across gathering and transmission pipelines as well as facilities.

Louise O'Sullivan added: *"With the implementation of the Mega Rule on the horizon, our combined expertise, market insight and shared commitment to providing effective technology solutions position us to support our*

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customers at time when having access to accurate, timely and consistent integrity and corrosion data and risk profiles has never been more critical.”

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About Penspen

Penspen designs, maintains, and optimises global energy infrastructure to improve access to sustainable energy and bring cleaner energy to millions of people across the Middle East, Africa, Asia, Europe, the UK, and the US. Penspen has been providing engineering, project management, asset management, and integrity services to the energy industry worldwide for more than 70 years. Originally founded in the UK in 1954 as Spencer & Partners, the company has now grown to employ more than 1,100 specialists, with offices in the United Kingdom, Europe, the Middle East and Africa, Kingdom of Saudi Arabia, Latin America, and the United States.

To learn more, visit penspen.com or follow on [LinkedIn](#) | [YouTube](#)

About Senslytics

Senslytics, a venture capital-backed startup, develops proprietary causal AI software applications for the energy sector. To date, Senslytics has been granted seven patents for its developed technology. Senslytics has been awarded a Department of Transportation (DOT) SBIR grant and an Oklahoma Center for the Advancement of Science and Technology (OCAST) grant to develop AI software to address corrosion issues in oil and gas pipelines.

To learn more, visit senslytics.com or follow on [LinkedIn](#) | [YouTube](#)