

Forthcoming Events in 2011

16th June	Market Update and Networking Lunch Aberdeen
21st June	Subsea UK Networking Dinner Inverness
29th June	Parliamentary Reception London
29th June	Parliamentary Reception Dinner London
2nd September	Subsea UK Challenge Cup Inchmarlo, Aberdeenshire
7th September	Subsea UK's Offshore Europe Dinner Aberdeen
3rd November	Subsea UK Annual General Meeting Aberdeen

Please visit our website for details of forthcoming events.

www.subseauk.com

Founded in 2004, Subsea UK was an industry partnership with government and has now evolved into a self-sustaining, privately funded trade body with over 215 member companies.

Subsea UK is the champion for the UK Subsea supply chain through:

- Exports
- Collaboration
- Skills
- Safety
- Technology

Key Facts about our UK Subsea Industry:

- £6 billion industry sector
- UK accounts for 31 percent of total global industry output
- £3.3 billion in exports of subsea goods and services per year
- More than £4.5 billion in major contracts awarded worldwide in first 3.5 months of 2011
- Over 150 ongoing and upcoming subsea projects around the world
- Targeting major markets in Brazil, West Africa, Asia-Pacific, Australia, and North America
- 18 percent growth in exports expected over the next three years



The Innovation Centre, Exploration Drive, Bridge of Don, Aberdeen, AB23 8GX
Tel: +44 (0) 845 505 3535 Email: admin@subseauk.com

A stylized world map in shades of blue and black, with glowing white lines and dots representing global connections and data flow.

Subsea Asia 2011

Conference Programme

Plenary Theatre, KLCC, Kuala Lumpur
2nd June 2011

Subsea Asia Conference Programme

Plenary Theatre - 2nd June 2011

10:30 - 11:15	Registration and Coffee Chair: Bill Edgar - Chairman Subsea UK
11:15	Welcome Andrew Hodgson - CEO SMD, Board Member, Subsea UK
11:30	Welcome Ray Kyles - Deputy High Commissioner, Subsea UK
11:45	Keynote Speech Encik Rashid Sainal - General Manager, Project Implementation, Petroleum Resource Development, PETRONAS
12:15	The Global Subsea IRM Sector Jason Waldie - Associate Director, Douglas Westwood
12:45	Lunch
13:45	Opportunities for Growth within Asia Richard A. Bailey, MSc. - Executive Vice President - Asia, GL Noble Denton
14:10	Top Tensioned Riser Challenges and Solutions for Dry Tree Facilities in Asia Pacific Daniel Brooker, BSc, BEng (Hons), PhD - Senior Consultant, MCS Kenny
14:35	Well Intervention Vessels used in the Macondo Incident Response Mark de Castro - Business Development Manager, Well Ops
15:00	Mechanical Lined Pipe - Installation by Reel Lay Wacek Lipski - Discipline Manager, Subsea7
15:25	The Autonomous Shutdown Valve (ASV) Brian Ennever - Managing Director, Paladon Systems Anba Nagappan - Vice President - Sales Asia Pacific Region, Paladon Systems
15:50	Subsea MultiManifold™ Technology - A System Approach to Enhanced and Cost-Effective Subsea Production Mads Hjelmeland - Framo Engineering AS
16:15	Close

Chair

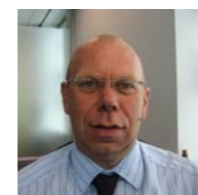


Bill Edgar
Chairman, Subsea UK

An engineering graduate of Birmingham and Strathclyde Universities, Bill was formerly a Group Director of John Wood Group plc and Chief Executive of the National Engineering Laboratory. He is currently Chairman of EMEC and a non-executive Director of Online Electronics Ltd. He is a past President of the Institution of Mechanical Engineers and is a Fellow of both the Royal Academy of Engineering and the Royal Society of Edinburgh. He became a CBE in 2003.

11:15

Welcome



Andrew Hodgson
CEO SMD, Board Member, Subsea UK

Andrew is the Chief Executive of SMD, having joined the company in October 2008 following its buyout. He has had a career in the aerospace and steel industry, including Airbus, BAE Systems and Corus. Andrew also had a previous role in Sprint Aerosystems, helping create the world's largest aerospace manufacturer in a series of deals backed by Onex Partners.

Andrew is currently the Chairman of Subsea NE, Chair of the Tyne and Wear Employment and Skills board and business advisor to the Mayor of North Tyneside.

He is a Chartered Management Accountant with an MBA (Warwick) and a BA in Economics.

11:30

Welcome



Ray Kyles
Deputy High Commissioner, Subsea UK

Raymond began as a Desk Officer (FCO) in chemicals and biological weapons disarmament, with relations with the Soviet Union in 1980. He became Third Secretary in the UK Mission to UN, Geneva (UN budgets, administration and human rights) in 1982. In 1985 he became responsible for elements of external trade relations during the UK 1986 presidency, and went on to become the Second Secretary (UK Representation to EC, Brussels).

Raymond spent some time as the Desk Officer for EU relations with the Soviet Union and Eastern Europe with the European Community Department (FCO) before becoming a Press Officer for the FCO Press Office in 1989.

From there, Raymond took on the role of First Secretary for Political/Development with the British High Commission in 1991 and became Head of the FCO Unit (Scott Inquiry into arms sales to Iraq) in 1995, with a promotion to Deputy Press Secretary in 1996.

In 2001 Raymond was on secondment to Unilever as a Political Advisor and in 2003 became Deputy High Commissioner for the British High Commission in Nairobi (to 2007), Islamabad (to 2009) and Kuala Lumpur (present).

11:45

Keynote Speech



Encik Rashid Sainal

General Manager, Project Implementation,
Petroleum Resource Development - PETRONAS

Rashid has a mechanical engineering degree from Case Western Reserve University, Cleveland, Ohio, USA and has over 20 years' experience in upstream oil & gas project and construction management.

Rashid is currently the General Manager of Project Implementation, Petroleum Management Unit, PETRONAS. He is responsible for all the upstream projects executed by all the PSC in Malaysia. Prior to this, Rashid was working with PETRONAS Carigali (E&P) subsidiary of PETRONAS) as the Senior Manager of Offshore Installation & Construction (Global).

Rashid's earlier responsibilities with PETRONAS Carigali included:

- Project Manager of Mercury Remove Project, Malaysia
- Construction & Engineering Manager of Yetagun Phase 3 Project, Myanmar
- Head, Construction / Fabrication (Global)
- CSR, Resak Compression Modules
- Site Construction Manager, Resak Onshore Gas Terminal Project
- Construction Engineer, BAJT - F Platform Project

Rashid has also been involved with numerous platform and modules fabrication work at the fabrication yards, as well as hook up, commissioning and installation works offshore.

12:15

The Global Subsea IRM Sector

As we enter 2011 and the economies of the world are beginning to emerge from the ashes of the financial crises and recessions that have largely characterised the 2008-2010 period, energy demand and supply will once again assert its role as one of the biggest challenges facing our society. This presentation examines the opportunity provided by the subsea inspection, repair and maintenance market to the offshore energy industry from engineering specialists and vessel contractors to financial institutions and insurers looking to gain traction in this growing \$3 billion industry. As well as seizing the opportunity on a regional basis attention will also be given to key industry issues such as the state of the supply chain, vessel availability and the evolution of attitudes within the operator community towards the inspection and maintenance of subsea assets in a post-Macondo era.



Jason Waldie

Associate Director, Douglas-Westwood, Singapore

Jason's background includes technical, finance and economics focus on the full chain of the energy industry including extensive tracking of the offshore oil & gas industry. He tracks subsea market on a regular basis with a wide global network of clients in the segment. He contributes considerable research and market information to DW's inhouse data analysis and regular insight to clients regarding what impact these developments will have in the industry. He holds a Bachelor's degree in Political Science and Economics from the University of Regina in Canada; An MBA from the University of Melbourne and a Master of Energy Management from the Institut Français du Pétrole /ESCP Europe and Norway's Handelshøyskolen BI joint programme.

In its 21st year of trading and described as a "top energy research group" by the Financial Times, Douglas-Westwood is an independent employee-owned company and the leading provider of business strategy, research & analysis and commercial due-diligence on the global energy sectors. The firm also has offices in Aberdeen Scotland, Canterbury England and on Wall Street, New York and to date has provided services to over 400 clients in 70 countries across the energy sector. Douglas-Westwood has completed dozens of projects concerning various aspects of the offshore industry. The company also produces The World Subsea Hardware Market Report 2011-2015, The World Subsea Vessels Market Report 2011-2015; The World Deepwater Market Service; The World Offshore Operations & Maintenance Market Report; The World AUV Market Report.

12:45

Lunch

13:45

Opportunities for Growth Within Asia

GL Noble Denton and the Economist Intelligence Unit (EIU) have launched a new report on the outlook for the oil and gas industry in 2011 and beyond. Nearly 200 board-level industry executives were surveyed to compile the study, which highlights Asia as the region with the greatest oil and gas investment opportunities over the next 10 years. In this paper, GL Noble Denton will present key findings from the research "Deep Water Ahead?" and discuss Asia's rapidly growing profile as a major producer and consumer of energy.



Richard A. Bailey, MSc.

Executive Vice President - Asia, GL Noble Denton

Richard Bailey joined GL Noble Denton in February 2010 as Executive Vice President, Industrial Services Oil & Gas division based at the Asia Regional head office at Kuala Lumpur, Malaysia.

In 2003 he was with a major international Oil & Gas Engineering & Project management contractor, appointed to the role of Asset Support Director. Asset Support encompasses engineering & modifications, operations & maintenance and facilities management of upstream and downstream assets. Subsequently Richard relocated to South East Asia as Regional Director for Oil & Gas. Responsibilities included the ongoing profitability, development and sustainability of multiple projects, operational locations and joint ventures across the region.

Richard has a Higher National qualification in Mechanical & Production Engineering and a Master of Science Degree in Project Management awarded by the University of Aberdeen. He was also awarded a Fellowship by the Engineering & Construction Industry Training board.

Early career roles were in Construction & Project engineering management of oil & gas facilities for the UK & Norwegian sectors. This was followed by a resident position in Norway, then relocated to the UK for a Project management role on a major Defence industry project at AWE Aldermaston facility. Richard returned to the oil & gas sector in 1991 for project management of a major North Sea facility then in 1994 relocated to Aberdeen. His career progressed to project managing a large North Sea partnering contract, then re-focussed career direction towards Asset & Facilities management. During the period 1999-2003 he undertook an international business development role based in the Caspian region.

14:10

Top Tensioned Riser Challenges and Solutions for Dry Tree Facilities in Asia Pacific

Top tensioned risers (TTRs) have been widely used by operators for deepwater floating production facility developments for close to 25 years, including the West Seno and Kikeh projects, offshore Asia. This presentation will review various TTR configurations and provide guidance on the accurate modelling and analysis of the riser and tensioning systems and its guides and components, and also provide advice on some of the pitfalls in simplifying this procedure, which can lead to a mismatch between the as-installed and as-designed riser.

With the next wave of deepwater projects such as Browse and Malikai now in development, TTR design challenges unique to the Asia Pacific waters are presented and their influence on the global design and operation of the top tensioned risers is evaluated and discussed. The presentation also highlights some of the operational challenges and solutions relating to the installation of TTRs, presenting some relevant Gulf of Mexico project design and installation lessons learned.



Daniel Brooker, BSc, BEng (Hons), PhD

Senior Consultant, MCS Kenny

Daniel Brooker is a Senior Consultant with MCS Kenny and has over 11 years' engineering experience with a background in the design and analysis of riser and mooring systems, drilling risers and submarine pipelines. He has extensive experience in finite element analysis including structural modelling, modal analysis of structures supporting vibrating equipment, and modal and time-domain modelling for offshore applications.

He actively consults on a variety of projects, mostly for floating and subsea projects in the Asia Pacific region.

Coffee/tea

14:35

Well Intervention Vessels Used in the Macondo Incident Response

In 2010 Helix Energy Solutions, was called on to assist with the well containment and oil recovery project on the Macondo well blow out.

Three vessels were mobilised; a MODU, an FPSO, and a construction vessel.

Their capability and rapid mobilisation contributed to the success of the operations.

The effects of Macondo have not yet been felt world wide. Going forward, it is likely that offshore operators will be required to ensure that they are able to demonstrate that plans are in place to deal with such incidents before operations commence.

Pre-prepared locally based resources will be required to provide quick response, to cover a wide range of scenarios, with maximum participation by all involved in the industry.



Mark de Castro Business Development Manager, Well Ops

Mark de Castro was born and schooled in Cape Town South Africa, studying Mechanical Engineering at the University of Cape Town.

After a compulsory two year stint in the army, he began his career in the aerospace industry, working on flight control systems for military aircraft upgrades.

He moved into power and control hydraulics, working for Rexroth for six years, designing and commissioning systems for a variety of applications including mining, marine and offshore installations.

In 1996 he joined a similar, but smaller company called Hydron, where he remained as a director for nine years. They specialised in large hydraulic systems for the subsea diamond mining, and offshore oil and gas industries in South Africa, Angola, Nigeria, Brazil and the UK.

Mark moved to Australia in 2005, and began working with Well Ops in Perth a few months later. As a project manager, he worked on the development of their subsea intervention and deployment package which was designed for use on vessels of opportunity. Over the next few years, Mark project managed the Well Ops onshore and offshore scope of the Galoc field development in the Philippines, Dai Hung intervention in Vietnam, and Lufeng Field abandonment in China.

In 2011 he moved into his current role as Business Development Manager for Well Ops Asia Pacific.

15:00

Mechanical Lined Pipe - Installation by Reel Lay

The continued exploration and production of subsea developments and long distance tiebacks worldwide will demand the industry designs more of its infrastructure and pipelines to cope with increasing amounts of corrosive medium throughout the life of the field.

The Butting Mechanical Lined Pipe (BuBi line pipe) has been used successfully for such applications in towed pipeline bundle projects by Subsea 7 over many years and has demonstrated itself to be a viable cost-effective alternative to more expensive options such as metallurgically clad pipe.

Subsea 7 and Butting now wish to demonstrate to the industry the significant advantages of being able to install the BuBi mechanically lined pipe by the reel lay method.

The main challenge to date during the development of this technology has been the avoidance of wrinkling of the corrosion resistant liner during the reeling and unreeling process.

The presentation will detail the qualification process executed by Subsea 7 and Butting in accordance with DNV recommended practice for new technology DNV RP - A203 and in particular explain the BuBi product, reel lay challenges, analysis, testing and results.



Wacek Lipski Discipline Manager, Subsea7

Wacek has over 11 years' experience in coastal, offshore and subsea engineering. He started his career working for a Melbourne based consultancy, undertaking a wide range of advanced analytical work, in addition to model testing of a range of subsea and coastal installations.

Wacek then joined Subsea 7 in Norway in 2006 where his focus shifted towards pipeline installation and design, including installation of the worlds longest direct electrically heated pipeline for the Tyrihans development. Wacek then took on the role of Discipline Manager, taking responsibility for all design, fabrication and installation engineering associated with rigid and flexible pipelines welding.

Wacek moved to Singapore in October 2010 where he continues to be technically responsible for all pipeline related issues in the region.

15:25

The Autonomous Shutdown Valve (ASV)

The Autonomous Shutdown Valve (ASV) is a fully self-contained subsea valve automation system. What makes the ASV technology unique for subsea applications is that the motive power for the hydraulic actuator is provided from the pressure in the subsea pipeline. By employing a fail-safe (spring-return) actuator powered by pipeline pressure, valve closure is ensured whenever a linebreak condition occurs. Using low power latching solenoid valves and high density battery packs, the ASV can theoretically operate for up to 20 years before requiring battery replacement.

Primarily designed for the automatic operation of subsea PLEM valves in CALM Buoy and similar tanker loading/offloading systems, the technology can be applied to any subsea valve requiring on/off automation and automatic shutdown in the event of a linebreak condition.



Brian Ennever Managing Director, Paladon Systems

An Electrical Engineer with over 30 years' experience in the control and automation business having qualified at what is now the Anglia Ruskin University. Brian formed Paladon Systems Ltd as part of the Paladon Group in 1981 following successful periods working in Germany with Hartmann & Braun (now ABB). From the early beginnings in the UK Brian has led the company from a supply and engineering base through continued growth to establish its own product range and the manufacturing base in Italy in 2001. The company activities have now spread globally.



Anba Nagappan Vice President – Sales Asia Pacific Region, Paladon Systems

Anba is an Engineer with over 20 years' experience in the Oil and Gas Industry. After having obtained a Degree in Electronics and Electrics he began his career at Emerson where he was responsible for DCS, offshore and onshore project implementation for the Asia Pacific Region. He progressed to Head of the DCS aftermarket support team and was then further promoted to Head of the Aftermarket Sales Team. Prior to joining Paladon he spent three years as Digital Product Manager & Digital Product Sales for Dresser Masoneilan. Anba joined Paladon in 2008 as Vice President Sales where is he responsible for managing the Sales and Marketing throughout the Asia Pacific region.

15:50

Subsea MultiManifold™ Technology – A System Approach to Enhanced and Cost-Effective Subsea Production

Mads Hjelmeland Framo Engineering AS

16:15

CLOSE

Please join us for refreshments in the Subsea UK Lounge during OGA.