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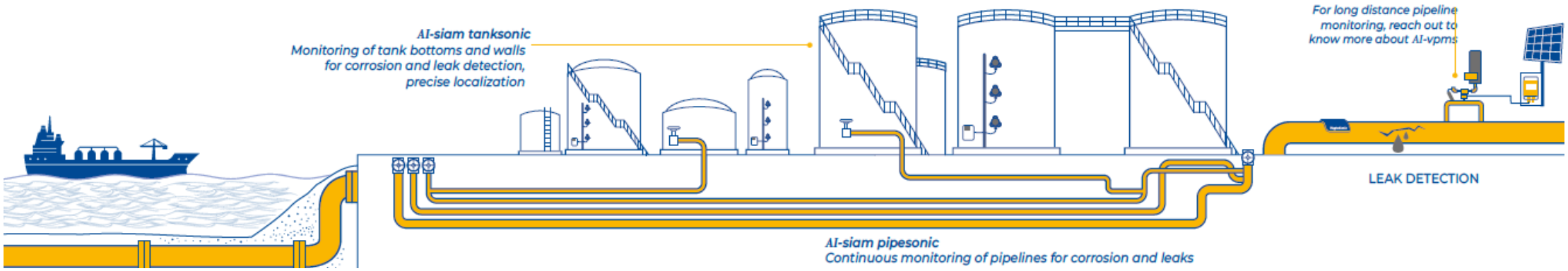
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TRUCTURAL INTEGRITY ACOUSTIC MONITORING

Storage Tanks • Continuous Monitoring of Corrosion and Leakage • Advanced AI-SIAM Technology (Structural Integrity Acoustic Monitoring).

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THE AI-SIAM SYSTEM



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THE PROBLEM SOLVER

- Storage tanks constitute some of the most critical yet inherently vulnerable assets within industrial facilities. Notwithstanding their operational relevance, they frequently function as non-instrumented structures, rendering them susceptible to undetected corrosion, progressive structural degradation, geohazard exposure, and delayed incident identification.
- is redefining the landscape of storage asset integrity through its advanced AI-SIAM technology (Structural Integrity Acoustic Monitoring). This innovative solution continuously monitors tank conditions by means of high-frequency acoustic signals propagating through the stored fluid, enabling real-time detection of corrosion activity, leak events, structural anomalies, and other critical occurrences.
- By identifying and assessing risks as they emerge, AI-SIAM safeguards storage assets, enhances operational safety, and supports a proactive approach to integrity management.

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ADVANTAGES OF AI-SIAM

- **Safe:** Sensor nodes are ATEX certified
- **In-Service:** Monitoring tanks without taking them out-of-service
- **Retrofitting:** Non-invasive and retrofittable to existing assets
- **Continuous Monitoring:** Real-Time monitoring of asset conditions during its lifetime.
- **360° Monitoring:** Complete mapping of both storage tank bottoms and walls