Life Assessment and Structural Integrity Services

Petrochemical - Refinery – Gas Pipelines - Mining Process – Power – Civil Infrastructure

- Optimise operation, inspection and maintenance
- Extend life safely
- Maximise value of capital replacement
- Increase reliability and safety

ANSTO has performed assessment of the life and integrity of a wide range of components and structures based on either design or operational information. This service is backed by one of Australia’s most comprehensive materials testing and characterisation facilities.

Capabilities

- Material property determination using extensive specialised mechanical testing facilities
- Prediction of high temperature performance using fully instrumented creep testing
- Assessment of materials subject to cyclic operation at high temperature using creep-fatigue testing and modelling
- Assessment of performance of components and structures using finite element modelling
- Structural integrity assessment using fracture mechanics testing and calculations

For further information, please contact:
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