



DUCTS AND GAS PIPELINES

Integrity





OPERATIONAL AND EMERGENCY RESPONSE CAPACITY DUCT INTEGRITY

At AVIATEK we have our strategic partner TDWilliamson (TDW), who has been at the forefront of pipelines for over a hundred years, recognized worldwide since 1920, for its support with comprehensive programs, designed to meet any oil&gas sector need in project planning, operational capacity, and even emergency response, setting the highest standard of pipeline maintenance and repair as industry pioneers, being the industry's most trusted provider of line intervention and continuous flow assurance solutions.

Similarly, with custom TDW online inspection services, designed specifically to optimize system performance with a minimal downtime, we offer one of its main inspection tools based on magnetic flux leakage technology, which combines the benefits of circumferential MFL with axial MFL (SpirALL®) and the effects of residual magnetism for a better characterization of anomalies, which, associated with its MDS (Multiple Dataset) platform, allow the identification and prioritization of anomalies in the support process for activities related to the transport of hydrocarbons.





Integrated Pigging

Although pipe cleaning operations occur routinely, they can be complex and always require an understanding of the unique characteristics of each pipe. With experience in onshore and offshore pipeline cleaning around the world, we can recommend the optimal cleaning equipment and schedule for your pipeline.



Pipe Integrity

Regardless of the cause, undetected or poorly characterized pipe defects are a threat to operations, assets, the environment, and public safety. By providing end-to-end integrity solutions, from cleaning to actionable inspection results, we generate early alerts for decreased operational threats.



Devices for erground pipes

High precision detection of the slightest fluctuations in volume flow rates using ultrasonic flow meters, pairs of transducers and unique measurement algorithms for signal evaluation.



Surface pipe control.

Continuous monitoring and control of surface infrastructures through multiple integrated technologies to ensure the proper functioning of the facilities and the early detection of any incident.



Regardless of their cause, undetected or poorly characterized pipe defects are a threat to operations, assets, environment and public safety. By providing end-to-end integrity solutions, from warranty-based cleaning up to actionable inspection results, AVIATEK maintains its

System operating safely and productively, helps you prioritize repairs and ensures regulatory compliance.

AVIA ATEK

energy • aviation • engineering



+57 7550996

+1 7862288821



info@aviateksas .com

[www.aviatek .co](http://www.aviatek.co)