



PRESS RELEASE

CSP insight delivered by Aquaterra Energy's Asia-Pacific GM at SPE Malaysia Workshop

Co-chair of the [Applied Technology Workshop](#) on Marginal Field Development, held in Langkawi, Malaysia this week, [Ken Crawford](#), General Manager for Aquaterra Energy Asia-Pacific, delivered a valuable insight into rig installable Conductor Supported Platforms (CSPs).

Talking to 119 international delegates, Crawford presented an overview of [rig installable shallow water CSPs](#) and their applications. The designs described included CoSMOS, Tall Template Structure (TTS), Stacked Template Structure (STS), and Sea Harvester/Horse, along with Aquaterra Energy's Sea Swift. All these CSPs can be installed by standard cantilever Jack-up and supply vessel, with no need for specialist vessel assistance.

Crawford said: "The benefits of rig installed CSPs when compared with other platforms include low capital cost, shorter lead-times, low installation, intervention and abandonment costs, and shorter time to First Oil. CSPs also lead to less interface issues, with simple rig only installation avoiding the need for complex heavy lift vessels and rig to well interfaces."

Drawing on knowledge and expertise in marginal field development technology acquired over many years in the industry, Crawford went on to explain the key considerations to be taken into account when looking at options for rig installable CSPs. These include water depth, topside weight, design creep, suitability of available Jack-up rigs, and the potential for drilling company pushback at non-traditional rig operations.

The presentation concluded with explanation of installation procedures, using detailed illustrations to demonstrate the installation of lower subsea and upper subsea structures, topsides and conductors.

Speaking after the three day Workshop, Crawford said: "It was an honour to be invited by the Society of Petroleum Engineers to co-chair the event and deliver this presentation. Our objective for the Workshop was to increase the knowledge and application of current technologies across the industry and the feedback we have received from delegates has been extremely encouraging, suggesting that we will have achieved our aim."

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About Aquaterra Energy Ltd

www.aquaterraenergy.com

- Aquaterra Energy Ltd specialises in offshore engineering solutions for the international oil & gas industry, providing services to more than 100 customers in over 35 countries worldwide
- The company has offices in Aberdeen, Cairo, Cambridge, Houston, Kuala Lumpur and Norwich
- Aquaterra Energy's services are provided via four business streams:
 - **Riser Systems:** Riser Analysis; Subsea Riser Systems; Surface Riser Systems; Connectors; Pipeline Risers; VIV Suppression Systems; Tieback Engineering; Centralisers
 - **Offshore Structures:** Sea Swift Platforms; Subsea Drilling Templates; Subsea Protective Structures; Tension Decks; MOPU Wellbay Modules; Conductor Slot Addition; Bespoke Offshore Structures
 - **Hydraulic Systems:** Hydraulic Power Units; Hydraulic Inventory; System Appraisal and Fluid Analysis; Custom-Made Manifolds; Image Based Information System; Hydraulic Hose; Patented DVS
 - **Service and Rental:** SUREgrip Tension Ring; PROten Riser Tension System; Rig Floor Tension System; Conductor/Riser Tensioning Unit; Cement Top Up Systems; Aquascope Subsea Camera Systems; Disposable Camera Systems; Conductor Slot Recovery; Conductor Whipstocks; Rental Tools; SUREcut Cold Cutter; PDQ Drill String Connectors; Trash Caps; Heavy Lifting Equipment; Gyroscopes
- Aquaterra Energy received a Queen's Award for International Trade in 2009.