



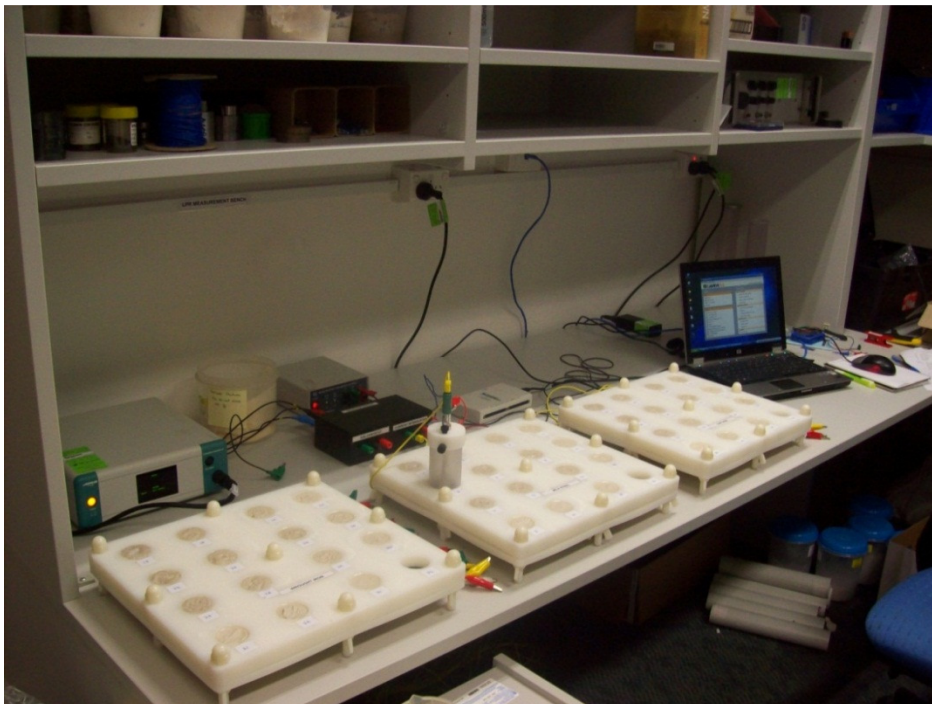
- Geophysics
- Geotechnical investigations
- Groundwater surveys
- Non-destructive technologies
- Research and Development.

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## **Pipeline Integrity - What Good is LPR?**

- Elorane Geophysical Surveys (EGV) can now provide asset managers with a complete soil analysis using the **Linear Polarisation Resistance** (LPR) method.
- LPR data provides an immediate indication of the **corrosion properties for soils** and bedding materials in contact with buried pipes.
- Managers can immediately assess the potential for serious risk to critical assets and obtain an indication of **remaining life** based on maximum corrosion rates derived from LPR data.
- Coating integrity and build parameters must then be closely considered in any statistical modelling and routine risk analysis.
- **Highly corrosive sites** detected by LPR may be ranked higher in priority for excavation and inspection programs to ensure effective EM or ultrasonic sampling.
- Permanent monitors may be required for **critical assets** located in areas with an extreme LPR response.



*LPR multi-cell panels and EGV analysis methods provide data of highest quality for calculations of maximum corrosion rates and pipeline risk analysis.*

- EGV provides pipeline managers with LPR data of the highest quality.

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