



TO INTEGRITY ... AND BEYOND



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ACET Around the World

In the second quarter of 2011 a further 27 users were ACET trained with courses being run in the **UK**. There are now a total of 1,145 trained ACET users in 27 different countries around the world.

ACET is now being used in 27 different countries around the world by 49 different sites with a total of 173 assets including Refineries, On and Offshore Installations, FPSO's and Chemical Plants.

In April Ian Frazão (Engenheiro Equipamentos Pleno) from **Petrobras / UO-RIO / OPM / EMI** visited the ACET team in Aberdeen Scotland to start the implementation of ACET within UO-RIO, which includes new fields under development such as the Albacora Leste, Roncador, Marlim Sul and Marlim Leste.

ACET Development Promotion

The ACET department are pleased to announce the promotion of John Gibb, (who has been with the company for more than 9 years) from senior development engineer to lead development engineer.

ACET Version Details

The latest ACET release version is **5.2.583.19** from 28/12/2010

The current test version is 5.2.592.20

To upgrade your version of ACET please contact ACET Support acet_support@oceanneering.com

Previous editions of the ACET newsletter can be viewed in the News Section of the ACET Website: www.acet.co.uk

Welcome to the July 2011 edition of the ACET newsletter.

The ACET Software system has been designed to form part of an integrated asset management approach through the storage, analysis and assessment of inspection and corrosion data within the global petrochemical industry.

ACET NEWS

ACET ACCREDITATION

The ACET Department based in Aberdeen, Scotland retain a 100% record and pass their BVQI re-certification audit (**BS EN ISO 9001:2008 and the TickIT Guide**) in June 2011 with no incidents of non-conformance, for the tenth year in succession.

The scope of the ACET Department accreditation includes "the development, implementation and support of the ACET suite of products and supporting software for the management of corrosion and inspection in various industries worldwide" as certified by BVQI under certificate number 31246.



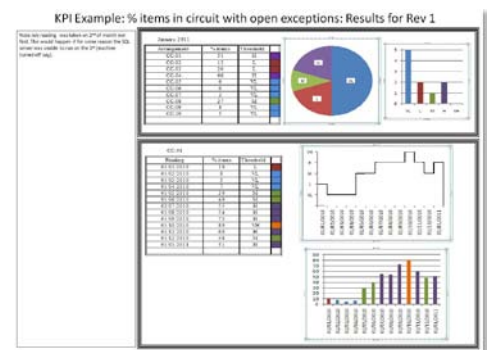
KPI's

Key performance indicators (KPIs) are ways to periodically assess the performance of organisations and business units. Accordingly, KPIs are most commonly defined in a way that is understandable, meaningful, and measurable.

In order to be evaluated, KPIs are linked to target values, so that the value being measured can be assessed to determine if it is meeting expectations or not. When the ACET KPI Module is released (Q4 2011) the KPI could be

set up to monitor inspections, inspection queries, repair orders, etc and measure for numbers planned, completed or overdue across a set time period.

An ACET KPI can follow the SMART criteria. This means the KPI has a **Specific** purpose for the business, it is **Measurable**, **Achievable** and **Relevant** to the success of the organisation, and finally it is **Time** phased, which means the value or outcomes are shown for a predefined period.



CLIENT UPDATES

Single Buoy Moorings Inc (SBM) has extended their ACET license to include the Kikeh Field, which is located offshore **Malaysia** in the South China Sea in a water depth of 1320 m. This field development is based on a Floating Production Storage and Offloading unit and a Dry Tree Unit (Spar). Fluids between Spar and FPSO are transported in Fluid Transfer Lines based on the first ever application of the patented Gravity Actuated Pipe system.

Petrobras has extended their ACET License to include "Refinaria Abreu e Lima S.A." which is the first to process 100% heavy crude oil and will be able to process 235,000 b/d, of which half will come from the **Orinoco belt in Venezuela** and half from the **Campos basin**

For more information on ACET and any of Oceanneering's services visit

www.oceanneering.com



To subscribe to the ACET News Letter please send your email address to ACET Support acet_support@oceanneering.com

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in Brazil. It will produce 162,000 b/d of low sulphur diesel and will allow the Brazilian Northeast to be self sufficient in fuels.

BP are adding a new site to their ACET License for the **Polvo oil field in Brazil** which was discovered in 2004. It is located on block BM-C-8 in the Campos Basin offshore Rio de Janeiro in approximately 300 feet of water with estimated resource potential in excess of 50 million barrels. Production facilities include a fixed production and drilling platform connected to a floating production, storage and offloading vessel (FPSO).



In support of our **Brazilian** clients and business we have employed the services of international business representatives – **Tucano Brasil Internacional** (www.tucanobrasil.com), to translate the ACET Training Manual and User Guide, containing approximately 24,000 and 185,000 words respectively, from English to Portuguese.

CLIENT DEVELOPMENTS UPDATE**3D Modelling Update**

We have now completed the Factory Acceptance Tests at Oceanering Swansea on schedule on 6th July. After resolving some naming conventions we are all set to proceed with a go live start date, at the BP Sangachal Terminal in Azerbaijan, during mid July.

SAP Interface Update

A SAP/ACET interface to facilitate generation of SAP maintenance orders from ACET Repair Orders has been completed, as well as an interface to send Next Due Inspection dates to SAP. A third interface comparing differences between SAP & ACET equipment data (to provide update functionality from SAP data) is now approaching completion.

ACET HELP DESK

The ACET Help Desk system is a web based help/ticket system used in support of the ACET department suite of software products.

The Help Desk is available from the following web address:

<http://acethelp.oceanering.com>

To receive your ID and password please contact ACET Support:

acet_support@oceanering.com

Tel +44 (0) 1224 758500

OCEANEERING NEWS**Successful Inspection of Plastic Pipes**

Oceanering have concluded an exclusive licensing agreement for the application of microwave inspection technology, and can now offer these services to customers.

Microwave technology provides a unique method for imaging the internal structure of non-metallic materials. The substantial growth in the use of non-metallic materials in recent years has necessitated the need for new inspection technologies as most conventional Non Destructive Testing techniques were developed to examine metallic materials. Inspection applications are varied and include Glass Reinforced Plastic (GRP) pipes in power station cooling towers and wind turbine blades.

Oceanering's initial focus is directed to the field joints applied to insulate subsea oil flow lines during assembly and to the welds in HDPE piping. In both applications the technology will provide an inspection technique that was previously unavailable. Both applications are related and involve the detection of a faulty bond between two pieces of plastic. To create the bonds, it is important that both sides are heated to the correct temperature, too cold and the molecules in the plastic will not join together and too hot, the molecules oxidize and will not join together. In both cases, there is no gap, reflector or other physical feature that can be detected by ultrasound or radiography, only a change in the microstructure. The new technology can detect this change and so provide us with a detection tool.

For further information on Oceanering Operations please contact Martin Hockley, Marketing Manager:

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Oceanering is an advanced applied technology company that provides engineering services and hardware to customers who operate in marine, space, and other harsh environments.

For more information on ACET and any of Oceanering's services visit

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