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Integrated Operations for Malaysia: Smarter Oil & Gas Fields For A Smarter Planet

4 August 2009



MOGSC successfully organized an Integrated Operations Forum on 4th August 2009 (Tuesday) at The Apartment, Suria KLCC, on "Integrated Operations for Malaysia: Smarter Oil & Gas Fields for A Smarter Planet". About 70 members attended the event and allowed MOGSC to share with its members how to build a smarter planet.

Advances in science have made it possible to envision a planet powered in new ways, creating electricity from the sun, the wind, waves, the atom or some combination thereof. But we also know it will not happen overnight - not profitably nor on a global scale. For decades to come, we'll need to continue extracting fossil fuels.

As we move toward a renewable future, we need to shape our present hydrocarbon use in ways that are more efficient, affordable and protective of the environment. Today, we can only extract about one-third of the oil in an existing reserve, leaving billions of barrels in reservoirs.

Put simply, we need smarter oil and gas fields. And that means gathering and managing real-time data from across the entire production stream, in vast quantities. Making sense of all this information is critical for better decision making about exploration, production and management.

And being smarter is not just about management. It's also about anticipating problems before they occur - and, in some cases, adjusting automatically to prevent them, thereby re-

Events in October

- 1 EXCO Meeting, 1st October 2009
- 2 Offshore Decommissioning Summit, 1-2 October 2009
- 3 Decommissioning Workshop (DWG) I, 8th October 2009
- 4 Integrated Operations (IO) Forum - POSC CEASAR, 20-21 October 2009
- 5 DWG Meeting, 22nd October 2009
- 6 7th PETROMIN Deep Water Technical Conference, 26-27 October 2009
- 7 MOGSC Deep Water Brainstorming Session, 27th October 2009

Integrated Operations for Malaysia: Smarter Oil & Gas Fields For A Smarter Planet ... (continued)

4 August 2009



And being smarter is not just about management. It is also about anticipating problems before they occur - and, in some cases, adjusting automatically to prevent them, thereby reducing the risks to people and the environment. We have the ability today to infuse the system by which we find, extract and produce our energy resources with intelligence, and to make the most of

every single drop.

The forum started with welcomed addressed by En. Wan Hassan Bin Wan Mamat, GM (Custodian), Instrument & Control, Facilities Engineering Dept, PETRONAS Carigali Sdn Bhd. Followed with topics “A Vision of Integrated Operations for Malaysia and Workable solutions & work flows for Smarter Industry Collaboration”. Case Study of Integrated Operations was presented by StatoilHydro and ended with a vibrant Q&A session.

A Joint Deepwater and Decommissioning Working Groups Forum

18 August 2009

A joint Deepwater and Decommissioning Working Groups Forum featuring Ms. Ingeborg McNicol and Dr. Frank Lim was held on 18th August 2009 at The Apartment Downtown, KLCC. The event was attended by 59 MOGSC members.

Dr. Frank Lim, Principal Director of 2H Offshore started the forum with the topic on “Standardisation of Deepwater Riser Systems – A Likely Prospect”. The topic elaborated that although dynamic riser systems often present the most challenging element of any deepwater oil field developments worldwide, there is little commonality in the riser designs selected for the multitude of current developments worldwide. This has meant each development project team making little use of previous experience on design, construction, installation, operation and maintenance, and the lessons learnt. This has undoubtedly resulted in inefficiencies and ultimately cost increases for operators.



During the presentation, Dr. Frank Lim elaborated to the members on the initiatives that have been taken to address the issue are now being launched in a major deepwater development programme in West Africa involving the introduction of a standardised deepwater riser design that could be adopted in a range of applications but still installable by a number of contractors. He also informed the members that this approach has parallels with the standardisation adopted in the subsea tree and wellhead market some 15 years ago that led to a significant improvement in quality, schedule and cost reductions which operators



A Joint Deepwater and Decommissioning Working Groups Forum..... (continued)

18 August 2009

are now enjoying.

The second topic presented that evening was on "Opportunities in Managing the Environmental, Social and Health Impacts of Decommissioning" by Ms. Ingeborg McNicoll, Partner, Environmental Resources Management Sdn Bhd where she talked about the challenges faced by the operators from the decommissioning of offshore oil and gas structures. She provided a quick review of decommissioning and the environmental issues in different oil and gas bearing provinces, followed by a more detailed description of the main issues and concerns related to decommissioning from an environmental, social and health perspective and how some of these may be turned into opportunities in the right environment.



Welcome New Members



UTi Worldwide Malaysia, through its subsidiaries, operates as a supply chain services and solutions company. Its services include air and ocean freight forwarding, contract logistics, customs brokerage, distribution, inbound logistics, cross border trucking (MY-SG-TH), truckload brokerage, project, and other supply chain management services, including consulting, co-ordination of purchase orders, and customized management services. The company serves various industries, such as Oil & Gas, pharmaceutical, retail, apparel, chemical, automotive, and high technology electronics industries. UTi Worldwide offers its services through a network of freight forwarding offices, including independent agents, and contract logistics and distribution centers worldwide.



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- Manufacturing and supply of sacrificial anodes
- Engineering design, supply and installation of CP System.
- Thermal Spray Coating Services
- Passive Fire Protection Services
- Corrosion Consultancy Services for Pipeline Pigging, Corrosion Protection Painting, Non-Destructive Testing, Materials Selection, Welding and asset Integrity.

SMTC Malaysia : - Provider of safety courses to the petroleum at worldwide locations.



Promoting and marketing of computer software & related services and provision of consultancy services.



As the world's leading company dedicated to providing comprehensive software solutions for the infrastructure lifecycle, we believe in the vital role that infrastructure must play both in sustaining society and in sustaining the environment. Bentley has proven applications that help engineers, architects, contractors, governments, institutions, utilities and owner-operators design, build and operate more productively, collaborate more globally and deliver infrastructure assets that perform more sustainably.

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- Offering specialist services in Flow Assurance, Dynamic Process, Analysis, Operation Support, Process Optimisation as well as the process engineering design.

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