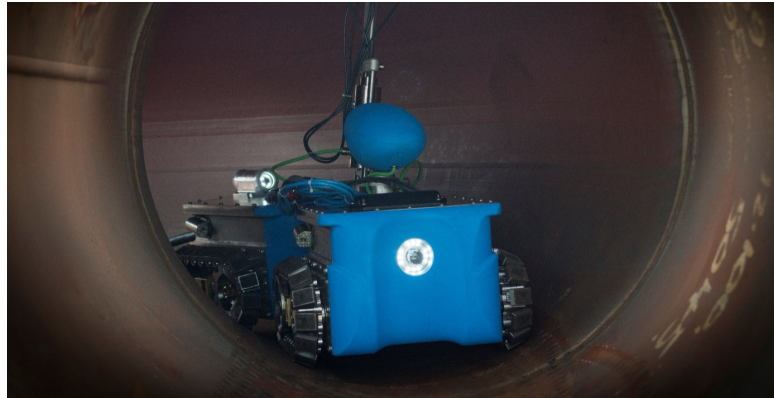


In-pipe robotics system designed for non-destructive inspection in high pressure environments

GRAID™ stands for Gas Robotic Agile Inspection Device. GRAID™ is a robotic non-destructive inspection system for high pressure 100barg non-piggable gas transmission pipes such as Above Ground Installations (AGI).



GRAID™ is launched into the AGI system via a pig trap valve entry system. This allows the robot to be pressurised up to 100barg and then driven into the pipework for operation. Control is from a secure container away from the access point.

GRAID™ has a 100m tether (future development will extend this to 500m) and special patented magnetic tracks that allow it to travel and operate within the 100bar gas line. The articulated 2-part robot can negotiate bends and tee pieces and can climb 45-degree incline within the network.

Current Non-Destructive inspection is carried out by an EMAT system with further development underway using the latest in NDT.

- Significantly reduces the risk and cost of NDT on buried AGIs. Skid Steering allows full remote manoeuvrability, even turning in its own footprint.
- Can re-life buried transmission as sets at a fraction of the cost of traditional methods.
- Provides a platform to do more inside 100bar pipes.
- Currently available for 36" to 48" pipes.



Developed in partnership with:



CONTACT OUR TEAM TODAY TO DISCUSS YOUR REQUIREMENTS
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