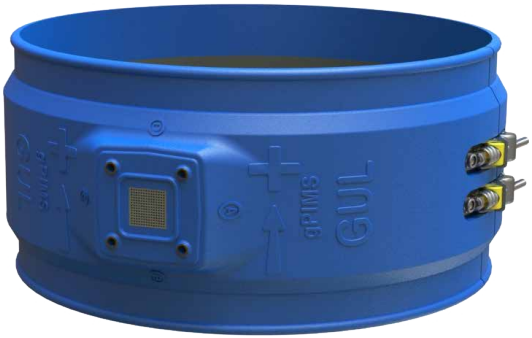
gPIMS®

Dual Capability Monitoring

GUIDED ULTRASONICS LTD.

Pioneering Design.



Advanced Materials
The lightweight polyurethane encapsulation provides excellent shock and wear resistance.

Weather Resistant
The UV-resistant system has been designed for long-term environmental protection.

Efficient Installation
The pre-moulded ring is clamped and bonded to the pipe with minimal on-site sealing.

Low Profile
The thin encapsulation allows more flexibility for installation in low clearance areas.

Smart Sensors
Pipe temperature data is automatically acquired from a built-in sensor.

gPIMS® Autonomous Collector
Enable frequent data collection and wireless transmission for increased sensitivity and reliability.

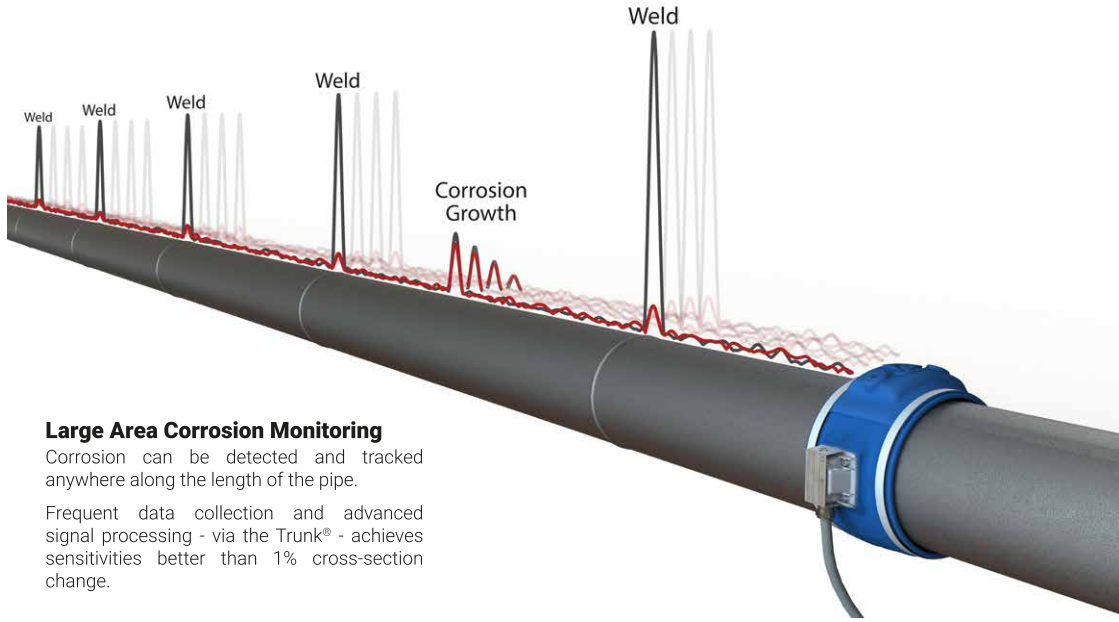
gPIMS® Mini Collector
The gPIMS® Mini Collector detects collection settings automatically hence requiring minimal training.

GUL Trunk®
Upload, analyse & securely store gPIMS® information on our Trunk® data management system.

ATEX / IECEx version
Certified gPIMS® Ex Sensors for use in hazardous areas.

Save Costs
One-off installation which allows to reinspect difficult-to-access pipes without repeat access costs.

Dual Capability.



Large Area Corrosion Monitoring

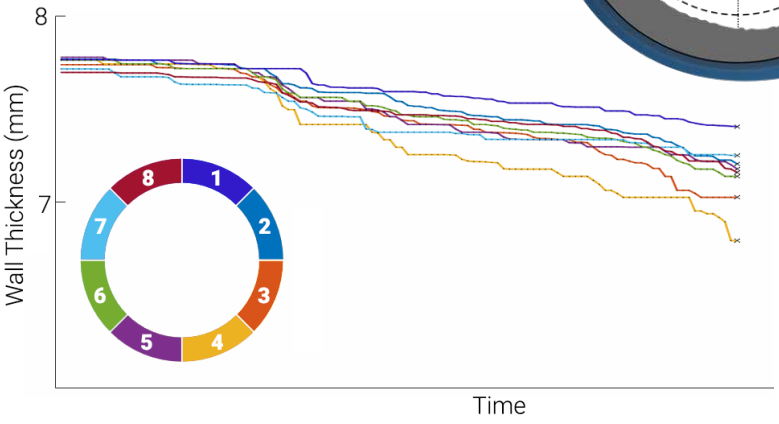
Corrosion can be detected and tracked anywhere along the length of the pipe.

Frequent data collection and advanced signal processing - via the Trunk® - achieves sensitivities better than 1% cross-section change.

Local Thickness Monitoring

The wall thickness underneath the sensor can be tracked in 8 segments around the circumference of the pipe.

The guided wave method used by the gPIMS® is tolerant of rough corrosion surfaces and is accurate to within tens of microns.



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