



Providing leak detection for the oil and gas industry

AIS and Cupix: Managing dangerous and costly risks in an industrial environment

AISSOZ is a field services business that provides leak detection and risk management to the oil and gas industry—an industry constantly vigilant for the presence of leaks within equipment and facilities. With CupixWorks, AISSOZ' partners were able to anticipate leaks, get ahead of risks, save money, keep people safe, and adhere to safety regulations.



Antoine Hanekom is the Founder and Managing Director of Asset Integrity Survey Services (AISSOZ), based in Australia.

"I'm a Cupix customer, and a value-added reseller," says Antoine. After years spent on the asset maintenance side of the industry, Antoine started AISSOZ to address the risk management challenges facing the sector. "These particular facilities operate with elevated risk due to the nature of the products they produce. AISSOZ facilitates the prioritization of reported leaks by providing all decision makers with a common context of the risk that a leak represents."

"Divergent perceptions of risk causes delays in the repair prioritization process, which inhibits an organization's ability to comply with leak risk management and remedial response policies."

Results with Cupix

- Visualize and quantify leak risk
- Faster and more accurate decisions
- Streamlined communication with clients

Introducing operational efficiencies to teams and clients

“With Cupix I found the right balance—I have the technology to capture and create a digital twin of an oil and gas facility. Coupling CupixWorks and AISSOZ’ unique leak risk management software, we now use and provide the tools that enable our clients to visualize leak risk in a collaborative manner. CupixWorks reduces the time my clients need to make a decision, and time is critical. The quicker you can solve a problem, the quicker you reduce the risk.”

What Antoine and his clients most appreciate about CupixWorks 3D digital twin is the context it can provide around the issues. “There are chemicals and flammable gas involved. If you have a gas leak from a pipeline in a field somewhere, there’s a definite risk. But a leak within a processing plant represents a potentially greater risk. An easy-to-use digital twin of the plant intuitively communicates the leak location—providing the context required to quickly understand what that leak could turn into, and how it should be prioritized.”



Making facility management intuitive and collaborative

Antoine points out that CupixWorks has become an integral part of the final deliverable to AISSOZ clients. “Our asset integrity survey service includes provision of a 3D digital twin of a facility coupled with our leak risk management software. This unique combination provides the visual interface through which we report asset integrity survey results and collaborate with our clients to accelerate repair action prioritization decisions.”

“Cupix was willing to collaborate with me, a new customer, and help me use their tool in a way they hadn’t originally envisioned,” says Antoine. “We’ve succeeded together. I believe their tools can help other companies too.”