

New Technology to Reduce Pipeline Failure

ExcelPlas Poly Pipe Testing Services (EPPTS) announces new technology that will improve high failure rates of high-density polyethylene (HDPE) pipelines and glass-reinforced composite pipes in Australia.

EPPTS has the exclusive license for new poly pipe inspection technology, which assesses the integrity and quality of non-metallics including HDPE, Rubber, Fibreglass and Composite materials, delivering accurate inspection results for volumetric defects in polymer pipelines.

The technology aims to implement an unseen level of Quality Assurance (QA) and Quality Control (QC), NDE and testing services on non-metallic pipes and components in the Australian market.

This proven methodology surpasses the limited methods currently employed in Australia, by utilising a highly sensitive ultrasonic inspection technique, in conjunction with extensive quality assurance systems and on-site mechanical testing.

It is expected to deliver benefits across a number of key industries including, Oil and Gas, Defense, Pipeline, Mining and Water Treatment.

The system provides superior and more accurate reporting, increasing project success rates while significantly reducing operational costs and liabilities.

The technique has the ability to detect the quality of HDPE fusions, electrofusions, parent material quality, misalignment, delaminations, disbonds, cracks, foreign material inclusions, voids (air bubbles, poor mixing, incomplete contact) and changes in thickness.

These innovative QA/QC services provide industry operators with an opportunity to gain control of quality standards and allow for early detection of potential integrity defects ahead of project delivery with ongoing asset integrity management.

This unique service offering and commitment to focus on service will allow us to create consistent value for our customers by providing a full testing and QA validation process service for the poly pipe industry.

EPPTS offers client focused testing and technical services and is the leading Australian provider of Destructive Testing of butt fusion and electrofusion welds and laboratory support services such as poly pipe condition monitoring, failure analysis and lifetime prediction.

More information: enquiries@excelplas.com

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