



# **THE 1<sup>st</sup> BRUNEI-NORWAY OIL AND GAS TECHNOLOGY SEMINAR 2017**

## **The 1<sup>st</sup> Brunei-Norway Oil And Gas Technology Seminar 2017**

*“Enhancing Knowledge in Oil and Gas Development  
and Investment Opportunities”*

*updated 10<sup>th</sup> October 2017*

*23<sup>rd</sup> - 24<sup>th</sup> October 2017*

*Prime Minister's Office  
Bandar Seri Begawan, Negara Brunei Darussalam*

1) **Theme:**

*“Enhancing Knowledge in Oil and Gas Development and Investment Opportunities”*

2) **Seminar Leads:**

| Brunei   | Norway   |
|--|--|
| <b>Ellynah Abd Rahman</b><br><b>Head of Energy Upstream Division</b><br>Energy and Industry Department,<br>Prime Minister’s Office, Brunei<br><a href="mailto:ellynah.rahman@energy.gov.bn">ellynah.rahman@energy.gov.bn</a> | <b>Per Hagen</b><br><b>Regional Director</b><br>INTSOK Norwegian Oil and Gas<br>Partners<br><a href="mailto:Per.Hagen@norwep.com">Per.Hagen@norwep.com</a> |

3) **Introduction:**

Brunei has since the 90’s made few discoveries in the Deepwater offshore areas and since then has not been able to mature the projects to development phase. Whilst other less complex discoveries and development in the onshore and offshore areas have increased in recent years, Brunei has not stopped finding new discoveries in the deep water areas. Over the years, innovative technologies were tested to improve operational efficiencies in many ways. The new found hydrocarbon resources have not just proven track record in successful discoveries but also Brunei is able to take a big leap and demonstrated its capability in complex deep water operations. However, viability of development remains uncertain due to the high cost and lower oil price has worsened the situation.

Leveraging the technology know how from Norway as oil and gas industry expert, this seminar is aimed to open door to innovative technologies that can effectively tackle potential technical challenges, improve operational efficiencies, enhance production and protect the environment through:

- a) **Exchange of information and best practices** between Brunei Darussalam and Norway in the development of oil and gas sector.
- b) **Create a business network** in order to match Bruneian businesses with potential Norwegian partners to help growth of local oil and gas companies.
- c) **Encourage investment** from Norwegian entrepreneurs and technology provider into Brunei Darussalam.

#### 4) Expected Outcomes:

- a) Strengthening of ties between Brunei Darussalam and Norway through closer oil and gas industry cooperation.
- b) Better understanding of business and investment environment in both countries, especially in each country's focus industry sectors.
- c) Fostering of business partnerships between Brunei Darussalam and Norwegian companies.
- d) Attraction of FDI related to Oil and Gas from Norway into Brunei Darussalam's economy.

#### 5) Dates and Venue

**Venue** Banquet Hall, Level 1, at the Prime Minister's Office, Jalan Perdana  
Perdana Menteri, BB3913, Negara Brunei Darussalam.






**Date** 23<sup>rd</sup> – 24<sup>th</sup> October 2017.







The seminar will take place for **two (2) days**.




#### 6) Programme

##### 23<sup>rd</sup> October 2017



| Time | Description   | Remarks   |
|------|---|---|
| 0800 | <b>Arrival &amp; Registration</b>   | <i>* Attendance by SUT/TSUT EIDPMO, Head of Divisions and Head of Companies</i> |
| 0830 | <b>Arrival of Guest of Honour</b><br>by Hj Mohamad Azmi Bin Hj Mohd Hanifah<br>Permanent Secretary of Energy & Industry,<br>EIDPMO Brunei |   |
| 0835 | <b>Recital of Doa</b><br>by Muhammad Nazirul Rawi bin Awang Zaimin  |   |
| 0840 | <b>Safety Briefing</b>  |   |

| OPENING EVENT                   |  |  |
|---------------------------------|--|--|
| 0845                            | <b>Opening Speech</b><br>by Hj Mohamad Azmi Bin Hj Mohd Hanifah<br>Permanent Secretary of Energy & Industry,<br>EIDPMO Brunei  |  |
| 0855                            | <b>Opening Speech</b><br>by Erlend Sannes Hadland<br>Deputy Head of Mission Embassy of Norway  |  |
| 0905                            | <b>Key Note Presentation</b><br><b>“Brunei Darussalam Efforts in Deepwater Projects”</b><br>by Ellynah Abd Rahman<br>Head of Energy Upstream Division   |  |
| 0925                            | <b>Key Note Presentation</b><br><b>“Evaluation of flow, corrosion, hydrate and radioactive deposit challenges in multiphase transport of gas in seabed pipelines”</b><br>by Dr Martin Smestad Foss<br>Research Director,<br>Institute for Energy Technology (IFE)  |  |
| 0955                            | <i>Break</i>   |  |
| SESSION 1: PROJECT DEVELOPMENTS |  |  |
| 1015                            | <b>“Experience in Deepwater Subsea Challenges”</b><br>By Encik Raffar Abdul Wahab<br>Head of Projects,<br>Petronas Carigali Brunei Limited (PCBL)   |  |
| 1035                            | <b>“Digitalization, collaboration for optimizing projects”</b><br>by Edwardus Ng<br>Business Development Manager,<br>DNV GL   |  |
| 1055                            | <b>“Enhancement of Structural Conductor Design and Execution of Jetting Operations for Ultra-Deepwater Wells in Brunei”</b><br>by Mohammad Zyden Su’if Hj Zainal Abidin<br>Drilling Engineer,<br>PetroleumBRUNEI (PB)   |  |
| 1115                            | <b>“Combination of Novel Material Platforms Delivering Cost Effective Wet Insulation Solutions”</b><br>by Hasnizam Azrul Zainal Abidin<br>Business Development Manager, and<br>by Jane Lim, Shawcor   |  |

|  |  |  |
|--|--|--|
| 1135   | <p><b>“Intelligent Reservoir Management Model to Revive Mature Oil Field”</b><br/> by Kenny Tea<br/> Country Manager, Malaysia,<br/> Baker Hughes</p>   |  |
| <b>SESSION 2: DRILLING AND COMPLETION TECHNOLOGY</b> |  |  |
| 1145   | <p><b>“The Appropriate Level of Surveillance, Optimization and Control to Capture the value of Intelligent Completions and the Digital Oilfield”</b><br/> by Noman Shahreyar<br/> Halliburton</p>         |  |
| 1215   | <p><b>“EC-Drill Controlled Mud Level MPD technology - The Key to Higher Efficiency &amp; Reduced Well Cost”</b><br/> by Chris French<br/> VP Sales &amp; Business Development<br/> Enhanced Drilling</p>  |  |
| 1235   | <i>Lunch</i>   |  |
| <b>SESSION 3: SUBSEA TIEBACK</b>                     |  |  |
| 1330   | <p><b>“Learning and Development from the World’s First Operating Subsea Compression System”</b><br/> by Si Huai Yeaw<br/> Senior Process Engineer, Front End,<br/> Aker Solutions</p>                   |  |
| 1400   | <p><b>“Redesign Subsea through an Integration Approach to Redefine Subsea Project Economics”</b><br/> by Craig Ferguson<br/> Front End Business Manager, Asia Pacific,<br/> TechnipFMC</p>              |  |
| 1430   | <p><b>“Novel Industry Enablers for Successful Deepwater Gas Field Development”</b><br/> by Cristophe Joly<br/> Subsea Production System Manager, Asia,<br/> Dowell Schlumberger Eastern Inc</p>         |  |
| 1450   | <i>Break</i>   |  |

| <b>SESSION 4: DEEPWATER TECHNOLOGIES</b>  |  |                                  |
|---|--|----------------------------------|
| 1510  | <b>"Decommissioning and Restoration in Deepwater"</b><br>by<br>Brunei Shell Petroleum (BSP)   | * <i>Speaker to be confirmed</i> |
| 1530  | <b>"Offshore Rejuvenation"</b><br>by<br>Brunei Shell Petroleum (BSP)    | * <i>Speaker to be confirmed</i> |
| 1530  | <b>"High Performance Aqueous Insulating Packer Fluid Improved Flow Assurance and Reduced Annual Pressure Buildup in Ultra Deepwater Wells"</b><br>by Marco Rincon<br>Baroid Technical Manager SEAA,<br>Halliburton  |                                  |
| 1610  | End of Day 1   |                                  |
| 1610 - 1900   | Sight-Seeing around Bandar Seri Begawan for Norway Delegates (Capital City of Brunei Darussalam)   |                                  |
| <b>SEMINAR DINNER</b><br>Time: 1930 - 2100<br>Venue: Horizon Seafood Restaurant<br>(Hosted by Brunei) |  |                                  |







### 24<sup>th</sup> October 2017





| <b>SESSION 5: HSSE</b> |  |  |
|------------------------|--|--|
| 0800                   | <b>Registration</b>  |  |
| 0815                   | <b>Safety Briefing</b>   |  |
| 0830                   | <b>"Electronic Safety Case"</b><br>by Hernando Caceres<br>Business Development Director,<br>DNV GL  |  |
| 0850                   | <b>"HSE Journey"</b><br>by Jeswant Singh<br>HSSE Manager,<br>Adinin Works & Engineering Sdn. Bhd.   |  |
| <b>0910</b>            | <b>Break</b>   |  |

**PARALLEL SESSIONS BETWEEN SESSION 6: DRILLING AND COMPLETION TECHNOLOGY & SESSION 7: INVESTMENT OPPORTUNITY**

**Venue: The Banquet Hall, at the Prime Minister’s Office for SESSION 6:  
DRILLING AND COMPLETION TECHNOLOGY**

**Venue: The Main Theatre Hall, at the Prime Minister’s Office for SESSION 7:  
INVESTMENT OPPORTUNITY**

| <b>SESSION 6: DRILLING AND COMPLETION TECHNOLOGY</b> |  |  |
|--|--|--|
| 0930   | <p><b>“Fishbones Stimulation Technology for efficient stimulation of deepwater reservoir”</b><br/>by Kristian Solhaug<br/>VP Research, Development &amp; Engineering,<br/>Fishbones </p>                                      |  |
| 0950   | <p><b>“Development of Ultra High Pressure Production Envelope to deliver Total Brunei first 15,000 psi well”</b><br/>by Patrick Oghittu<br/>Head of Drilling and Wells,<br/>Total E&amp;P Borneo B.V. (TEPB) </p>            |  |
| 1010   | <p><b>“Coil Tubing (CT) and wire Line (WL) Advanced Tension Frame”</b><br/>by Tor Odegard,<br/>Asia-Pacific Region Manager,<br/>DWELLOP </p>  |  |
| 1030   | <p><b>“Drilling and Completion for Deepwater”</b><br/>by M Aizat Abu Bakar<br/>Head of Well,<br/>Petronas Carigali Brunei Limited (PCBL) </p>   |  |
| 1050   | <p><b>“(1) Extending the life of well completions with barrier issues”</b><br/><b>“(2) ISO qualified downhole well equipment is leading the way forward”</b><br/>by Bjorn Bill<br/>Global Sales Manager,<br/>Interwell </p> |  |
| 1110   | <p>Sutera Energy Sdn. Bhd. </p>   | <p><i>* speaker &amp; title to be confirmed (Includes Q&amp;A – 10 mins)</i></p> |

|  |  |  |
|--|--|--|
| 1130                                     | <p><b>“New Chemical Technologies to optimise production from oil and gas reservoirs”</b></p> <p>Baharuddin &amp; Associates Engineering Consultancy Sdn Bhd</p>   | <p><i>*speaker to be confirmed (Includes Q&amp;A – 10 mins)</i></p>              |
| <b>SESSION 7: INVESTMENT OPPORTUNITY</b> |  |  |
| 0930                                     | <p>Brunei Liquefied Natural Gas (BLNG) Sdn. Bhd.</p>    | <p><i>* speaker &amp; title to be confirmed (Includes Q&amp;A – 10 mins)</i></p> |
| 0950                                     | <p><b>“Subsea Technologies and Concepts for New Developments Offshore Brunei”</b></p> <p>by Salvator Micali<br/>Senior Manager, Front End<br/>Aker solutions Sdn. Bhd.</p> <p>by Abhishek Choudhy<br/>Improvement and Transitions Manager for Brunei,<br/>Aker Solutions Sdn. Bhd.</p>  | <p><i>* Speaker to be confirmed</i></p>  |
| 1010                                     | <p><b>“Invest Brunei Darussalam”</b></p> <p>by Amali Syahmi bin Haji Ghani<br/>Investment Officer,<br/>FDI Action and Support Centre</p>    | <p><i>Title to be confirmed</i></p>  |
| 1150                                     | <i>Lunch</i>   |  |
| <b>SESSION 8: BUSINESS MATCHING</b>      |  |  |
| 1300                                     | Business Matching  |  |
| 1500                                     | <i>Break</i>   |  |
| <b>SESSION 9</b>                         |  |  |
| 1520                                     | Seminar Outcome & Recommendations  |  |
| <b>SESSION 10</b>                        |  |  |
| 1550                                     | <p><b>Closing Remarks</b></p> <p>by Erlend Sannes Hadland<br/>Deputy Head of Mission Embassy of Norway</p>   |  |
| 1600                                     | <p><b>Closing Remarks</b></p> <p>by Hj Mohamad Azmi Bin Hj Mohd Hanifah<br/>Permanent Secretary of Energy &amp; Industry,<br/>EIDPMO Brunei</p>  |  |
| 1610                                     | End of Day 2   |  |



## 7) Delegation Details

- a) Norway: estimated 25 consist of government officials, national oil company and service companies.
- b) Brunei: estimated 52 consist of government officials, national oil company and service companies. Sessions will be open for EIDPMO staff attendance.

Info:

- List of delegates will only be confirmed around 3<sup>rd</sup> week of October 2017 once speakers from both sides are confirmed
- Norway will be submitting “Call for Papers” to Norwegian companies, whilst Brunei will be selective on the companies to be invited.