

## ACET (Asset Condition Evaluation Tool)

Oceaneering Inspection provide a software system supporting the management of corrosion, inspection and plant integrity processes. ACET has been specifically designed to form part of an integrated asset management approach.



The ACET **Core Module** stores an asset's (client's) equipment list (pipework, pipelines, vessels, valves, etc) including a library of information relating to the equipment design (materials, calculations, schedules, classes, drawings, etc).

The system determines the frequency of inspection through the **Risk Assessment Module** (using theoretical calculations and inspection data), which is then used to schedule inspection programs through the **Integrated Planning Module**.



Equipment inspection is carried out using the ACET generated work scopes in the form of a work-pack.

This can be electronically transferred to the inspection equipment (via the **Gauge Interface Module**) to increase the reliability of measured data. On completion of the inspection job the data is transferred back to ACET where it is stored and analysed.



The analysis of inspection data can then be used in the inspection frequencies review process to either increase or decrease the frequency and/or level of inspection, thus optimising the availability of plant through visible control and effective management.

**Head office:**

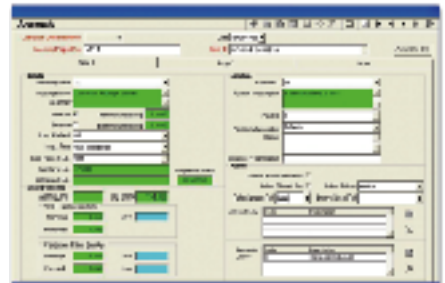
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Should any anomalies or failures be recorded this information can be stored within the **Exceptions Module** for reference and further determination. ACET can automatically generate anomalies based on pre-defined thresholds. The user can also create anomalies and failures manually.

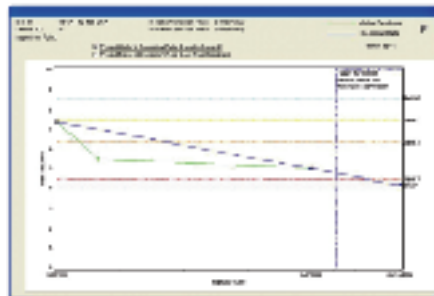
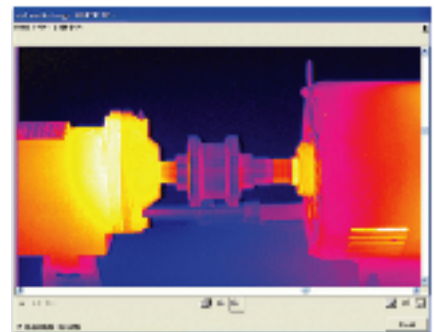


Process stream changes and upsets can be recorded and stored within the **Process Stream Module** where certain "what if scenarios" can be run using theoretical calculations.



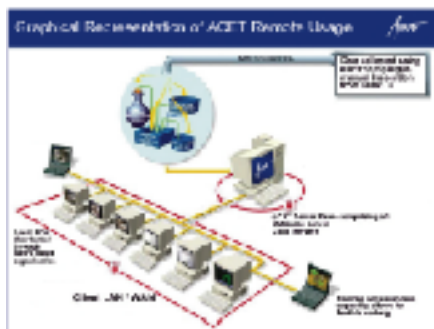
The **Multimedia Module** gives the user the ability to attach, view and edit many different types of files (images, drawings, video, documents, etc.) within the ACET environment.

In addition to this, data can be Trended and Reported using the ACET Trending and Reporting Modules.



Wall thickness data stored in the **Inspection Module** is automatically transferred to the **Trending Module** where it is presented numerically and graphically. The data is used to predict current and historic corrosion rates which are then used to establish retrieval dates based on pressure retention and user determined thresholds.

ACET has a suite of over 50 standard reports available from the **Reporting Module**. Each report has been designed to give the user various options and flexibility prior to running the report. This is achieved through a filter option, which is available to the user on selecting the report required.



In addition ACET has been 'web' enabled to allow **Remote Access** worldwide.

The development, implementation and support of the ACET suite of products is accredited to BS/EN/ISO 9001:2000.

**ACET website:- [www.acet.co.uk](http://www.acet.co.uk)**