ACET is a software system that supports the management of corrosion, inspection and plant integrity processes.

The suite of system modules is used to store, analyze and assess the various data formats gathered through inspection and monitoring and is used to assist in the implementation of key steps within the corrosion management strategy.

The success of any corrosion management strategy is reliant upon many activities, including auditing, measurement of performance, effective analysis and reporting procedures, which provide feedback ensuring continuous improvement.

ACET corrosion and inspection management system is an integral part of a corrosion management strategy and has been specifically designed to form part of an integrated asset management approach through the storage, analysis and assessment of data.

Benefits
- Planning - Schedule Work Activities
- Execution of Work - Implement Inspection Strategy & Gather Data
- Data Storage - Equipment Details, Design Information, & Inspection Data
- Analysis - Anomalies, Results, Data, Information & Risk Assessment
- Review - Performance & Strategies
- Improvement - Modify Inspection Strategy, Recommendations & Repairs
Asset Condition Evaluation Tool (ACET)

Core Module
The Core module sits at the heart of ACET and is directly linked to each of the other system modules.
- Stores the equipment list & equipment details
- Provides system navigation & database searches
- Captures & displays some of the results generated elsewhere in the system

Integrated Planning Module
- Acts as an interface between the system and the clients preferred planning tool
- Filters on several key criteria including date ranges, inspection categories & overdue items
- Displays important reference information associated with performing an inspection including: restrictions, locations, drawings, insulation, coating & material
- Exports & displays data & information from ACET on the inspection plan.

Exceptions Module
- Stores defect & failure information, status, recommendations & repair or replacement details

Process Stream Module
Stores process conditions and historical changes to these conditions during the asset life cycle.
- Stores & displays process variables including temperatures, pressures, fluid type, concentrations, flow-rate, etc.
- Calculates potential corrosion rates

Monitoring Module
- Stores probe and coupon monitoring equipment details and data
- Records equipment service installation & removal details
- Stores monitoring equipment details
- Calculates process stream corrosion rates

Inspection Module
- Supports a variety of nondestructive inspection methods
- Stores data & information gathered from inspection
- Creates planned inspections for the gauge interface
- Creates inspection work-packs
- Auto creates anomalies based on user defined thresholds

Analysis Module
- Presents wall thickness data, from inspection, numerically and graphically
- Predicts equipment corrosion rates & retrial dates
- Flags the worst-case (earliest retrial date) prediction

Risk Assessment Module
Links to the core and process modules and uses information from these modules as part of its assessment.
- Assesses the probability, consequence & risk of failure
- Determines the most economic frequency of inspection
- Assists in determining the inspection methods

Gauge Interface Module
- Supports the transfer of the equipment workscope to the inspection gauge
- Electronically transferred information & data to & from the inspection equipment
- Increases the reliability of measured data
- Tracks all work packs exported & imported

Multimedia Module
- Attach, view & edit many different types of files (images, drawings, video, documents, etc) within the ACET environment

Reporting Module
- Incorporates a set of standard reporting formats
- Filters & displays system data & results in a standard format
- Creates a customized Excel export
- Creates an Excel template for data input