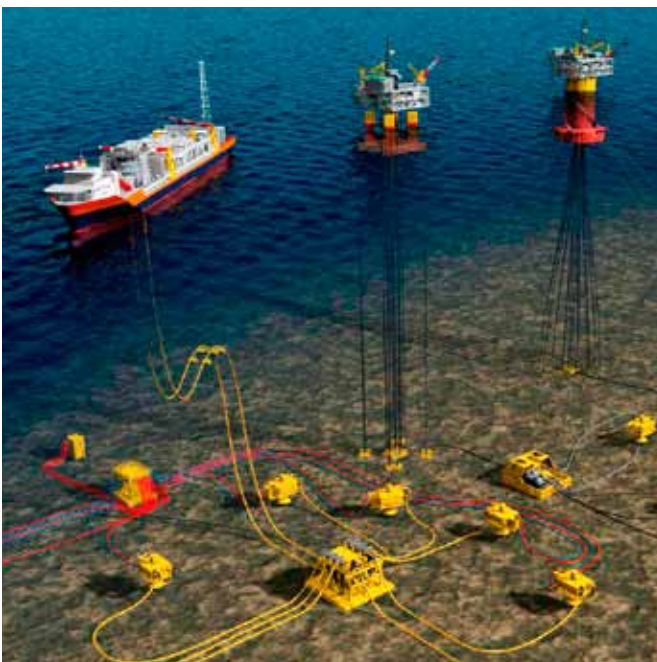


# Corrosion health checks

## Capability statement



Corrosion, both internal and external affects the operating capacity of a pipeline. There are three corrosion areas: electrochemical, environmental and microbiological.

### Assess and review

Jee has considerable expertise in corrosion issues of pipelines and how to control its onset and development, both internally and externally.

We use a range of codes and experience to offer a life cycle package of corrosion services, some of which are listed below:

- ✦ Material selection of pipes to reduce corrosion
- ✦ Design of corrosion protection schemes
- ✦ Development of inspection regimes to monitor pipeline condition, both internally and externally
- ✦ Prediction of corrosion rates and remaining lifespans based on inspection results, using FEA analysis
- ✦ Failure mode assessment
- ✦ Defect assessment, leading to fitness for purpose analysis

### Managing corrosion

Corrosion health checks are carried out to audit the corrosion strategy management of a pipeline and to ensure its integrity.

As an independent company, Jee provides a fresh viewpoint and offers unbiased advice when reviewing your systems. This guarantees you a logical review of your hardware and help to control your corrosion protection systems more cost-effectively and efficiently.

We can also assist with the development of appropriate corrosion management strategies and frequency of inspections.

### Proven track record

- ✦ BP 2006-2008 – Corrosion health checks
- ✦ Perenco 2008 – Corrosion strategy as part of integrity management project
- ✦ CNR 2008 – Corrosion assessment on a riser

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Phil Medlicott is able to work on his own ensuring quality and a consistent approach to the corrosion health check audit.

Blair McKay, SPU Pipelines Technical Authority  
BP Exploration Operating Company

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### List of related services

- ✦ Specifications for inspection and remedial works
- ✦ Span assessment and monitoring
- ✦ Pipeline integrity management systems (PIMS)
- ✦ Management of intelligent pigging programmes
- ✦ Defect assessment
- ✦ Fitness for purpose
- ✦ Troubleshooting – dents, stuck pigs
- ✦ Decommissioning

### For more information

To find out how Jee can help manage and implement your engineering projects, please call us on +44 (0) 1732 371 371 or email [info@jee.co.uk](mailto:info@jee.co.uk).



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