

Cloud-Based Pipeline Integrity Management

Harness the full potential of your pipeline assets through the power of data with THEIA, Penspen's Pipeline Integrity Management Solution. Developed as part of Penspen's ongoing commitment to digital transformation, THEIA provides energy, oil, and gas operators with the critical pipeline integrity insights required to optimise performance of assets.



INTEGRITY ASSESSMENT

Digitalising primary industry standards into logical modules enables integrity engineers to run defect assessments in minutes rather than days. Features include: Corrosion Growth Rate, Remnant Life, Mill Defects, Dents, Data Alignment, and Feature Matching.



RISK ASSESSMENT

Focusing on quantitative methods enables engineers to collate and process data to perform risk assessments via an intuitive and flexible interface. Features include: dashboards and API 581 as a digital risk module, allows for collaborative working.



DATA MANAGEMENT

Transferring data into a powerful management tool enables engineers to hold historic and current data in an easily searchable location. Compatibility with a wide range of document, image and video formats empowers users to define pipeline location and flow.



DATA MAPPING

Offering an interactive mapping module provides an overview of the pipeline length to easier plan and prioritise digs and inspections. Insights include: inline inspection, construction and operations, external inspection, and CP data with zoom in functionalities.



ASSET INTEGRITY KNOWLEDGE

Providing technical knowledge through two educational modules - eLearning and Corrosion Wiki. The modules work in tandem to serve and support engineers at all levels with educational and referencing tools to further develop integrity capabilities.



SOFTWARE DEVELOPMENT

Capability to integrate THEIA with existing systems offers the flexibility to unlock an extensive range of software development and architecture skills. Comprehensive pipeline integrity domain knowledge ensures alignment with digital industry requirements.

CAPTURE THE VALUE OF YOUR DATA - EMPOWER YOUR INTEGRITY TEAM

