

MCE DEEPWATER DEVELOPMENT 2013

18 - 20 MARCH, 2013 • THE WORLD FORUM
THE HAGUE • THE NETHERLANDS • WWW.MCEDD.COM

*Shaping the Future of Offshore Energy
Through Innovation*

Show Program

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Subsea axial control valve

Features

- Fast and accurate control (< 2 sec.)
- Subsea anti-surge / compressor recycle
- Subsea separator control
- Subsea severe duty / special control / axial choke valve

Qualifications

- API 6A PSL3 PR2
- Endurance testing (> 500.000 cycles)
- Hyperbaric testing

Other subsea products

- Subsea axial check valves
- Subsea axial HIPPS
- Subsea axial choke valves

References

- Ormen Lange (Statoil) - Subsea anti-surge control valve
- Åsgard (Statoil) - Subsea anti-surge control valve

Mokveld Valves BV

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Letter From The Chairman

WELCOME TO MCE DEEPWATER DEVELOPMENT 2013!

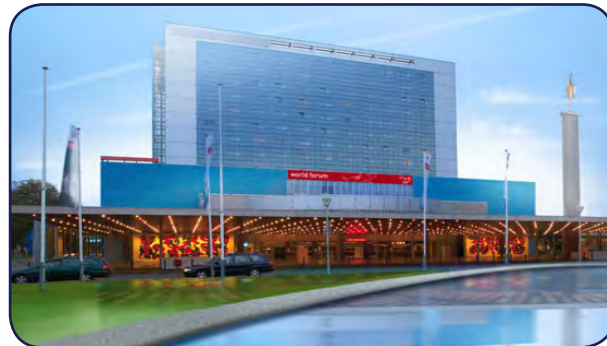
We welcome all of this year's participants to MCEDD and look forward to 3 days of outstanding technical presentations and many networking opportunities. This year, representatives from 35 companies are active throughout the Technical Program. As a result of the overwhelming responses on the technical content, there will be up to three separate technical tracks.

This year's theme, "Shaping the Future of Offshore Energy through Innovation" is a reminder that, as an industry, we must continue to have the vision of where we want to be, and what resources will be necessary for us to achieve that vision. While technical innovation will allow us to continue reaching into deeper and more challenging environments, it is people who will carry us there. Over the next 3 days, I challenge each of those in attendance, to reach out and meet new people, as these relationships will play a crucial role in shaping the future of our industry.

Thank you for attending,



Keith Smith, MCEDD 2013 Chairman





**Welcome
to
The Hague!**



MCE Deepwater Development 2013

Agenda

	Track I	Track II	Track III
Monday 18 March 2013			
08:00 - 19:00	Registration & Badge Pick-Up		
15:00 - 19:00	Exhibition Hall Opens		
16:00 - 17:30	Welcome & Opening Session: Keynote Speaker Matthias Bichsel, Shell		
17:30 - 19:00	Ice Breaker Reception (<i>Exhibition Hall</i>) Sponsored by 		
Tuesday 19 March 2013			
07:30 - 17:30	Registration & Badge Pick-Up		
07:30 - 08:30	Continental Breakfast (<i>Exhibition Hall</i>)		
08:30 - 10:45	Shaping the Future of Offshore Energy Through Innovation		
10:45 - 11:30	Coffee Break (<i>Exhibition Hall</i>) Sponsored by 		
11:30 - 13:00	Strategic Development Approaches	Pipeline Installation & Marine Construction Innovations	Subsea Pipeline & Riser Technology
13:00 - 14:15	Lunch followed by Dessert & Coffee (<i>Pacific Room</i>) Sponsored by 		
14:15 - 15:45	Subsea Production Technologies	Pipeline Leak Detection	Floating Production Innovations
15:45 - 16:30	Coffee Break (<i>Exhibition Hall</i>) Sponsored by 		
16:30 - 18:00	Flow Assurance Technology	Marine Contracting Game Changers	Well Control, Integrity & BOP Technologies
18:30 - 20:30	 Shell Cocktail Reception at the Louwman Museum - <i>Open to Conference Delegates</i>		
Wednesday 20 March 2013			
08:00 - 15:30	Registration & Badge Pick-Up		
08:00 - 09:00	Continental Breakfast (<i>Exhibition Hall</i>)		
09:00 - 10:30	Success in Large Deepwater Projects	Future Outlook of the Marine Construction Market	
10:30 - 11:15	Coffee Break (<i>Exhibition Hall</i>) Sponsored by 		
11:15 - 12:45	Subsea Gas Compression	Novel Floating Production Technologies	
12:45 - 14:00	Lunch followed by Dessert & Coffee (<i>Exhibition Hall</i>)		
14:00 - 15:30	Deepwater Oil & Gas Market Outlook	Subsea Electrification Panel	
15:30 - 16:00	Awards & Closing Remarks		

Shell Cocktail Reception

The MCE Deepwater Development 2013 **Shell Cocktail Reception** will be held Tuesday, 19 March from 18:30 - 20:30 at The Louwman Museum; home to the world's oldest private collection of motor cars, compiled by two generations of the Louwman family. The museum dates back to 1934 and now comprises over two hundred and thirty antique and classic motor cars. Experts regard the collection as one of the most beautiful in the World. Each car has its own story to tell, its own contribution to history. The motor car is a mirror of culture. The museum exudes passion and the Shell Cocktail Reception will be no exception. The reception begins at 18:30 with transportation offered from the World Forum beginning at 18:00.



Shell Cocktail Reception
 Tuesday, 19 March 2013
 18:30-20:30



Open to Registered Conference Delegates



Reception Transportation

**World Forum to
 Louwman Museum:**

18:00
 18:30
 19:00
 19:30

**Louwman Museum to
 World Forum:**

20:00
 20:15
 20:30
 20:45

Public Transportation

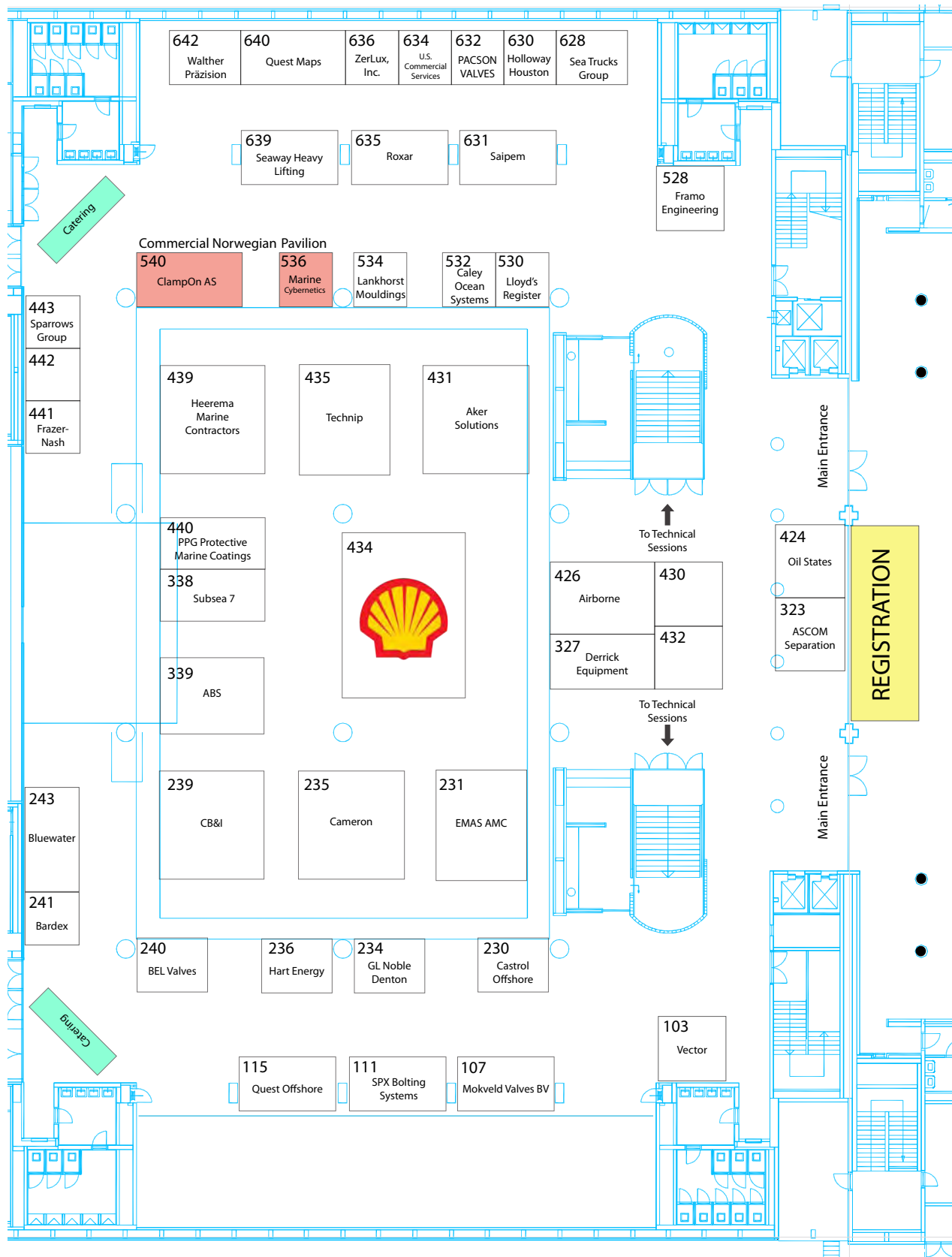
**Bus 90: Waalsdorperlaan
 Den Haag**

**Bus 90: Waalsdorperlaan
 Haarlem Central**

Transportation Sponsored by:



Exhibition Floor Plan



Exhibitor Directory

ARRANGED ALPHABETICALLY

ABS.....	339
Advanced Separation Company (ASCOM).....	323
Airborne.....	426
Aker Solutions	431
Bardex Corporation	241
Bel Valves.....	240
Bluewater Energy Services.....	243
Caley Ocean Systems	532
Cameron	235
Castrol Offshore Ltd.....	230
CBI.....	239
ClampOn AS	540
Commercial Norwegian Pavilion	
ClampOn AS.....	540
Marine Cybernetics AS	536
Derrick Equipment Company	327
EMAS AMC	231
Framo Engineering	528
Frazer-Nash Consultancy Ltd.	441
GL Noble Denton.....	234
Hart Energy.....	236
Heerema Marine Contractors.....	439
Holloway Houston	630
Lankhorst Mouldings.....	534
Lloyd's Register.....	530
Marine Cybernetics AS	536
Mokveld Valves BV	107
Oil States Industries, Inc.....	424
Pacson Valves.....	632
PPG Protective & Marine Coatings.....	440
Quest Maps.....	640
Quest Offshore	115
Roxar - a business unit of Emerson Process Management ..	635
Saipem	631
Sea Trucks Group	628
Seaway Heavy Lifting Engineering B.V.	639
Shell.....	434
Sparrows Group	443
SPX Bolting Systems.....	111
Subsea 7.....	338
Technip.....	435
U.S. Commercial Services	634
Vector Technology Group.....	103
Walther Präzision.....	642
ZerLux, Inc.....	636

ARRANGED BY BOOTH NUMBER

Vector Technology Group.....	103
Mokveld Valves BV	107
SPX Bolting Systems.....	111
Quest Offshore	115
Castrol Offshore Ltd.....	230
EMAS AMC	231
GL Noble Denton.....	234
Cameron	235
Hart Energy.....	236
CBI.....	239
Bel Valves.....	240
Bardex Corporation	241
Bluewater Energy Services.....	243
Advanced Separation Company (ASCOM)	323
Derrick Equipment Company	327
Subsea 7.....	338
ABS.....	339
Oil States Industries, Inc.....	424
Airborne.....	426
Aker Solutions	431
Shell.....	434
Technip.....	435
Heerema Marine Contractors.....	439
PPG Protective & Marine Coatings	440
Frazer-Nash Consultancy Ltd.	441
Sparrows Group	443
Framo Engineering	528
Lloyd's Register.....	530
Caley Ocean Systems	532
Lankhorst Mouldings.....	534
Marine Cybernetics AS	536
ClampOn AS	540
Sea Trucks Group	628
Holloway Houston	630
Saipem	631
Pacson Valves.....	632
U.S. Commercial Services	634
Roxar - a business unit of Emerson Process Management ..	635
ZerLux, Inc.....	636
Seaway Heavy Lifting Engineering B.V.	639
Quest Maps.....	640
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Technical Program

Monday, 18 March 2013

08:00 - 19:00 Registration & Badge Pick-Up

15:00 - 19:00 Exhibition Hall Opens

16:00 - 17:30 Welcome & Opening Session

Welcome Address: Dr. Matthias Bichsel, Projects & Technology Director, **Shell**

- Mr. Paul Hillegeist, President, **Quest Offshore Resources**, "Excellence in the Deepwater through Innovation"
- Mr. Jan Pieter Klaver, Chief Executive Officer, **Heerema Marine Contractors**, "How to Manage the Risk of the Increasing Complexity of Deepwater Oil and Gas Development"

17:30 - 19:00 **Ice Breaker Reception** (Exhibition Hall)

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Track I - World Forum Theater

Track II - Amazon Room

Track III - Mississippi Room

Tuesday, 19 March 2013

07:30 - 17:30 Registration & Badge Pick-Up

07:30 - 08:30 Continental Breakfast (Exhibition Hall)

08:30 - 10:45 **Early Morning Session**

Shaping the Future of Offshore Energy Through Innovation

Moderator: Geoff Proud, E.ON E&P

- Robert Patterson, Vice President Projects Deepwater, **Shell**, "Pushing the Boundaries in Deepwater"
- Thanos Moros, Angola Developments Engineering Manager, **BP**, "PSVM - The Deepest Development in West Africa"
- David R. Wilkinson, Senior Subsea Systems Consultant, **ExxonMobil**, "Doing More with Less"
- Simon Davies, Project Leader - Subsea Technology & Marine Operations, **Statoil**, "Putting Technology to Work - Going Longer, Deeper, Colder"
- Per Arne Nilsen, Head of Subsea Department, **Total**, "Pushing Technological Boundaries for Future Deepwater Assets"

10:45 - 11:30 Coffee Break (Exhibition Hall)

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11:30 - 13:00 **Late Morning Session**

Track One: Strategic Development Approaches

Chair: Geoff Proud, E.ON E&P

Co-Chair: Jens Jorgen Madsen, Maersk

- Mohamed Maher Elsayed Fahim, EPIC Manager - Assistant Project Manager, **Burullus Gas Company**, "Subsea Hot Taps Case Study for WDDM Phase VII Offshore Facilities"
- Pierre-Jean Bibet, Rotating Equipment Engineer, **Total E&P**; Julien Tribout, GirRI MPP Technical Leader, **Total E&P**; Arne B. Olsen, Sales Manager Pumps and Subsea Process Systems, **Framo Engineering**, "Breaking the Rules for Subsea Multiphase Pumping (MPP) Above 100 Bar Differential Pressure"
- Greg Campbell-Smith, Sales and Development Manager, **First Subsea Ltd.**, "Maximizing Field Tie-Back Opportunities - Easier Riser Connections"
- Gandi R. Setyadi, Specialist Engineer Process & Multiphase Flow Simulation, **FMC Technologies AS**, "Optimal Design of a Subsea Gas Compression System"

Track Two: Pipeline Installation & Marine Construction Innovations

Chair: Jan van der Graaf, Heerema Marine Contractors

Co-Chair: David Bloom, Subsea 7

- Dag Burgos, VP Business Development, **EMAS AMC**, "A New Generation Reel Lay Vessel with Lift-able Reels for Remote Operations"
- Michael Bell, Engineering Manager Subsea, **Heerema Marine Contractors**, "Extended Deepwater Riser Installation Capability"




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- Stian Sande, Project Manager for Statoil Skuld Field Development, **Subsea 7**, "Pipeline Installation for Statoil Skuld"
- Emmanuel Fontan, Vice President - Technip Heerema Alliance, **Technip**; Harke-Jan Meek, Vice President - SURF Business Development, **Heerema**, "The Technip/Heerema Alliance, Combining Capabilities to Help Clients Best Address the Subsea Ultra-Deepwater Market"

Track Three: **Subsea Pipeline & Riser Technology**

Chair: Carl-Petter Halvorsen, Stats Group

Co-Chair: Erwin Lammertink, Ceona

-  • Simon Davies, Flow Assurance Engineer, **BP**, "Safe Remediation of a Stuck Pig"
-  • Vikrant Shah, Subsea Engineer, **BP GOM Operations**, "Unexpected Corrosion Phenomenon in Deepwater Subsea Equipment"
-  • Guido Kuiper, Offshore Structures Engineer, **Shell**, "Water Intake Riser Bundle for Floating LNG"
- John Mair, Global Technology Director, **Subsea 7**, "Enhanced Performance Pipe in Pipe"

13:00 - 14:15

Lunch followed by Dessert & Coffee (Pacific Room)

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14:15 - 15:45

Early Afternoon Session

Track One: **Subsea Production Technologies**

Chair: Eric Hansen, Saipem


Co-Chair: Kenneth Richardson, ABS

-  • François Lirola, Project Engineer, **Saipem**, "Swell Barge: An Innovative Wave Energy Converter for Oil & Gas Developments"
- Pascal Montoulives, Subsea Processing Lead, **Shell**, "Subsea Boosting - Drivers and Challenges"
-  • Pierre-Jean Bibet, Rotating Equipment Engineer, **Total**; Celma Silva, Field Ops Engineer, **Total Angola**, "Pazflor Subsea Separation Units on the Sea Floor, One Year After"
- Luc Riviere, R&D Deep Offshore, **Total SA**, "SPRINGS: Subsea Seawater Treatment - Case Study"

Track Two: **Pipeline Leak Detection**

Chair: Dave Wilkinson, ExxonMobil

Co-Chair: Vincent Vieugue, Roxar - Emerson Process Management

- Eirik Sønneland, Chief Executive Officer, **Biota Guard AS**, "Leak Detection and "Health" Effect Monitoring at the Ormen Lange Test Site"
-  • Mohan Kulkarni and Xiaolei Yin, **ExxonMobil**, "Methodologies and Feasibility Assessment of Subsea Leak Detection Concepts"
- David Moodie, Lead Research Engineer, **FMC Technologies**, "Current and Future Leak Detection Technologies for Deep Water and Environmentally Sensitive Areas"
- Michel Masson, CTO, **Franatech**; Co-Author: Xiaolei Yin, **ExxonMobil**, "Laser-Based Gas Leak Detection Technology for Long-Term Unattended Subsea Operation"

Track Three: **Floating Production Innovations**

Chair: Jan Harald Gramnæs, EMAS AMC

Co-Chair: Jens Jorgen Madsen, Maersk

-  • Claudio Verga, Assistant Researcher, Engineering Department, **University of Ferrara**, "Numerical Simulations of FPSO Devices in Heavy Sea Storm Conditions for the Validation of Process Design"
-  • Cyril Pidoux, Offshore Sales Manager, **NFM Technologies**, "Challenges for West Shetland Operation of a Turret Installation Winch"
- Jaap de Vries, Project Director of Prelude FLNG, **Shell**, "Prelude FLNG"

15:45 - 16:30

Coffee Break (Exhibition Hall)

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16:30 - 18:00


Late Afternoon Session

Track One: **Flow Assurance Technology**

Chair: Philippe Perreau, GEP-AFTP

Co-Chair: Laurent Decoret, Technip

- Pierre-Jean Bibet, Rotating Equipment Engineer, **Total**; Simon Gassmann, Development Engineer Subsea Pumps, **Sulzer Pumps**; Xavier Gaillard, Pumps System Engineer, **Sulzer Pumps**, "Multiphase Pumps Limits in Pumping Very High Viscous Fluids"

- Michele Pinelli, Associate Professor, **University of Ferrara**, "Modeling and Numerical Simulations of Two Phases Flow in a Slug Catcher"
- Marc Nikles, CEO, **Omnisens**, "Monitoring Direct Electrical Heating (DEH) Cable with Distributed Temperature and Strain Sensing (DITEST)"
-  Gaurav Bhatnagar, Research Engineer, **Shell**, "Development and Implementation of Advanced Hydrate Management Strategies"

Track Two: **Marine Contracting Game Changers**

Chair: Jens Jorgen Madsen, Maersk

Co-Chair: Stephane Montbarbon, SBM Offshore

- Mr. Edward Heerema, Owner & President, **Allseas**, "Pieter Schelte - The Game Changer in Heavy Lifting"
- Henrik Mork, Vice President - Project Execution, **EMAS AMC**, "EMAS AMC, a New Player in the Subsea EPCI Market"
- Onno Peters, Specialist Marine Engineer, **Dockwise**, "Changing the Heavy Marine Transport Market"
- Vibor Paravic, Director of Engineering, **Ceona**

Track Three: **Well Control, Integrity & BOP Technologies**

Chair: Doug Stroud, Canyon Offshore - Helix

Co-Chair: Jan van den Akker, Cameron

- Inge A. Alme, Vice President/Technical Director, **Scandpower** - Lloyd's Register's Risk Management Consultancy, "BOP Risk Model to Assist Critical Decisions in Offshore Drilling"
- Terje Baustad, Product Manager Downhole; Michael Scott, Technical & Wireless System Product Manager, **Emerson Process Management, Roxar**, "Wireless Measurements Behind Well Casing in Deepwater Oil & Gas Wells - A Joint Project with Statoil"
- Arno van den Haak, Mars B Well Delivery Project Manager, **Shell**, "Mars B Development - Well Challenges & Solutions in a Post Macondo World"
- Sigmund Sevattal, Sales Manager Latina America & Africa, **TCO**, "Third Generation Glass Barrier Technology: Improving Well Completion Integrity and Reliability"

18:30 - 20:30

Shell Cocktail Reception - The Louwman Museum (Open to registered Conference Delegates)

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Wednesday, 20 March 2013

08:00 - 15:30 Registration & Badge Pick-Up

08:00 - 09:00 Continental Breakfast (Exhibition Hall)

09:00 - 10:30 **Early Morning Session**

Track One: **Success in Large Deepwater Projects**

Moderator: Dave Wilkinson, ExxonMobil

- Geraint Rowlands, Project Engineering Authority, **BP Skarv Project**, "Skarv FPSO - Design Factors and Considerations for Harsh Water Environments"
- Geneviève Mouillerat, Project Director - CLOV, **Total**, "Key Elements for Large Deepwater Project Success: Total Perspectives"
- Martijn Dekker, Development Manager - Stones Project, **Shell**, "Deepwater Development Strategy - Balancing Recovery Pace, Risk and Reward"

Track Two: **Future Outlook of the Marine Construction Market**

Moderator: David Bloom, Subsea 7

- Keith Smith, Enterprise Category Manager - Offshore Installation, **Shell**, "Shell's Marine Construction Challenges"
- Gopikrishnan Venugopal, **Total**, "Deep Offshore Successes, Challenges & Futures"
- Erwin Lammertink, Senior Vice President - Commercial, **Ceona**, "Innovation in Deepwater Offshore Logistics & Construction"
- Dr. Stuart Smith, Vice President of Assets & Technology, **Subsea 7**, "View of Market and Subsea 7 Vision Regarding Assets and Technology"
- Robby O'Sullivan, Subsea Regional Technology Officer, Asia Pacific, **Technip**, "Integrated Approach to Future Field Development Challenges"

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10:30 - 11:15

Coffee Break (Exhibition Hall)

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11:15 - 12:45

Late Morning Session

Track One: **Subsea Gas Compression**

Chair: Laurent Decoret, Technip


Co-Chair: Jan van der Graaf, Heerema Marine Contractors

- Knut Nyborg, Vice President Subsea Power and Processing Systems, **Aker Solutions**, "Subsea Compression Technology - Existing and Future"
- Arne B. Olsen, Sales Manager Pumps and Subsea Process Systems, **Framo Engineering**, "Wet Gas Compressor Technology is Qualified and Ready for Pilot Installation in the North Sea"
- Terence Hazel, Senior Electrical Engineer, **Schneider Electric**, "Ormen Lange Subsea Switchgear"
- Mathias Owe, Project Manager Ormen Lange Subsea Compression Project, **Shell**, "Subsea Compression: Qualifying Technology for Application on the Ormen Lange Gas Field"

Track Two: **Novel Floating Production Technologies**

Chair: Kenneth Richardson, ABS

Co-Chair: Patrick van Eerten, Jumbo Offshore

-  • Jorn Boesten, Segment Manager Offshore, **DSM Dyneema**, "New Fiber for Deepwater Permanent Mooring, Development, Validation, Feasibility"
- Dr. Yile Li, Research Engineer, **Shell**, "Ultra-Deepwater Floating Production Systems and Offloading Technologies"
- Patrick Pandeale, Lead Electrical Engineer - CLOV Project; Antoine Lucas, Lead Mechanical Engineer - CLOV Project, **Total E&P Angola**, "CLOV Project: First 'All Electric' FPSO with Variable Speed Drives"

12:45 - 14:00

Lunch followed by Dessert & Coffee (Exhibition Hall)

14:00 - 15:30

Closing Session

Track One: **Deepwater Oil & Gas Market Outlook**

- Brad Handler, Managing Director - Research Analyst, Oilfield Services & Drilling, **Jefferies**, "Macro Outlook"
- Tom Curran, Senior Analyst, **Wells Fargo**, "Lucky 2013? An Expected Inflection Year for The Subsea Production Systems Market"
- Edward Muztafago, Vice President - Equity Research, **Société Générale**, "Deepwater Drilling Outlook - Stacking the Deepwater Deck - Ample Newbuild Opportunities Remain"

Track Two: **Subsea Electrification Panel**

Moderator: Milton Korn, ABS

- Svend Rocke, Chief Consulting Engineer - Subsea Power, **GE**, "Challenges Subsea Power, an Introduction to Subsea Electrification Panel Discussion"
- Henrik Steine Madsen, Vice President & Head of Subsea, **Siemens**, "Challenges with Subsea Electrification"
- Steinar Midtveit, Leading Advisor Subsea Electrical Technology, **Statoil**
- Truls Normann, First Chief Engineer Subsea Power & Manager of Subsea HV Power Products and Technology, **Aker Solutions**, "Existing and Future Subsea Power Distribution Systems"
- Ola Jemtland, Manager Power Systems, Process Control & Instrumentation - Subsea Process Systems, **FMC Technologies**, "Subsea Multiphase Boosting with Permanent Magnet Motor in Long Step-Out Configuration"
- Michael Mancuso, Director of Marketing - Subsea Systems Division, **Cameron**

15:30 - 16:00

Awards & Closing Remarks



This year marks the fourth annual Early Career Engineer (ECE) program for MCE Deepwater Development. The ECE Program began in Amsterdam, in partnership with ASME-IPTI and the support of BP, as a high-profile platform for the industry's new engineers to share the technologies, projects and ideas they are working on with the decision makers among the deepwater industry. The program has grown since 2010 and this year's ECE participants represent international oil companies, major manufacturers and key members of the supply chain. We welcome all conference delegates to attend the technical program and listen to what these talented engineers have to share; we also want thank BP for their ongoing sponsorship as well as the SUT for their strong support of this growing program.



Advisory Committee & Session Chairs

MCEDD 2013 CHAIRMAN



KEITH SMITH, ENTERPRISE CATEGORY MANAGER – OFFSHORE INSTALLATION (SPEAKER)

SHELL

Keith has been responsible for the design, fabrication, transportation, and installation of offshore facilities for 20+ years with Shell. He has been involved in the installation of most types of offshore platforms including deepwater spars, TLP's, semi-submersibles, FPSO's and shallow water fixed platforms and was most recently the Installation Lead for the world record Perdido spar. In 2010, Keith assumed the role of Shell's Global Category Manager for Offshore Installation.

Keith has an M.S.-Structural Engineering degree from the University of Texas at Austin and a B.S.-Civil Engineering degree from Tulane University. He also holds a Master's Certificate in Project Management from George Washington University.



JAN VAN DEN AKKER, PRODUCT MANAGER CONTROLS SYSTEMS

CAMERON

Jan van den Akker is currently the Product Manager Controls Systems for Cameron, based in Celle, Germany, Cameron's Centre of Excellence for Production Controls systems. He received a MSc. degree in Mechanical Engineering from the Delft University of Technology. He has over 20 years of experience within the Oil & Gas Industry and was involved in many subsea projects. His job positions included Product Engineer, Project Engineer, Sales Engineer, Project Manager, Manager of Projects and most recently as Project Director on a project for delivering the world's first All Electric Tree system on the TOTAL K5F Project in the Dutch Sector of the North Sea. During his career he spent time at various locations worldwide. In his current position he is responsible for identifying technology drivers, and implementing new Control Systems products and services within the Subsea industry.



BOB ALLWOOD, CHIEF EXECUTIVE

SUT

Dr Bob Allwood graduated from the University of Reading, UK, with a 1st class honours degree in physics and obtained his PhD from Heriot-Watt University, Edinburgh. After working in the field of physics research for some five years at Heriot-Watt University and in industry, he then turned his attention to the problems of working in the underwater environment. Over the coming years he was to work the University's Department of Electrical and Electronic Engineering on ROV development and then as Manager of Engineering in the University's Institute of Offshore Engineering. He moved to Cranfield University in 1986 as Senior Lecturer in Underwater Technology and undertook research aimed at the improvement of underwater vision. Whilst there, he also developed and presented Masters programmes for the underwater and subsea sectors. As an academic he worked closely with the Society for Underwater Technology, serving on a number of their technical committees and also their Council. He was elected a Fellow of the Society in 1994.

Bob was appointed Chief Executive of the Society for Underwater Technology in December 2009.



CHRIS BARTON, SENIOR VICE PRESIDENT – OIL & GAS BUSINESS DEVELOPMENT

KBR

Christopher M. Barton is currently Sr. Vice President - Business Development, Oil & Gas for KBR, Inc. based in Houston, where he has global responsibility for business development and sales for KBR's upstream business unit. Chris has over 30 years experience in the upstream oil and gas industry and has also held senior roles with FloaTEC, Technip, McDermott, ABB and PennWell. Since commencing his career as a Field Engineer with McDermott in Singapore in 1980, Chris has worked in a wide range of roles encompassing Operations, Engineering, Fabrication, Projects and Business Development in the Americas, Asia Pacific and Middle East. Areas of expertise include executive management, marketing and sales, business development, project engineering and management, construction site supervision, offshore operations, and field development work. Experience covers all aspects of the upstream industry, including business-to-business publishing, and developing and managing industry events.



KEN BAYNE, PROJECT DIRECTOR – KNARR FIELD DEVELOPMENT

BG GROUP

Ken is the Project Director for BG Norge's Knarr Field Development, offshore Norway, and is based out of Stavanger. Ken has served as the Deputy Project Director for the Jubilee Development, offshore Ghana and Project Manager for Murphy West Africa's Azurite Project. As a Deepwater Project Management Consultant his other customers have included Devon Energy Corporation, Ocean Energy Inc., Mariner Energy and ASME.

Ken has previously served as the Deepwater Development Manager at Unocal, Project Manager for Mariner Energy for the Pluto Subsea Development Project - Gulf of Mexico, Process Manager for Shell Deepwater Development Systems in New Orleans, and the Ursa TLP Topsides Manager for Shell Offshore Inc. Ken began his career with Shell in California managing thermal recovery projects. Ken holds a Bachelors Degree in Mechanical Engineering at the University of Illinois, and is a registered Professional Engineer. He is the past Chair of ASME IPTI and is the Chairman Emeritus of the Petroleum Division Executive Committee.

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**DAVID BLOOM, CORPORATE BUSINESS DEVELOPMENT DIRECTOR
SUBSEA 7**

David joined the Offshore Industry in 1975 as Financial Controller with Oceaneering. He then progressed to be Financial Director of their UK Company in 1980, before transferring to become Manager of their North Sea Business in 1982. David then had Various roles during his 20 years with Oceaneering as General Manager of the Southern North Sea and West Africa followed by Business Development Director for the North Sea and West Africa. He left in 1995 to Join Jay Ray McDermott as Business development Manager for UK Europe when they formed McDermott Subsea. In 1998 he joined the Brown Root Organisation as Business Development Manager, responsible for Rockwater's business and Brown and Root projects in the North Sea. David has been involved in the growth of Subsea 7 through the integration of Rockwater and Subsea Offshore: DSND and lately the Acergy, Subsea 7 merger. In the New Subsea 7 David is Corporate Business Development Manager. David brings a great deal of Contractor Subsea knowledge to the industry after 35 years.



**MICHEL BONTE, VICE PRESIDENT BUSINESS DEVELOPMENT
BLUEWATER ENERGY SERVICES**

Mr. Bonte, is Vice President of Business Development with Bluewater Energy Services. Mr. Bonte held management positions with the Heerema Group, Seaway Heavy Lifting and the Glenmore Group prior to joining Bluewater in 1996. He holds a bachelor's degree in Civil Engineering and an MBA . He has over 30 years of experience in the offshore industry.



**JAN EGIL BRAENDELAND, SENIOR VICE PRESIDENT – GLOBAL UPSTREAM SALES
FOSTER WHEELER ENERGY LIMITED**

Jan Egil Braendeland is currently Senior Vice President – Global Upstream Business Development for Foster Wheeler. He is a seasoned professional and was brought in to strengthen the upstream business development function as Foster Wheeler continues its strategic focus and growth in the global upstream arena.

He has More than 20 years experience, including subsea/pipeline/marine engineering/fpso's and project management and operation roles for offshore projects and progressive assignments in Sales and Business Development.

Mr. Braendeland has a Master of Science in Marine Engineering and Naval Architecture from the Norwegian Institute of Technology, University of Trondheim and a Postgraduate Diploma in Business and Administration, University of Surrey, Surrey European Management School. He and his wife Marta live in Guilford and have one son.



**DAVID A BROOKES, SENIOR ADVISOR SUBSEA AND FLOATING SYSTEMS
BP E&P SUNBURY UK**

Over 45 years Industry Experience. Starting with Esso UK Refineries, Rotating Equipment with Ingersoll Rand and Selection Trust in International mining engineering..

Joined BP in 1980 and spent time on Subsea and Multiphase Pipelines and Chemical Plant. Since 1987 he has been in Subsea and Floating Systems inc Subsea Project Manager for the Foinaven Development WoS and since 1998 in a variety of Senior Leadership roles in Technical and Discipline Engineering in the Central Engineering functions.

In 2006 he became BP's first Chief Engineer for Subsea and Floating Systems and is currently a Senior Advisor.

BSc Mech Eng, Chartered Engineer, FIMechE, FIMarEst, SPE, Past President and Hon Fellow SUT, Registered Subsea Engineer + 30 papers and presentations.

SUT David Partridge Award, Subsea UK 2009 Engineer of Year Award.



**LAURENT DECORET, VICE PRESIDENT SUBSEA TECHNOLOGIES
TECHNIP**

Laurent Decoret is a french engineer graduated from Ecole Centrale de Lyon with over 18 years experience in the oil and gas subsea industry. He joined Coflexip in 1994 in Aberdeen, Scotland, as a flexible pipe design engineer, then became the flexible design manager before heading the engineering department of what had by then became Technip UK. During that period he has been involved in many North Sea subsea projects. In 2007, he returned to Technip France in Paris to coordinate the engineering of the Total E&P Angola PAZFLOR SURF tender, one of the largest subsea contract to be undertaken by Technip at that time. After the project was awarded early 2008, Laurent remained the engineering manager during the execution of the project, from the early design phase to the final offshore installation campaign in 2011. He then headed a task force between different Technip group entities to improve deepwater flexible pipe riser end fitting performance for the ever more challenging offshore developments. Laurent has recently been appointed Technip Subsea Technologies Vice President.



**PATRICK VAN EERTEN, DIRECTOR OFFSHORE & OPERATIONS
JUMBO**

Mr. Patrick van Eerten studied Naval Architecture at the University of Delft concurrently while obtaining a Dutch Naval Commission from the Royal Netherlands Naval Academy. After serving as an Officer in the Navy for 15 years, his offshore career started at "Heerema Marine Contractors", as Manager Operations. He then continued with Stork in a joint venture with "Amec and Jacobs", (AJS, one of the largest integrated service contracts with Shell). Since early 2011 Patrick is a Director at Jumbo, responsible for Jumbo's operations and offshore division. He holds an MBA from IMD in Lausanne.



PHILIPPE GERLACH, DEPUTY VICE PRESIDENT FOR TECHNOLOGIES

TOTAL

Philippe Gerlach is graduated from the National Polytechnic Institute of Grenoble. He joined TOTAL E&P in 1981. He held various positions in France, Norway, Abu Dhabi, Cameroon, Indonesia in the fields of process & project engineering, commissioning, start-up, production operation, and field development engineering. In 1998 he was responsible of fields development for the Asia-Pacific area. He became in charge of Safety General Inspection for TOTAL Group in 2002. In 2004 he was appointed Technical Director for TOTAL Angola and then in 2005 took the lead of TOTAL E&P process department. Since 2010, he is holding the position of Deputy Vice President for Technologies of TOTAL E&P.



JAN VAN DER GRAAF, VICE-PRESIDENT INNOVATION

HEEREMA MARINE CONTRACTORS

Jan van der Graaf graduated in Civil Engineering at the Delft University of Technology in 1984.

He joined Heerema Marine Contractors a year later.

In the first 15 years of his career he worked in the Technology department where he was involved in several Installation projects. He took up the responsibility for the Structural Department designing large north Sea Jacket and topside structures ; from 1999 he joined Heerema's initiative to play a role in the civil construction market, involving new ways of tunnel construction. Soon afterwards he took up the responsibility to set up the engineering group for Heerema's pipelay initiative.

Since 2010 Jan is Vice president Innovation and leads the innovation department.



JAN HARALD GRAMNÆS, SENIOR SPECIALIST ENGINEER

EMAS AMC

Jan Harald Gramnæs graduated from the Norwegian University of Science and Technology, Naval Architecture, in 1974. From 1974 to 1995 he held various positions within Aker Engineering AS and Aker Solutions AS as Project Engineer and Department Manager, in the area for design and engineering of MODUs and FPSs. He has also worked with several topside transportation and installation projects. In 1995, he moved to Aker Marine Contractors (AMC) and worked as Vice President - Engineering in the Europe region, where he built up a strong team

of experienced engineers and new graduates. In his present position he is involved in several studies and development projects. In 2011, EMAS acquired Aker Marine Contractors from Aker Solutions AS, and formed the subsea construction and installation company EMAS AMC.



TOR ARNE GUNNERØD, SENIOR ADVISOR/MANAGER

STATOIL

Tor Arne Gunnerød has a strong background within offshore gas and oil production gained during various field developments and projects, including operation of subsea- and topside facilities.

Present position in Statoil: Manager Field Concept Centre (Early phase).

He attended RDH which was later named the University of Stavanger from 1977 – 1981.



CARL-PETTER HALVORSEN, DIRECTOR

STATS GROUP

Carl-Petter Halvorsen has more than 30 years of experience in the subsea part of the Oil & Gas business, all related to the engineering, design, procurement and installation of rigid pipe, flexible pipe and subsea construction work. He started off with Uglund Offshore, which later became DSND, and later became Subsea7. He left them in 1998 and joined Wellstream as General Manager for their Norwegian office. Moved to Newcastle for Wellstream in 2001 as their Business Development Director. When Wellstream was sold in 2004, he left and

moved to Aberdeen setting up his own company –Consultare Ltd. - assisting, Norwegian companies with new and innovative technology to penetrate the international part of the oil and gas market. Main focus is the subsea and pipeline market. 5 years ago he was one of the founders of flexlife Ltd. based in Aberdeen, flexlife was growing to 70 people, he Left flexlife spring 2011. He is also involved in M&A and corporate finance opportunities in Norway. Now supporting Stats Group as Director - Business Development, on the international pipeline arena. He lives in Aberdeen.



ERIC HANSEN, COMMERCIAL VICE PRESIDENT SOUTH EAST ASIA & CHINA

SAIPEM ENGINEERING & CONSTRUCTION BU

Eric Hansen graduated in Mechanical Engineering with Ecole Centrale de Nantes in France and in Petroleum Economics with the French Institute of Petroleum (IFP). He has more than 30 years of experience in the Oil and Gas industry.

Eric Hansen started his career as Field Engineer and R&D Manager for pipeline services companies, mainly in the Middle East, before he joined Coflexip (Technip) as Project Manager in 1989.

Since 1992, he has worked with ETPM as Project Manager in the North Sea before moving to Sales and Marketing, in charge of Nigeria and later of the whole of Africa. In 2000, when ETPM was integrated within Stolt Offshore (renamed Acergy and then merged with Subsea7), Eric Hansen was promoted Commercial Director with Stolt Offshore for the Africa, the Mediterranean Sea and the Caspian Region with overall responsibility for Marketing, Tendering and Sales.

Eric joined SAIPEM in 2006 as Business Development Manager for the South Atlantic Region, based in France, with a special focus on deepwater projects and subsea processing developments.

In 2010-2011, Eric Hansen was Commercial Manager with Saipem America in Houston and is now Commercial Vice President of the Engineering & Construction BU for South East Asia & China, based in Singapore.

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FRITS JANMAAT, VICE PRESIDENT COMMERCIAL & STRATEGY

ALLSEAS GROUP SA

Frits is Vice President Commercial and Strategy for Allseas Group SA based out of Châtel-Saint-Denis in Switzerland.

Frits has served in the Oil and Gas industry since 1975 and has held positions ranging from project engineering, project management, marketing and sales, business development and executive management in the offshore construction segment of the business.

He has held engineering and management positions in Leiden and Delft, the Netherlands, London, UK and Houston, USA. Customers

include all Majors, all Independents and a majority of the National Oil and Gas companies.

Frits has previously served on the Advisory Committee of Marine Construction Europe and has been president of the International Marine Contractors Association (IMCA) in 2005 and 2006.



ELEN GAARD JOHANSEN, SENIOR PROJECT ENGINEER

RWE DEa NORWAY

Elen has a Master of Science in Marine Technology from the Norwegian University of Technology and Science. She has also studied

television production. She started her working career in 2004 as a Management Trainee in Aker Solutions Well Services, Stavanger, Norway.

After the trainee program she continued in Aker Solutions Subsea, Oslo, Norway, mainly working with tenders. Until autumn 2011 she

worked as a Tender Manager in the Tie-In and Structures Department of Aker Solutions Subsea. In September 2011 she started in the RWE

Dea Norway's new established department for Field Development where she is working with RWE Dea Norway's operated licenses in the North Sea.



MILTON KORN, MANAGING SENIOR PRINCIPAL ENGINEER

ABS

Milton Korn joined ABS in July of 2010. His current assignment based in Houston, Texas is as Managing Senior Principal Engineer,

leading the Electrical & Controls Group within the Corporate Offshore Technology Division. His current research efforts are focused on

subsea electrification including subsea power system analysis; rotating electrical machinery for subsea and down hole installation; subsea

wireless communication to facilitate in-service survey and DC power systems. Prior to joining ABS he was the Director of Electrical &

Automation Systems for Celebrity Cruise, a wholly owned subsidiary of Royal Caribbean Cruise where he provided technical and logistical leadership for

a fleet of 11 operating passenger vessels while mentoring a staff of over fifty electrical officers. He has participated in numerous planned dry-docking

events, emergency dry-dockings, commissioning of new construction and repairs/remanufacturing of inverter and direct line fed large high voltage

propulsion and thruster motors, propulsion drives and machinery automation systems. He is also an Assistant Professor of Electrical Engineering at the

United States Merchant Marine Academy, Kings Point, NY where he periodically leads classes in electrical propulsion and marine automation systems. He

holds a current Chief Engineers License with STCW endorsement, is a Registered Professional Engineer in NY and NJ.



ERWIN LAMMERTINK, SENIOR VICE PRESIDENT COMMERCIAL (SPEAKER)

CEONA

Erwin joined CEONA in May 2010 and is Senior Vice President Commercial. CEONA is a Marine Contractor with two Deepwater Construction

Vessels backed by GoldmanSachs CP. The vessels are capable of installing umbilical's, flexible's or rigid flowlines with a tension up to 550 mt

and subsea lowering of up to 500 tonnes in 2500 meters of water.

At CEONA, Erwin is responsible for all commercial activities from initial prospects identification up to contract signing.

Prior to CEONA Erwin worked 20 years at Heerema Marine Contractors, of which 10 years in the Commercial Department. During that period he has been

responsible for South America, Gulf of Mexico, Europe, Russia and the Med and lived in both Houston, TX and Oslo Norway.

Erwin obtained a Master degree in Civil engineering from the Delft University of Technology in the Netherlands. He completed the Programme for

Mobilizing People at IMD, Switzerland and Finance for Executives at INSEAD, France.



FRANS PIETER LINDEBOOM, WELL CONSTRUCTION CONTRACT COORDINATOR

REPSOL EXPLORATION SA

Currently Repsol Exploration P&C global well construction coordinator, main responsibility in supporting global drilling projects in

contracting of drilling rigs and drilling equipment and services.

Previously sales and business development roles at Royal Vopak/ Univar and Supply Chain Management Consulting.

MSc Chemical Engineering and Refining Engineering at IFP-school in Paris.



JENS MADSEN, DIRECTOR, BUSINESS DEVELOPMENT

MAERSK DRILLING

Jens J. Madsen is a naval architect, and has worked in various drilling contractor positions. He has recently been responsible for the

expansion of Maersk Drilling into the Caspian Sea and into the deepwater market. Currently he is Director of Business Development

involved in defining the next generation rigs for Maersk Drilling.



LARS MANGAL, CHIEF COMMERCIAL OFFICER

WELLTEC

Responsible for Welltec's global commercial activities.

Joined Welltec in 2010 and brings with him extensive international oilfield services experience, following 20 years of working for the largest

oilfield service firm Schlumberger Ltd. Lars has managed multiple major business units in Schlumberger Ltd including establishing new

businesses in the subsea domain, most recently he was global Vice President of Well Stimulation Services for Schlumberger. He provides

Welltec with highly relevant new business and market experience. Lars studied in Edinburgh, Scotland and graduated with an Honors degree in

Engineering.



KEVIN MCBARRON, REGIONAL DIRECTOR – EUROPE & WEST AFRICA

UTEC SURVEY

Kevin McBarron is Managing Director of UTEC Survey Construction Services Ltd. Kevin joined Racal Survey in 1991 and spent the next 12 years working as an Offshore Surveyor, Party Chief and Project Manager on developments across the globe spanning South America to SE Asia.

Following this the last 8 years have been spent in various senior management positions in the oil and gas sector, most recently as Managing Director of Aberdeen based subsea equipment specialists CDL.

Kevin is an honours graduate of the University of Glasgow. Based in Aberdeen Kevin leads the UTEC Survey UK, Mediterranean and West African team's efforts in growing the core business alongside the introduction of additional complimentary service lines.



GARRY MILLARD, GROUP BUSINESS DEVELOPMENT DIRECTOR

SPARROWS GROUP

Garry Millard recently joined the Sparrows Group in Aberdeen as Group Business Development Director and has global responsibility for business development, marketing and sales. Garry has worked in the Oil and Gas Industry for over 33 years and was originally an Engineer; he has a MBA from Robert Gordon University in Aberdeen and for the last 15 years has worked in senior project management, commercial, business development and director roles for the likes of Stolt Offshore, Saipem and DOF Subsea. Garry has significant subsea construction, installation, and inspection, repair and maintenance experience. Garry is a past Chairman of the Pipeline Industry Guild (Aberdeen branch) and a current Aberdeen branch committee member.



STEPHANE MONTBARBON, OFFSHORE CONTRACTING DIRECTOR

SBM OFFSHORE

More than Twenty years of engineering, project management, and sales position in the development of major offshore projects around the world, extensive experience in management and engineering of deepwater submarine pipelines, risers and subsea structures. Areas of expertise include proficiency in delivering technical and commercial proposals, contract negotiation, project management, technical presentation, marketing analysis and business plan preparation.



ERIC NAMTVEDT, PRESIDENT

FLOATEC

Over 30 years of experience in the international oil & gas industry, worldwide, working with a major oil company, a national government body, and several global E&C contractors.

His background has taken him through most aspects of the E&P business cycles, from project cost control, finance and accounting, management of joint interest partnerships and negotiations with host governments, establishment fabrication yards and technology service companies, to diplomatic assignments as oil & gas commercial counselor, and director of business development and sales, and to being project manager of large engineering teams.

Most notably Eric has led the establishment of FloaTEC, the deepwater Joint Venture between Keppel and McDermott, becoming a world-class floating production system company, successful in securing deepwater FEED and EPCI contracts in excess of US\$ 1 billion within the first 5 years of operation. Eric is a Norwegian citizen, who since 2001 has been living in Houston, Texas with his wife Camilla. They have three grown children. Having spent most of his career engaged in the oil business around the world, Eric is fluent in English, French and his native language Norwegian



STIAN ØDEGAARD, VICE PRESIDENT OPERATIONS SUPPORT

AKER SOLUTIONS

Stian is married and has two children. He lives in the Oslo area and works for Aker Solutions AS, in the subsea business area.

Stian was born in Oslo in 1977. Stian started his studies in Trondheim at NTNU in 1998 after two years of military service in the Royal Norwegian Engineering Corps. His studies at NTNU were in mechanical engineering and graduated in 2003. His master thesis was written by for NTNU and Kvaerner Oilfield Products A.S (now Aker Solutions). The topic of his pre study and master thesis was on reliability

management for new subsea system developments.

Stian started his career in Kvaerner Oilfield Products in 2003 as test engineer for the Kristin Subsea High Pressure and High Temperature development project for Statoil. He was a part of engineering, assembly and testing as well as the offshore installation campaign. After the follow up on Kristin he continued support for the project in engineering support.

After successful completion of this project and other project involvement he started with tendering from a technical point of view. He completed several tenders as system engineering responsible and held this role for several years.

In 2007 he was tasked to head up the ongoing global initiative for Rapid Solution™ X-mas trees. At the same time he was asked to start up the system engineering department in Houston and had the opportunity to work for Aker Solutions Inc. for a year.

Upon return to Norway, he returned to the position as system engineering and technical responsible for the new established tendering department in Aker Subsea, managing the technical aspects of major subsea projects tendering globally.

In 2010 he was asked to head up the Subsea Lifecycle Services – Lifecycle Technology department, with focus on supporting our global service organization with engineering support and knowledge sharing.

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DOMINIQUE PERINET, SENIOR TECHNICAL ADVISOR IN THE AFGOM TERRITORY

SUBSEA 7

Dominique Perinet has been working for 40 years in the offshore industry :design for pipelines and for fixed and floating structures and in the installation technologies. After graduating, he joined ETPM (formerly Stolt Offshore and Acergy) in 1972 as structural engineer working on steel jacket platforms. . He is graduated in Civil Engineering at the Ecole Nationale des Ponts et Chaussées in France, with a Master of Science in Mathematics. He has worked on a vast number of technical subjects including: soil mechanics; waves and currents; compliant deep water platforms; pipelay vessel designs and shallow and deep water pipelay technologies. He had been member of international committees such as API and ISO, and university professor in offshore structures, heavy construction technologies and pipelines.



PHILIPPE PERREAU, DIRECTOR – TECHNOLOGIES INNOVATIONS PROJECTS

GEP AFTP

Since 2009, Philippe Perreau has been appointed GEP-AFTP Director , Technologies Innovations Projects and Director of R&D CITEPH Program

Philippe Perreau, 55, holds a Master of nuclear physics and an engineering industrial diploma from the University Paris-Sud Orsay. He joined IFP in 1982 as research engineer in the Drilling Division where he participated in various projects. In 1990, he joined IFP office in Singapore as Head of upstream industrial development. In 1992, he returned to the drilling Division, where he was in charge of project "Retrieving data during drilling". In 1998, he was Deputy Commissioner General of CEP & M (Committee of Petroleum and Marine Studies). In 2007, he was appointed Director of IFP SME's Relations Division. In 2006 and 2007, Philippe Perreau was also Chairman of the French section of SPE (Society of Petroleum Engineers).



GEOFF PROUD, SUBSEA WELL ENGINEER

E.ON E & P UK LTD.

Over 30 years experience of the subsea sector of the oil business from both Operator & Service Company sides of the fence. Starting my oil career with Shell developing the diverless UMC system for the Northern North Sea before moving to BP for its West of Shetland forerunner. On the Service side worked with Halliburton & GMIS to developed the fashionable Integrated Service Contracts before moving to Expro to complete the conceptual work for the AXIS deepwater intervention system. Have been with E.ON since they became an active Operator in the E& P business in Europe and as they initially were developing gas assets have spent time in the shallow water environment but where we applied some very cost effective deepwater solutions.



KEN RICHARDSON, EXECUTIVE VICE PRESIDENT OF ENERGY PROJECT DEVELOPMENT

ABS

Vice President Energy Project Development Kenneth Richardson has been with ABS since 1982. Over his 30-year career, he has held a range of engineering and management positions within ABS and ABS Group and has been active in industry associations, including the American Petroleum Institute (API) and the American Society of Mechanical Engineers (ASME). He earned his BS in Mechanical Engineering and MS in Ocean Engineering from the Stevens Institute of Technology, Hoboken, NJ, and attended the Program for Management Development at the Harvard Business School.



DOUGLAS STROUD, SENIOR VICE-PRESIDENT, GLOBAL COMMERCIAL

CANYON OFFSHORE

Mr. Stroud is Senior Vice-President, Global Commercial for Canyon Offshore, Inc., a Helix ESG subsidiary (NYSE:HLX) He has worked in the offshore industry since 1976 in a variety of roles including Operations, Sales and Management. He is currently responsible for managing all Commercial Activities and Contracting for Canyon Offshore Global Services and serves as an executive officer of the Corporation.

Mr. Stroud is a "Fellow" of the Marine Technology Society (MTS), a past Board member of the Association of Diving Contractors, and has served as; the Vice-Chairman of the MTS ROV committee, a member of the MTS Manned and Unmanned Submersible Committee, National Ocean Industries Association (NOIA) Technical Policy Committee and served 8 yrs. on the Offshore Technology Conference (OTC) Board of Directors, including 2 yrs. as Vice-Chairman, representing the Marine Technology Society from 2004-2012.



ROGER SWAINE, GROUP MANAGER – DEVELOPMENT PROJECTS & ENGINEERING

TULLOW OIL

Joined Tullow Oil in 2009 to lead their Development Projects function and establish de-livery capability to enable the company to put in place the production assets required to increase capacity in a manner complimentary to Tullow's success as an Exploration company. Responsible across all Tullow's business regions for the successful definition and delivery of projects ranging from deepwater West Africa to land locked onshore facilities in East Africa.

Previously as Vice President – Projects for AMEC Natural Resources and similarly with Brown and Root prior to the formation of KBR. Has some thirty years professional experience in Project Management gained through positions of responsibility on major capital projects within contracting organisations. Career to date includes major projects in the UK North Sea, such as field developments for Conoco, Shell, BP and Mobil, as well as overseas developments such as platforms for Petrobras, Brazil, in the South Atlantic and Terra Nova for PetroCanada offshore Newfoundland. Most recent "hands on" project responsibility was for the Sakhalin II development for SEIC encompassing topsides design, procurement and management services for the Lunskeye A and Piltun B platforms – a challenging and record breaking arctic "frontier" project – the first to be installed offshore Russia. Roger is a Chartered Mechanical Engineer with an MBA from Henley Management College and is a member of the Institute of Directors.



**FRANÇOIS THIEBAUD, VICE PRESIDENT OPERATIONS
DORIS ENGINEERING**

François THIEBAUD has a French civil engineering degree and an MS degree in Ocean Engineering from USC at Los Angeles. François THIEBAUD worked in Houston for 7 years with RJ Brown & Associates, then with Intec Engineering. He joined DORIS in 1992 as pipeline project engineer, then project manager. He was engineering manager for the GIRASSOL URF package and has since been involved in various large size subsea and floater projects.

He is now Vice President of Operations with Doris Engineering.



**VINCENT VIEUGUE, VICE PRESIDENT OF GLOBAL SALES & MARKETING
ROXAR, EMERSON PROCESS MANAGEMENT**

Vincent has a M.Sc in Oceanography and an M Sc in Geophysics from respectively Toulon and Strasbourg Universities in France. He has worked 18 years of in the Oil&Gas industry and acquired a broad international experience both in exploration and production. Prior to the current position in Roxar, Vincent worked 12 years in seismic exploration in various assignments within Operations, Research and Engineering, and Sales.

He joined Emerson Process Management Roxar division in May 2006 and became part of the executive Management team since then. Currently Vice President of Global Sales & Marketing with Roxar, Emerson Process Management.



**JOHN WEEDON, VICE PRESIDENT SALES OFFSHORE & PIPELINE
CB&I**

John Weedon is Vice president Sales Offshore & Pipelines for CB&I PEC based in London. He has been associated with the Oil & Gas Contracting Industry both in the UK and overseas for just over 30 years, and is a past Chairman of the International Oil & Gas Business Advisory Board to the UK Government.



**D. R. (DAVE) WILKINSON, SENIOR SUBSEA SYSTEMS CONSULTANT (SPEAKER)
EXXONMOBIL**

Dave joined ExxonMobil after completing a Materials Engineering degree at Monash University in Melbourne in 1980. During his 30+year career with ExxonMobil, Dave has developed a wide range of expertise in areas including drilling, construction and major projects, as well as in subsea systems design, installation, startup and operations.

Dave is also an active participant in the various ISO and API subcommittees related to subsea production systems.

Dave, together with his wife and 2 daughters, has lived in both the UK and USA during various assignments with ExxonMobil's Production and Development Companies, and is now resident back in Melbourne with his family.



**LUTZ WITTENBERG, EXECUTIVE VICE PRESIDENT EUROPE
GL NOBLE DENTON**

Lutz Wittenberg studied Naval Architecture at the Technical University in Hanover where he graduated in 1977 with a Master's degree. He has extensive experience in the Offshore Industry for which he is working since more than 25 years.

Lutz Wittenberg has spent most of his professional career at Germanischer Lloyd where he took his first management position at the "Offshore and Structure Department" from 1989 until 1993. His main focus in this position comprised the delivery of consulting and verification projects for offshore installations in the North Sea, Middle East and Asia.

Following this, he took on a role in Kuala Lumpur, Malaysia as Head of "GL's Technical Office South East Asia", being in charge of delivering technical and marine assurance services for clients in the region.

In 1996, he returned to Hamburg and became member of the GL management board, taking a role as Director of the "Projects and Marketing Division".

From 2001 to 2005, Lutz moved into the position as Regional Director of the "Division Mediterranean/Middle East/Black Sea/Africa". From his office based in Greece, he was responsible for GL's classification and consulting services.

In 2005, Lutz Wittenberg came back to GL's head office in Hamburg where he got global responsibility for GL's technical assurance and advisory services for the Oil and Gas and Renewables industry. In his function as the Managing Director of Germanischer Lloyd Industrial Services GmbH he was also intensively involved in several M&A projects undertaken by GL since that time.

Following the merger with Noble Denton in 2009, Lutz took over the position as Executive Vice President of GL Noble Denton's Region Europe, with a responsibility for all Assurance and Technical Advisory Services for the Oil and Gas industry in that region.

MCE Deepwater Development 2013

Speaker Biographies



INGE A. ALME, VICE PRESIDENT / TECHNICAL DIRECTOR

LLOYD'S REGISTER

Inge Alme is Technical director in Scandpower, Lloyd's Register's risk management consultancy, and has a MSc degree in industrial economy and technology management from NTNU in Trondheim. Inge started his Scandpower career in 1998 and has experience from most of the services offered by Scandpower. His extensive experience spans risk analyses, safety management and safety related studies and he has also led audits and emergency preparedness analyses. He has carried out a large number of projects for international clients in several industry sectors including oil and gas, transportation, process industry and power generation. Between 2002-2006 Inge was in charge of Scandpower's activities in Sweden and in 2010-2011 he became president of Scandpower Inc in the US.



TERJE BAUSTAD, PRODUCT MANAGER

ROXAR FLOW MEASUREMENT

Terje Baustad is the Product Manager for Emerson Process Management, Roxar. He has been active in the petroleum service industry for more than 30 years with extensive commercial and field development experience. During his career he has worked in various locations and projects across the world including Norway, UK, Holland, Egypt, Indonesia and France. Extensive experience in Well Testing, open and cased hole logging as well as Manager for design, building and commissioning of a 50 000 bbl/day process plant including water and gas injection and power generation as well as export to tanker on an offshore installation. He has been a key player in downhole electronic instrumentation applications since the very first installations was deployed. His experience stems from Schlumberger, Weatherford, READ Well Services and current employer, Roxar. Terje has a background from mechanical Engineering.



MICHAEL BELL, TECHNOLOGY MANAGER SUBSEA

HEEREMA MARINE CONTRACTORS

Mike joined HMC in 2010 as Engineering Manager for EPCI projects and is currently working as Technology Manager Subsea. In this role Mike is responsible for engineering across the various subsea construction projects executed by HMC and responsible for developing HMC's Subsea engineering capabilities. Previously Mike worked as engineering manager at Technip and at Subsea7, in project management and line management roles, in the field of Deepwater Subsea Pipeline and Riser Installation and Design. Work experience includes management of R&D projects and teams, involving areas such as novel deepwater Pipe-in-Pipe solutions, reeling technology and reeled Steel Catenary Risers. Mike graduated from the Technical University Delft, in The Netherlands, with a thesis on probabilistic fatigue analysis of offshore structures. Started work as structural engineer offshore platform design before moving into the field of subsea engineering.



GAURAV BHATNAGAR, RESEARCH ENGINEER – FLOW ASSURANCE

SHELL

Gaurav Bhatnagar obtained his Bachelors and Masters degrees in Chemical Engineering from the Indian Institute of Technology (Delhi) in 2003. He received his PhD in Chemical Engineering from Rice University (Houston) in 2008 on modeling gas hydrate accumulation in marine sediments. Since then, he has worked with the deepwater team at Shell (Houston) on various R&D as well as operational/design projects involving gas hydrates, flow assurance and hydrate-related geohazards. His research interests include thermodynamics and kinetics of gas hydrates, fluid flow through porous media, hydrates in shallow reservoirs and flow assurance.



PIERRE-JEAN BIBET, ROTATING EQUIPMENT ENGINEER

TOTAL E&P FRANCE

Pierre-Jean is a senior rotating equipment Engineer at Total E&P in Paris, France, who has been working in the Rotating Machinery Department of the Technology Division since 2003. His work concentrates on subsea boosting projects, following 17 years of professional experience with pumps, and he has specific expertise in Multiphase Pumps (MPP).

Pierre-Jean graduated as a Mechanical Engineer from ESEM (Ecole Supérieure de l'Énergie et des Matériaux), France in 1986.



DR. MATTHIAS BICHSEL, PROJECTS & TECHNOLOGY DIRECTOR

SHELL

Since 1 July 2009, Matthias Bichsel is a Member of the Executive Committee of Royal Dutch Shell plc and Projects and Technology Director. In addition, he has country responsibilities for Australia, New Zealand, Oceania, India, Pakistan. This role combines representing Shell regionally with Governments and other stakeholders with overseeing capital project delivery globally. As Projects and Technology Director, Matthias is responsible for the delivery of Shell's capital projects. He is also responsible for contracting & procurement activities, as well as Upstream and Downstream technology development & deployment in Shell. In addition, he has oversight of Shell's safety, environmental and social performance. His country responsibilities include representing Shell's interest with Governments and other stakeholders. He was born in 1954 in Switzerland and joined Shell in 1980 after obtaining a Doctorate in Geology from the University of Basel, Switzerland. Matthias Bichsel has worked for Shell companies and affiliates in Bangladesh, Oman, Canada, Indonesia, the US and The Netherlands. In 1995, he became director of Petroleum Development Oman looking after exploration and deep oil field developments. In 1999, he transferred to Houston as managing director of Shell Deepwater Services involved in all aspects of Deepwater exploration and development on a global scale. From 2002 to 2006, he managed as Executive Vice President Shell's global Exploration. From 2006 until mid 2009, he was Executive Vice President -Technical for Shell Exploration and Production. He is a member of the American Association of Petroleum Geologists and the Society of Petroleum Engineers, where he is Member of the Industry Advisory Council. In 2011, he was appointed an Honorary Professor at the Chinese University of Petroleum, Beijing.



JORN BOESTEN, SEGMENT MANAGER OFFSHORE
DSM DYNEEMA

Graduated from Delft University of Technology in Mechanical Engineering in 1996 (Master)
Started working as a process and start up engineer for DSM Stamicarbon (chemical plant start ups), in USA, Taiwan and Colombia
Moved to the business development side at DSM Venturing & Business development in 2000, leading several projects on new materials
With DSM Dyneema since 2005 supporting customers in business development in industrial and offshore applications, with a track record of successfully developing new business.

At this moment leading the global business of Dyneema® in offshore applications (moorings, installation lines, winch lines, lifting slings).



DAG BURGOS, VP BUSINESS DEVELOPMENT
EMAS AMC

Dag Burgos has a MSc in Civil Engineering from NTNU in Trondheim, Norway. He has 20 years of experience from engineering and offshore construction. Management positions include management of the engineering department at Master Marine and Rigid Pipeline Manager at Technip Norway. Currently working in the Commercial Department at EMAS AMC.



GREG CAMPBELL-SMITH, SALES AND DEVELOPMENT MANAGER
FIRST SUBSEA

Greg Campbell-Smith is Sales and Development Manager at subsea connection systems specialist, First Subsea in Lancaster, UK. He is a Chartered Engineer, and Member of the Institute of Mechanical Engineers (IMechE). Mr Campbell-Smith has over 27 years engineering experience in design, manufacturing and management roles. In addition to oil and gas subsea connection and intervention systems, and land drilling and casing tools, he has held senior posts in companies involved in advanced polymer systems, and automotive and aerospace manufacture.



THOMAS CURRAN, CFA, SENIOR ANALYST
WELLS FARGO

Thomas Curran, CFA is a Senior Analyst at Wells Fargo Securities on the Oilfield Services & Drilling team, where he covers Equipment & Infrastructure and the Land Rig Contractors. He has more than ten years of experience in equity research and has been quoted in numerous financial and trade press media, including The Wall Street Journal, Investor's Business Daily, Forbes, and Platts. Prior to assuming senior coverage responsibilities in November 2007, he served as an associate for nearly five years, first at Blaylock & Partners, LP and then at Wells Fargo, from 2004 through his promotion. Tom began his sell-side career in mid-2000 at Citigroup (SalomonSmithBarney) in the Latin America equity research division, where he served as a research assistant on both the Conglomerates and Power and Energy teams. Tom has held the CFA designation since 2004 and is a member of the CFA Institute and NYSSA. He received a BA from the University of Pittsburgh in anthropology and English.



SIMON DAVIES, PROJECT LEADER - SUBSEA TECHNOLOGY & MARINE OPERATIONS
STATOIL

Simon Davies has a degree in Chemical Engineering from Heriot-Watt University. His career has spanned research & development, technology & intellectual property management, and business & technology strategy work. Simon has worked in the fields of production separation systems, water management, gas processing, and subsea production & processing. Simon was the engineering director involved in establishing Orkney Water Test Centre on Flotta. Since moving to Norway in 1993, Simon has held various management and advisory positions in Kvaerner, Aker Kvaerner, Norsk Hydro, Norske Shell and currently Statoil, where he works as a Technology Project Manager in the Technology Excellence organisation.



DR. SIMON R. DAVIES, FLOW ASSURANCE ENGINEER
BP

Dr Simon Davies is the Flow Assurance Single Point of Accountability (SPA) for the BP Azerbaijan Georgia Turkey (AGT) region. Simon is a Chartered Chemical Engineer with 5 years of experience working for three major international operating companies in the UK, US, Norway and Azerbaijan. He obtained a PhD on Natural Gas Hydrates in 2009 from the Colorado School of Mines. During his career, Simon has authored eight papers on hydrate formation & dissociation in major international journals and has also presented at a variety of international conferences including OTC and SPE ATCE.



MARTIJN DEKKER, DEVELOPMENT MANAGER STONES PROJECT
SHELL

Martijn Dekker is the development manager for the ultra deepwater Gulf of Mexico Stones field at Shell's Upstream Americas business. He has been active in the offshore and deepwater industry for more than 15 years and is an established oil and gas business leader with extensive commercial and field development experience. During his career he has worked in various locations and project across the world including the UK, Philippines, Brazil and the US including the mega projects Malampaya and Perdido. Martijn holds a chemical engineering degree from Eindhoven University of Technology and a Business and Management degree from Aberdeen University.

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EMMANUEL FONTAN, VP Technip Heerema Alliance

TECHNIP

Emmanuel Fontan has been appointed VP Technip Heerema Alliance since January 1st, 2013 and as such is responsible for contributing to the success of the Alliance worldwide. His previous position with Technip was COO Subsea Region A responsible for SURF business acquisition and project execution in Africa and India. Emmanuel holds a mechanical engineering degree (Ecole des Arts et Métiers) and a master degree in Refining & Petrochemicals (French Institute of Petroleum).



SIMON GASSMANN, DEVELOPMENT ENGINEER SUBSEA PUMPS

SULZER PUMPS

Simon Gassmann started his career with Sulzer Pumps Ltd in 2008 as a Development Engineer where he is part of the "Subsea Pumps" team of the Product Development Unit in Winterthur, Switzerland. His focus during the 4 years professional experience has been on Subsea Multiphase Pumps (MPP), component qualification testing, risk analysis (FMECA, API 17N) and tender support. Simon graduated as a Master of Science in Mechanical Engineering at the Swiss Federal Institute of Technology in Zurich in 2008.



ARNO L.M. VAN DEN HAAK, MARS B WELL DELIVERY PROJECT MANAGER

SHELL

Arno van den Haak is a graduate from Eindhoven University of Technology – the Netherlands. In his 22 years with Shell he has held various assignments in Europe, the Middle East and the Americas. The assignments have covered responsibilities varying from operations, project engineering, field development, R&D and most recently the responsibility for the delivery of the combined wells scope for the Mars-B/Olympus project.



BRAD HANDLER, MANAGING DIRECTOR RESEARCH ANALYST – OILFIELD SERVICES & DRILLING

JEFFERIES

Brad Handler, a Managing Director at Jefferies & Co., has research responsibility for U.S. Oilfield Services and Drilling. He joined Jefferies in 2012 following four years at Credit Suisse and 12 years total experience in equity research. Recent honors include #3 rankings in the Institutional Investor and Forbes Best Brokerage Analysts polls.

Brad's professional experience prior to sell-side equity research includes management roles at BOC Gases, an industrial gases company, and in commercial lending.

Brad is a graduate of Johns Hopkins University and has an MBA from Northwestern University's J.L. Kellogg School of Management.



TERENCE HAZEL, SENIOR ELECTRICAL ENGINEER

SCHNEIDER ELECTRIC

Terence Hazel graduated from the University of Manitoba Canada with a BSCE in 1970. He worked for one year as a power coordination engineer in Perth Australia and for several years in Frankfurt Germany as a consulting engineer for construction and renovation of industrial power distribution systems. Since 1980 he has worked for Schneider Electric (formerly Merlin Gerin) in Grenoble France in their projects group where he has provided team leadership for several major international projects involving process control and power distribution.

His main interests are in power quality and the reliability of electrical distribution systems. Mr. Hazel is a senior member of IEEE and is Honorary Technical

Advisor to the Petroleum and Chemical Industry Committee Europe. He has co-authored and presented several papers and tutorials at international technical conferences.



EDWARD HEEREMA, PRESIDENT

ALLSEAS GROUP S.A.

Edward Heerema, born in 1947, has a Master's Degree in Civil Engineering from the Technical University of Delft, 1974. He was an engineer, and later manager of the R&D department, of Heerema Engineering Service B.V., and in 1978 General Manager. After his father's death in 1981, he was President of Heerema Holding Company until 1984.

He founded Allseas in 1985, and is responsible for the daily management of the Allseas Group.



PAUL HILLEGEIST, PRESIDENT, COO & CO-FOUNDER

QUEST OFFSHORE

Paul Hillegeist is a 1988 graduate from The University of Texas at Austin with a Bachelors of Arts Degree in Economics.

Paul is President, Chief Operating Officer and Co-Founder of Quest Offshore Resources, Inc. headquartered in Houston (Sugar Land) and incorporated in Texas in 1999. Quest Offshore is a boutique strategic advisory and consulting firm to the oil & gas industry worldwide focused primarily on deepwater-specific technology-led solutions for oil & gas exploration and development activities. Quest, an industry leader in Strategic Market Intelligence, provides Market Expertise, Strategic Analysis, Marketing Communication and Consultancy Services.

Paul has over 22 years of oil & gas industry experience including 13 years as President of Quest Offshore where he has led the company to serve over 250 global clients including the world's leading Fortune 50(1) Companies including Royal Dutch Shell, ExxonMobil, GE Oil & Gas, Total, Schlumberger and Statoil. Paul served at Global Industries (now Technip) for over four years as Manager Corporate Development & Corporate Support, supporting the CEO, Executive Management and the Board of Directors. Paul was introduced full-time to the offshore industry when he joined Houston-based Offshore Data Services (now IHS-Petrodata) climbing the ranks to the position of Editor/Sr. Market Analyst.

Paul actively leads Quest's Research and Data Division, the firm's global Business Development activities and their growing Consulting Practice which advises major integrated oil companies (IOC's), oilfield service companies, industrial conglomerates in addition to leading private equity and financial firms.

In 2012 Paul co-authored the SUBSEA BLUEBOOK "Subsea Acceleration, Fathoming New Technologies" with sell side firm CLSA and spent over three months on a North American and Western European road-show-tour engaging with and providing expert advise to the buy side energy market including leading global hedge funds, institutional and private equity investors.

Paul was hired by a Super-PAC in 2012 to actively engage and advise U.S. Presidential Candidates on North American energy policy and offshore oil & gas industry issues during the Republican primaries particularly following Super Tuesday.

Mr. Hillegeist regularly serves as an invited speaker at various oil & gas industry events and has testified both as an expert witness in addition to engaging with senior U.S. Government officials and major industry Lobbyist's on regulatory, energy and related economic issues.



OLA JEMTLAND, MANAGER POWER SYSTEMS, PROCESS CONTROL & INSTRUMENTATION - SUBSEA PROCESS SYSTEMS
FMC TECHNOLOGIES

Ola Jemtland is employed by FMC Technologies since year 2000 and hold a position as Manager Power Systems, Process Control and Instrumentation within subsea oil and gas / subsea processing, with focus on subsea separation, boosting and gas compression. He has 25 years engineering and management experience within the oil and gas sector, and has previous experience from topside offshore development projects.



JAN PIETER KLAVER, CHIEF EXECUTIVE OFFICER
HEEREMA MARINE CONTRACTORS

Jan Pieter has a well-rounded background and experience in Project Management, Operations and General Management. After graduating the Delft University of Technology, Jan-Pieter Klaver started his career at Heerema Marine Contractors in the projects department. He worked in a number of different divisions throughout the Heerema Group, in the Netherlands as well as in Norway. Jan-Pieter has been Managing Director for Heerema Vlissingen B.V., one of the subsidiaries of Heerema Fabrication Group. In 2003 he was appointed Chief Operational Officer in the holding of the Fabrication Group and became Chief Executive Officer for the same Holding in January 2005.

Since June 2009 Jan Pieter is back at Heerema Marine Contractors, first in the function as Chief Operational Officer and as of November 2009 as Chief Executive Officer.



GUIDO KUIPER, OFFSHORE STRUCTURES ENGINEER
SHELL

Guido Kuiper received his M.Sc. and PhD in civil engineering from Delft University of Technology. He joined Shell in 2007 and his first job was to develop the water intake riser concept for Floating LNG. Thereafter he lead the global analysis work for the Ormen Lange TLP compression option. Currently, he is the responsible engineer for the water intake riser bundle for Prelude FLNG. Besides, he is part of the global Arctic group in Shell, focusing on fixed and floating offshore structures in the Arctic.



MOHAN KULKARNI, SENIOR RESEARCH ENGINEER
EXXONMOBIL

Dr. Mohan Kulkarni received his PhD in Aerospace Engineering with a focus on computational mechanics from University of Illinois at Urbana Champaign in 2009. Prior to that, he received his Masters from Indian Institute of Science, Bangalore in 2005. During his graduate studies, he developed a multi-scale cohesive modeling method to understand failure in heterogeneous materials. His other areas of expertise include non-linear finite element methods, material modeling, fracture mechanics and distributed optical sensors. Following his graduation in 2009, he joined ExxonMobil Upstream Research Company as a Senior Research Engineer and has worked on several pipeline related areas since then.



ERWIN LAMMERTINK, SENIOR VICE PRESIDENT COMMERCIAL
CEONA

Erwin joined CEONA in May 2010 and is Senior Vice President Commercial. CEONA is a Marine Contractor with two Deepwater Construction Vessels backed by GoldmanSachs CP. The vessels are capable of installing umbilical's, flexible's or rigid flowlines with a tension up to 550 mt and subsea lowering of up to 500 tonnes in 2500 meters of water.

At CEONA, Erwin is responsible for all commercial activities from initial prospects identification up to contract signing.

Prior to CEONA Erwin worked 20 years at Heerema Marine Contractors, of which 12 years in the Commercial Department. During that period he has been responsible for South America, Gulf of Mexico, Europe, Russia and the Med and lived in both Houston, TX and Oslo Norway.

Erwin obtained a Master degree in Civil engineering from the Delft University of Technology in the Netherlands. He completed the Programme for Mobilizing People at IMD, Switzerland and Finance for Executives at INSEAD, France.



DR. YILE LI, RESEARCH ENGINEER
SHELL

Yile Li obtained his Ph.D. in Fluid Mechanics from Massachusetts Institute of Technology (MIT) and joined Shell in 2006. Over the past 6 years, he has been working as a Research Engineer in the Shell Deepwater R&D program focusing on novel concept development of floating structures, mooring and offloading systems.



FRANÇOIS LIROLA, PROJECT ENGINEER
SAIPEM

François LIROLA has a master of science in hydrodynamics and mechanical engineering. He has been working for 3 years in the Innovation and Technology Development department at SAIPEM and is currently in charge of SURF developments.

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ANTOINE LUCAS, LEAD MECHANICAL ENGINEER – CLOV PROJECT

TOTAL E&P ANGOLA

Antoine Lucas graduated as radiant transfer physics and combustion engineer from the Ecole Centrale de Paris (ECP). He worked for SNECMA where he was working on the methodology for thrust nozzle vectoring calculation. Then he joined PSA for 2 years where he was involved on the combustion diagnosis for a four cylinder gasoline engine. He joined Total in 2005 at Rotating Machines Department and followed Yemen LNG Project from the engineering to the startup. In 2010, he was appointed lead mechanical engineer for the Angolan Project, CLOV.



HENRIK STEIN MADSEN, VICE PRESIDENT & HEAD OF SUBSEA

SIEMENS

H. S. Madsen has been part of the Siemens Subsea organisation since 2010, and has held various positions in sales and marketing and is now holding the position as head of Subsea System, one of the lines of business in Siemens Subsea. This organisation is responsible, amongst others, for the development of the Siemens Subsea Power Grid.

H. S. Madsen has more than 10 years of experience in the subsea industry and prior to working for Siemens he held various positions with Framo Engineering, a renown supplier of subsea pump systems. In this company H. S. Madsen worked with subsea installations, system integration tests for various projects, was responsible for development and deliveries of subsea control systems prior to working in sales and marketing.



MOHAMED MAHER, EPIC MANAGER – ASSISTANT PROJECT MANAGER

BURULLUS GAS COMPANY

Mohamed Maher is the Offshore Construction Manager for the WDDM (West Delta Deep Marine) deepwater Concession of Egypt field at Burullus's Upstream Egypt business. He has been active in the onshore, offshore and deepwater industry for more than 11 years and is an established oil and gas business leader with extensive technical, un-commercial, commercial and field development experience. During his career he has worked in various locations and projects including the mega projects with new technology which were first time to use at Middle East. Mohamed holds a mechanical engineering degree from Helwan University of Faculty of Engineering and working to get MBA from Edinburgh Business School, Heriot-Watt University.



JOHN MAIR, GLOBAL TECHNOLOGY DIRECTOR

SUBSEA 7

John has 34 years in the Subsea sector. He studied Mechanical Engineering at Robert Gordon's Institute in Aberdeen. He started his career at Subsea Offshore in 1979 specialising in Remote Technology. Prior to joining Subsea 7 he held the position of Global Engineering Director for Subsea Offshore in 1994 and after the merger with Acergy in 2010 John became the Global Technology Director of Subsea 7.

John is a Fellow and Chartered Engineer with the Institution of Mechanical Engineers, a Board Member and Director of Subsea UK, Board Member and Chairman of Industry steering Group with National Subsea Research Institute (NSRI).

John has been awarded the Contribution to Industry Award at Subsea 2007.



MICHEL MASSON, CTO

FRANATECH

Michel Masson is the founder and CTO of Franatech. Prior to that he was an expert with the French Navy for non-conventional underwater detection, group manager specialist for development of underwater gas detection system at the German national research center GKSS, founder and CEO of Capsum Technologies GmbH. He has more than 20 years experience in research and development of underwater monitoring and detection systems, supported by numerous campaigns at sea, scientific publications and patents. Michel holds a PhD in Marine Science from University of Paris, France.



MICHAEL MANCUSO, DIRECTOR OF MARKETING - SUBSEA SYSTEMS DIVISION

CAMERON

Michael Mancuso is currently the Director of Marketing for Cameron International in the Subsea Systems division. He leads the subsea focused R&D activities at Cameron. Prior to his current role, Michael served in several positions within Cameron including engineering for many subsea projects, management in finance and product management in both corporate and Valves & Measurement divisions, respectively. He holds a Bachelor of Science in Mechanical Engineering from the University of Notre Dame and a MBA from the C. T. Bauer School of Business at the University of Houston.



HARKE-JAN MEEK, VP SURF BUSINESS DEVELOPMENT

HEEREMA MARINE CONTRACTORS

Harke is VP SURF Business Development and in that role also the Heerema coordinator for the Heerema/Technip SURF deepwater Alliance. Before joining Heerema in April 2012, he worked for SBM Offshore in Monaco & Jakarta and for Shell in The Hague & Houston. Harke holds a MSc degree in Offshore Engineering from Delft University of Technology and a MBA from the University of Texas at Austin.



STEINAR MIDTTVEIT, LEADING ADVISOR SUBSEA ELECTRICAL TECHNOLOGY

STATOIL

Steinar Midttveit graduated with a M. Sc. degree in Electrical Power Engineering from the Norwegian University of Technology in 1985. He joined Bergenshalvøens Kommunale Kraftselskap, BKK in 1986 where he had a position within power system network planning and analyses. He started his career within subsea electrical power when he took a position at Framo Engineering in 1992. In Framo he worked as a lead engineer within electrical power supply systems for subsea pumping applications, the last period as manager for the Electrical department. Since 2009 he is Leading Advisor Subsea Electrical Technology, in Statoil.



PASCAL MONTOULIVES, SUBSEA PROCESSING LEAD (SHELL NORWAY)

SHELL

Currently Shell Norway subsea processing team lead in the Project and Technology organization. Leading the team responsible to deploy the latest subsea technologies including multiphase subsea pumping, high voltage electrical (e.g. Direct Electrically Heated flowlines) and subsea compression in existing projects

Subsea delivery lead for Ormen Lange compression until mid this year.

Many years of "hands on" experience in subsea deepwater as the brownfield project team lead for Shell in the Gulf of Mexico

In the further past, occupied different positions in projects from onshore Netherlands, through offshore North Sea and Alaska to Gulf of Mexico deepwater. Started in the industry about 15 years ago as a process engineer. Worked for Shell for the past 12 years. French, graduated from the School of Mines of Nancy.



DAVID MOODIE, LEAD RESEARCH ENGINEER

FMC TECHNOLOGIES

David joined FMC Technologies in 2008 as Lead Research Engineer with the Optoelectronics group based in Glasgow, Scotland. He was previously with OptoSci Ltd where he was responsible for design and development for all instrumentation covering applications such as optical fiber communications, gas detection technology and distributed optical fibre sensing. He has a degree in Electronics and holds a PhD from Strathclyde University on the development to novel components for optical fibre communication and sensing applications.



HENRIK MORK, VICE PRESIDENT, PROJECT EXECUTION

EMAS AMC

Henrik Mork has more than 25 years of experience from offshore industry. He is educated from Norwegian Institute of Technology (NTH), Division of Marine Structures and has a varied engineering background from Aker covering both fixed and floating platforms and offshore experience. In the recent 10 years he has held various project and tender managerial positions, including Project Manager for floater installation and removal projects. He is currently Vice President of Project Execution and is responsible for projects run out of EMAS AMC Norway.



THANOS MOROS, ENGINEERING MANAGER - BP GPO ANGOLA DEVELOPMENTS

BP

Thanos is the Engineering Manager for BP's projects in Angola. He is a Chartered Mechanical Engineer and a Fellow of IMechE (Institute of Mechanical Engineers) and member of ASME. He has extensive expertise in the areas of Subsea Floating and riser systems, Fluid Transport, and Safety Engineering. His previous assignment was Subsea Engineering Manager for BP's West Africa projects, and has worked in Europe, Africa and Gulf of Mexico in a number of Deep water projects.

Over the years he has worked on many aspects of Facilities Engineering working both on Technology and projects. He has been involved in the coordination of various Industry forums and JIPs both in Europe and US and he has published over 35 technical papers in journals and conferences. He read Engineering and holds a PhD in Engineering from the University of Cambridge, UK.



GENEVIÈVE MOUILLERAT, PROJECT DIRECTOR

TOTAL

Geneviève Mouillerat was INSA graduated in Mechanical Engineering; she began her career with Technip then joined Total in 1982. In 31 years in the company, she has been involved in international projects in the North Sea, Thailand or also Qatar. She has gained an overall vision in E&P as Head of Cost Estimating Department. Since 2002, she was Manager for Dalia FPSO and has pursued challenges in Angola with CLOV, as Project Director.



EDWARD C. MUZTAFAGO, VICE PRESIDENT - EQUITY RESEARCH

SOCIÉTÉ GÉNÉRALE

Edward C. Muztafago is as a Vice President in investment research at Société Générale following the oilfield services and equipment sector. Prior to joining SG in September 2010, Ed worked at Citi Investment Research following the oilfield services and equipment sector since late 2006, and most recently as a small/mid-cap analyst. He also worked for the energy investment boutique Pritchard Capital Partners from early 2005 to late 2006 following the EP and independent refining sectors. Ed completed his graduate and undergraduate studies at Seton Hall University's William Paul Stillman Business School where he received an MBA in Finance, an MS in International Business, and a BS in Economics (Cum Laude).



MARC NIKLES, CEO

OMNISENS

Marc Nikles obtained the Ph.D. degree in Technical Sciences from the Swiss Federal Institute of Technology in Lausanne (EPFL) in 1997, for his research activities in fiber optic sensing and applications to distributed strain and temperature monitoring. Between 1997 and 2000 he was program manager for at Meggit-VibroMeter. In 2000 he was the co-founder of the company Omnisens SA, which develops, manufactures and markets long range fiber optic distributed strain and temperature monitoring solutions for the Oil & Gas and Energy industry sectors. To-date he has occupied CTO and Managing Director positions at Omnisens. He is the author and co-author of more than 60 scientific publications and conference papers.

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PER-ARNE NILSEN, HEAD OF SUBSEA DEPARTMENT

TOTAL

Per-Arne Nilsen has more than 25 years experience working with offshore developments, mostly with subsea production systems including pipelines and riser systems. He has worked for Norsk Hydro (now STATOIL) on large subsea developments in the North Sea, in various roles spanning from asset management, project management and technology development. He has worked with TOTAL on large West Africa projects in Project Management roles, he has worked as a Project Director for a major supply company in Asia Pacific and he has worked in Australia as a Subsea Delivery Manager for Woodside Energy. He joined TOTAL in 2009, first as the responsible for R&D technology programs for subsea, and is since 2010 Head of the Subsea

Technology Department in TOTAL S.A. in France.



TRULS NORMANN, FIRST CHIEF ENGINEER SUBSEA POWER & MANAGER OF SUBSEA HV POWER PRODUCTS & TECHNOLOGY DEPARTMENT

AKER SOLUTIONS

Truls Normann holds an MSc in Electrical Power Engineering combined with Industrial Economics and Technology Management, from NTNU (Norwegian University of Science and Technology), 1999. He specialized within subsea long distance power distribution for deep waters as part of his thesis. He has almost 15 years of relevant experience mainly within the Subsea division of Aker Solutions, and has focused on development of power umbilicals, flowline electrical heating and power components and systems for subsea compression and pumping. This includes responsibility for development of Subsea VSDs, transformers and circuit breakers in the Ormen Lange subsea Compression Pilot project, as well as managing the ongoing

HV power system deliveries for the Åsgard Subsea Compression Project. He currently holds the position as First Chief Engineer and head of the Subsea High Voltage Power Products and Technology department.



KNUT NYBORG, VICE PRESIDENT SUBSEA POWER & PROCESSING SYSTEMS

AKER SOLUTIONS

MSc, Mechanical from NTNU with more than 20 years experience in the international upstream Oil & Gas business through central positions in technology and concept development, business management with P&L responsibility, projects, tendering and sales. Tender Manager for the Åsgard Subsea Compression Project. Currently hold the position as VP for Aker Solutions Subsea Power & Processing Systems product area.



ROBBY O'SULLIVAN, SUBSEA REGIONAL TECHNOLOGY OFFICER, ASIA PACIFIC

TECHNIP

Robby O'Sullivan has a Bachelor of Engineering and a Master of Engineering Science Degree in Ocean Engineering from University College Cork, Ireland and has been in the oil and gas industry since 1986. He started his career as a software designer/analyst with MCS International in Ireland where he spent 3 years contributing to the development of their core riser analysis programs and the provision of riser analysis services to the industry.

Following this, he spent 7 years with various Kvaerner companies involved in jacket and subsea structure design and analysis. He was involved in concept and detailed design and integrity management of numerous fixed and compliant subsea structures in the North Sea, Australia and Gulf of

Mexico. Robby joined Technip (then known as Coflexip Stena Offshore Asia Pacific) in 1995 as a Flexible Pipe Design Engineer and has been employed by them since. During various periods in Australia and France, he has held numerous roles including Flexible Pipe Design Discipline Team Leader, Global Technical Assistance Manager, Project Engineering Manager, Project Manager and Vice President of Subsea Technologies. In 2013, he was appointed Regional Technology Officer for Asia Pacific where he is developing and implementing a strategy for execution of regional R&D activities and technology promotion.



ARNE B. OLSEN, SALES MANAGER PUMPS & SUBSEA PROCESS SYSTEMS – EASTERN HEMISPHERE

FRAMO ENGINEERING

Arne Olsen graduated from the South Dakota School of Mines & Technology in 1983 as a mechanical engineer. Worked a year with Pusnes Marine & Offshore Services before joining Framo Engineering in 1985 as a subsea engineer.

Worked as Department Manager for the Subsea Department from 1994 to 2000 and thereafter joined the Sales Department today as Sales Manager Pumps & Subsea Process Systems Eastern Hemisphere.



MATHIAS OWE, PROJECT MANAGER ORMEN LANGE SUBSEA COMPRESSION PROJECT

SHELL

MO have 25 years international experience in the oil and gas business and have been Project Manager for large and complex Subsea EPC(I) development projects since 1998.

MO have led opportunities/projects through all its phases from Project Pre-qualification, Component Technology Qualification, Studies, FEED, Tender, Execution, Installation, Start-up and Service in Operation.

Present position: Norske Shell - Project Manager Ormen Lange Future Compression Project.

Including: Project Manager Ormen Lange Subsea Compression Qualification Project.

Previously worked for ABB Vetco Gray & GE Vetco Gray as Project Manager for the subsea projects: Chevron Gorgon in Australia, Statoil Snøhvit, ExxonMobil Balder and Ringhorne.



PATRICK PANDEALE, LEAD ELECTRICAL ENGINEER, CLOV PROJECT

TOTAL E&P ANGOLA

Patrick Pandeale graduated as an electrical engineer from Ecole nationale d'Ingénieurs Electriciens de Grenoble (ENSIEG). Before joining Total in 2007, he worked for eight years for Technip. He has been involved in several major international oil and gas projects both onshore and offshore. He is now acting as lead electrical engineer on the Total's first all-electrical FPSO with Variable Speed Drives System, the CLOV Project.



**VIBOR PARAVIC, DIRECTOR OF ENGINEERING
CEONA**

Vibor received a Masters in Mechanical Engineering from the University of Houston. He started his engineering career in Houston designing artificial joints, later transitioning to subsea detailed design with FMC particularly on ultra-deep water projects. Following FMC he worked for Saipem in the role of offshore contractor. Most recently he has joined the management team at CEONA Offshore. Vibor has worked in the GoM, North Sea, Mediterranean, Far East and West Africa.



**ROBERT PATTERSON, VICE PRESIDENT DEEPWATER PROJECTS
SHELL**

Robert Patterson is Vice President Deepwater Projects in Shell International Exploration and Production, Inc. He has enjoyed a 28-year career with Shell including assignments as VP Upstream for Shell Global Solutions, VP Corporate Support for EP Europe, Development Manager for Norske Shell and several technology, project, and management roles linked to deepwater development. Prior to joining Shell, Robert earned BS, MS and PhD degrees in Engineering Mechanics from the University of Florida.



**ONNO PETERS, SPECIALIST MARINE ENGINEER
DOCKWISE**

I graduated at Delft University of Technology as Naval Architect in 1997. After almost 10 years at GustoMSC, I started in 2006 at Dockwise. During my career, I specialized in the field of offshore hydrodynamics. Next to daily work, I am a PhD candidate at the Delft University of Technology; topic is the development of new and improved calculation methods, procedures and equipment for the Offshore Discharge and Loading operations carried out by Dockwise Heavy Transport Vessels.



**CYRIL PIDOUX, OIL & GAS SALES MANAGER
NFM TECHNOLOGIES**

Cyril PIDOUX is graduated in Material Science engineering from Institut National Polytechnique de Loraine and is 34 years old, married with 2 children. After having worked almost 10 years as Project Manager and Sales Manager in Railway (rail welding equipment) and Airport (aircraft ground support equipment) industries he has joined NFM TECHNOLOGIES in 2011 as Oil & Gas Sales Manager. NFM TECHNOLOGIES (Lyon) designs and manufactures onshore and offshore load lifting and transfer solutions such as Riser Pull-in winches, mooring winches, pipe handling systems, etc.



**MICHELE PINELLI, ASSOCIATE PROFESSOR
UNIVERSITY OF FERRARA**

Associate Professor of Fluid Machinery Engineering, Faculty of Ferrara and former Assistant Professor of Energy Systems at the same Faculty (May 1999-May 2002). He holds the courses of Measurements and Testing of Machines and Fluid Dynamic Design of Turbomachinery. His research activity mainly focused on the development of techniques for the analysis of the operation of gas turbines, the design and CFD simulation of turbo-machinery, energy systems and fluid equipment, the production of energy from biomass, the study of innovative energy systems for distributed micro-cogeneration.



**LUC RIVIERE, PETROLEUM ENGINEER, R&D DEEP OFFSHORE
TOTAL SA**

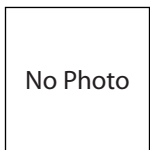
Luc RIVIERE is graduated from the Paris 'Ecole Supérieure d'Electricité' and from the Paris 'Ecole Nationale Supérieure des Pétroles et des Moteurs' (French Petroleum Institute). He began his career in Field Operations in Total working within different subsidiaries especially Gabon, the Netherlands, and Congo. In 1998, he was nominated Petroleum Engineer for offshore Congo (Nkossa, Moho-Bilondo), then for the Block 17 in Angola and finally for the Pazflor project. Since 2006, he is Petroleum Engineer in the R&D Deep Offshore project.



**SVEND ROCKE, CHIEF CONSULTING ENGINEER - SUBSEA POWER
GE OIL & GAS**

Svend Rocke is one of the seniors in the Subsea Electric Power Transmission and Distribution environment having worked in this field since 1985 in various positions and companies. He started his subsea career in ABB Cable & Umbilical, continuing in ABB Offshore System now part of General Electric Oil & Gas heading the subsea power department. Svend has over the last 10-15 years built up Subsea Power to a substantial unit and has had the responsibility for products like MECON wet and dry mate subsea electric connectors and other subsea products. He has over the years presented papers in several national and international conferences and exhibitions.

Svend is now the Chief Consulting Engineer Subsea Power within GE Oil & Gas having an overall technology responsibility for GE Oil & Gas Subsea Power effort.



**GERAINT ROWLANDS, PROJECT ENGINEERING AUTHORITY
BP SKARV PROJECT**

No Information Available.

MCE Deepwater Development 2013



STIAN SANDE, PROJECT DIRECTOR
SUBSEA 7

Stian Sande is currently employed as a Project Director with Subsea 7. During 2011 and 2012 he was the project director for the Skuld Marine Operations and Pipelay Project, comprising installation of a dual diameter clad pipeline with Direct Electrical Heating and in-line Tee's. After completing a Masters Degree in Mechanical Engineering, Offshore Construction Stian Sande joined Subsea 7 in 2002. He has over the last 10 years held various positions within engineering and project management.



GANDI R. SETYADI, SPECIALIST ENGINEER PROCESS & MULTIPHASE FLOW SIMULATION
FMC TECHNOLOGIES AS

Gandi R. Setyadi is the subject matter expert of the process dynamic simulation in FMC Technologies. He has more than 10 years experience in process design, optimization and debottlenecking of oil and gas production facility with extensive utilization of process and flow simulator tools. Gandi holds a master degree in chemical engineering from Bandung Institute of Technology, Indonesia, and is a PhD candidate in Multiphase Flow Transport program in Norwegian Technology and Science University (NTNU).



SIGMUND SEVATTAL, SALES MANAGER LATINA AMERICA & AFRICA
TCO

Sigmund Sevattal studied Petroleum engineering at NTNU in Norway and had one year as a exchange student at UNICAMP in Brazil . He graduated with a Master degree in Petroleum Engineering from in 2003. He has been working in the industry for 10 years. He started working as a reservoir engineer in ConocoPhillips working with production optimization on the Eldfisk and Ekofisk fields for 3 years. In 2006 he left ConocoPhillips to join TCO where he now holds the position as Sales Manager.



VIKRANT SHAH, SUBSEA ENGINEER
BP GOM OPERATIONS

Vikrant Shah started with Subsea during a Research Assistantship at Woodshole Oceanographic Institution working on Autonomous Underwater Vehicles (AUVs) for Arctic applications. After graduating he joined BP's Technology team in Houston where he worked on technology development for the Arctic environment looking at Leak Detection Technology and resident ROV / AUV systems to enable year round intervention. He was then seconded to Sonsub in Aberdeen where he worked on a challenging project in the Adriatic Sea involving a novel method for recovering abandoned flexible risers and umbilicals. In Aberdeen, Vikrant also worked with BP North Sea where he assisted with project management for the Foinaven Subsea Separation Project. For his next assignment, he returned to Houston and worked on Subsea Processing with the Deepwater Technology Flagship. He currently works with Thunderhorse Subsea Operations where he has been supporting the execution of a Leak Detection Field Trial. In his current role, he also supports the Integrity Management team with addressing anomalies discovered during annual inspections.



CELMA SILVA-ALEXANDRE, SUBSEA LEAD ENGINEER
TOTAL

Celma is a subsea engineer at Total E&P Angola, who has been working in the Pazflor Project since 2010. Her work concentrates on Subsea Separation and Production System including subsea boosting, following 3 years of professional experience with oil production department. Celma Silva graduated as Chemical Engineer from UAN FE (Universidade Agostinho Neto, Faculdade de Engenharia), Angola in 2006.



KEITH SMITH, ENTERPRISE CATEGORY MANAGER – OFFSHORE INSTALLATION
SHELL

Keith has been responsible for the design, fabrication, transportation, and installation of offshore facilities for 20+ years with Shell. He has been involved in the installation of most types of offshore platforms including deepwater spars, TLP's, semi-submersibles, FPSO's and shallow water fixed platforms and was most recently the Installation Lead for the world record Perdido spar. In 2010, Keith assumed the role of Shell's Global Category Manager for Offshore Installation. Keith has an M.S.-Structural Engineering degree from the University of Texas at Austin and a B.S.-Civil Engineering degree from Tulane University. He also holds a Master's Certificate in Project Management from George Washington University.



DR. STUART SMITH, VICE PRESIDENT OF ASSETS & TECHNOLOGY
SUBSEA 7

Stuart Smith joined Subsea 7 in 2002. He is currently Vice President of Technology and Asset Development . In this role he has been responsible for focusing the Technology Development programme into sophisticated pipe-line solutions including high performance pipe-in-pipe; electrical trace heating; higher strength steels; mechanically lined pipe; etc. On Asset development he has been responsible for the project creation aspects of a number of state-of-the-art ships including Seven Oceans rigid reel pipelay vessel, Seven Seas VLS and construction vessel, Seven Atlantic DSV, Normand Subsea ROVSV, Seven Waves PLSV, and current new-build DSV. He is currently working on a number of potential new vessels. Prior to joining Subsea 7 he held senior positions with Amerada Hess relating to the design, construction, installation and operation of several floating and subsea production systems. He has a BSc in Naval Architecture and a PhD from University of Glasgow.



EIRIK SØNNELAND, CHIEF EXECUTIVE OFFICER

BIOTA GUARD AS

Eirik Sønneland has an MSc degree in bioinformatics from University of Life Sciences in Norway. He's been working on developing a high throughput SNP (Single Nucleotide Polymorphism) detection pipeline at Centre for Integrative Genetics (CIGENE) in Norway in cooperation with the University of Oslo. In 1999 Eirik Sønneland was the expedition leader for the Norwegian Antarctic Expedition 1999-2001, conducting the first wintering over at the Norwegian research station "Troll". The expedition team of four participated in research and studies within team psychology and human medicine in cooperation with University of Texas Medical Branch and Norwegian University of Science and Technology. As a cooperation project between the Norwegian Polar Institute and University of Life Sciences in Norway, Sønneland designed and installed a filtering system for waste water handling at Troll base. Together with Rolf Bae, Sønneland concluded the stay in Antarctica by crossing the continent unsupported on skies using 105 days on 3800 kilometres from Queen Maud Land via the South Pole to McMurdo. In 2006 Sønneland was project manager for Procom Venture AS as working with the company's investments within petroleum and industrial biotech. Since 2009 Sønneland have been the CEO in Biota Guard AS, a subsidiary of International Research Institute of Stavanger (IRIS).



JULIEN TRIBOUT, GIRRI MPP TECHNICAL LEADER

TOTAL

Julien is currently technical Leader representing Total E&P Angola for the follow up of the GirRI MPP project held in FRAMO Engineering (Bergen, Norway). In the past Julien has had experience in subsea processing, flow assurance, and more generally on SPS projects. Julien graduated as Petroleum Engineer from IFP-School (Ecole Nationale Supérieure du Pétrole et des Moteurs) in 2006 and as Mechanical Engineer from ENIT (Ecole Nationale d'Ingénieurs de Tarbes) in 2005.



GOPIKRISHNAN VENUGOPAL, SENIOR PROJECT MANAGER - ENGINEERING & CONSTRUCTION DEPARTMENT

TOTAL

I have more than 23 years of working experience in the oil and gas industry mainly in the project management division. My experience includes offshore and onshore plant engineering, offshore installation & construction, commissioning and deepwater development for TOTAL Egina FPSO as the Topside Manager. I have been with TOTAL Group for the past 4 years and presently, I'm attached with TOTAL project métier in Paris. Prior to TOTAL, I have worked for Shell Group(Nigeria/Malaysia) for 16 years in various project capacity i.e. E11 Hub Project Manager(SSB) and as facilities engineer for Brown & Root Engineering (Malaysia/Thailand) for 3 years.



CLAUDIO VERGA, ASSISTANT RESEARCHER

UNIVERSITY OF FERRARA

He was graduated in Mechanical Engineering in March 2011 at University of Ferrara. From April 2011 to September of the same year he worked at Bellelli Engineering as Sales Engineer. From October 2011 he is working at University of Ferrara as Assistant Researcher, in collaboration with Bellelli Engineering. His research is mainly focus on computational fluid dynamics of multi-phase process fluids.



JAAP DE VRIES, PROJECT DIRECTOR PRELUDE FLNG

SHELL

Project Director Prelude FLNG project based in Paris, overseeing the overall project delivery of Wells, Subsea and FLNG and Onshore Base facilities since Sept 2009.

Jaap started with BosKalis Westminster Group as project engineer marine facilities in 1977 with assignments in Nigeria 1980 - 1983. Jaap joined Shell as designer marine facilities for Gas projects in the Hague in 1984. In the '80's worked as civil/projects engineer for LNG projects like Woodside, NLNG and MLNG, including short-term assignments in Gas projects construction teams. In 1990 he was appointed as project manager for the BLNG rejuvenation projects. After further civil /project management assignments for Shell JV Gas projects he joined the Shell projects group in 2002 as Projects Executive for LNG regas terminal projects, followed by an assignment to lead the Qatargas IV Gas project until EPC award for the LNG Plant in 2005. In 2006-2009 period he was the holder the Shell Global Gas projects portfolio manager position, which includes the assurance of Shell's major Gas (LNG and GTL) projects in its global portfolio both in front-end development and in construction stages.



DAVE WILKINSON, SENIOR SUBSEA SYSTEMS CONSULTANT

EXXONMOBIL

Dave joined ExxonMobil after completing a Materials Engineering degree at Monash University in Melbourne in 1980. During his 30+ year career with ExxonMobil, Dave has developed a wide range of expertise in areas including drilling, construction and major projects, as well as in subsea systems design, installation, start-up and operations.

Dave is also an active participant in the various ISO and API subcommittees related to subsea production systems.

Dave, together with his wife and 2 daughters, has lived in both the UK and USA during various assignments with ExxonMobil's Production and Development Companies, and is now resident back in Melbourne with his family.



XIAOLEI YIN, RESEARCH ENGINEER

EXXONMOBIL

Xiaolei Yin obtained his PhD degree in Mechanical Engineering from Northwestern University in 2009. During his graduate study, he did a variety of research work on design optimization, reliability-based and robust design, multi-scale modeling and mechanical system design. After his graduation, he joined ExxonMobil Upstream Research Company as a research engineer. His work mainly focuses on subsea leak detection and drilling riser analysis.

MCE Deepwater Development 2013

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ABS (CONFERENCE TECHNOLOGY SPONSOR & BOOTH 339)

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Since providing the first classification services to the offshore industry in 1958, ABS has remained at the forefront of setting offshore industry standards and technical guidance. ABS applies an unparalleled level of experience across the sector to assist owners, builders and operators in the realization of new generation offshore units and offshore support vessels. As the frontiers of offshore are extended into deeper waters and remote and harsh environments, ABS provides technical guidance and practical advice to assist clients in meeting many new technical and operational challenges.

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ADVANCED SEPARATION COMPANY (ASCOM) (BOOTH 323)

Advanced Separation Company (ASCOM) BV is a provider of own proprietary Hi-Performance 2- and 3- phase separation technologies and equipment for use in onshore, offshore and subsea applications. ASCOM engages from conceptual design to equipment deliveries, giving client customized high performance solutions.

The technology portfolio of ASCOM covers gas-liquid separation, liquid-liquid separation, produced water treatment, solids handling and gas treatment, based both on vessel internals as well as on compact inline technologies, such as the TWINLINE™ gas-liquid separator.

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ASCOM is working closely with the major independent and national oil & gas companies, as these recognize the value contributions of ASCOM to design and provide robust equipment and solutions with the potential of reducing overall CAPEX and OPEX.

ASCOM's main office is located in Arnhem, the Netherlands. Additional in-country value is being created through ASCOM's presence with own offices or with local partners in the Netherlands, Abu Dhabi (UAE), Brazil, China, Malaysia, South Korea and Oman.

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Airborne AIRBORNE COMPOSITE TUBULARS B.V. (DIAMOND SPONSOR & BOOTH 426)

Airborne Composite Tubulars B.V. develops, sells and manufactures the following continuous thermoplastic composite tubulars for the oil & gas industry:

- Service Intervention Lines (SIL) for well intervention and downlines
- Composite Coiled Tubing (CCT)
- Thermoplastic Composite Riser (TCR)

Airborne Composite Tubulars is located in Ypenburg, The Netherlands and IJmuiden, The Netherlands, with direct sea access.

Airborne is able to deliver its tubulars, fully tested, directly on operational reels, avoiding transpooling activities.

The continuous thermoplastic tubulars developed by Airborne have the following advantages:

- The wall of the pipe is fully bonded and solid. The pipe therefore does not have an annulus with all its related complex failure modes.
- The pipe does not suffer from Rapid Gas Decompression or Cover Blow-off.
- The pipe has the highest burst, collapse and tensile strength capabilities.
- The pipe structure includes only fibres and a ductile, thermoplastic matrix. No brittle epoxies are used. This results in a spoolable, tough pipe system with unrivalled impact resistance and residual strength.
- The pipe has a very smooth bore.
- The pipe is capable of handling vacuum during pipeline flooding and other pre-commissioning operations in very deep water and under extreme conditions.

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AKER SOLUTIONS (BOOTH 431)

Aker Solutions provides oilfield products, systems and services for customers in the oil and gas industry world-wide. The company's knowledge and technologies span from reservoir to production and through the life of a field.

Aker Solutions brings together engineering and technologies for oil and gas drilling, field development and production. The company employs approximately 25 000 people in more than 30 countries. They apply the knowledge and create and use technologies that deliver their customers' solutions.

Aker Solutions ASA is the parent company in the group, which consists of a number of separate legal entities. Aker Solutions is used as the common brand and trademark for most of these entities. In 2011 Aker Solutions had aggregated annual revenues of approximately NOK 36.5 billion. The company is listed on the Oslo Stock Exchange.

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ALLSEAS GROUP S.A. (ASSOCIATE SPONSOR)

Dynamism, inventiveness, rapid progress and a no-nonsense attitude are the hallmark of the Allseas Group. Founded in 1985 and headed by Edward Heerema, Allseas is a global leader in offshore pipeline installation and subsea construction, operating a versatile fleet of specialised pipelay and support vessels, designed and developed in-house. We provide worldwide support to clients from the conceptual design stage to engineering, procurement, installation and commissioning. The corporate head office is located in Switzerland, the engineering and project management office is located in Delft, the Netherlands. Allseas operates worldwide with the dynamically positioned pipelay vessels Solitaire, Audacia and Lorelay, the shallow water pipelay vessel Tog Mor and the dynamically positioned support and subsea installation vessel Calamity Jane. In June 2010, Allseas awarded the contract for building its 382 m long, 117 m wide dynamically positioned platform installation / decommissioning and pipelay vessel Pieter Schelte to the South Korean shipyard Daewoo. Delivery of the completed single-lift and pipelay vessel is expected at the end of 2013, ready for offshore operations in early 2014.

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BARDEX CORPORATION (BOOTH 241)

Bardex Corporation has operated in the offshore oil/gas and shipyard industries almost 50 years, providing heavy load handling and positioning solutions for customers around the world. We invented and developed Linear Chain Jacks for mooring tensioning of Spar buoys, Semi-submersibles & FPSOs and for pipeline and (SCR) riser pull-in systems. We invented and developed the BarLatch™ Fairlead Stopper to minimise inter-link chain wear and out-of-plane/in-plane bending on the top chain of permanently moored production vessels and we invented and developed the hydraulic Gripper Jack for skidding drilling rigs, vessels, jackets and other structures. Additionally we design/supply BOP Handling systems and HPUs.

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BEL VALVES (BOOTH 240)

BEL Valves Ltd are leaders in the design and manufacture of valves, actuators and controls for the Oil and Gas industry, with a focus on high pressure and high integrity applications. Bespoke products meet exacting practices, stringent fugitive emissions criteria and all main industry codes and standards - in bore sizes from ½" to 42", pressures up to 16,500psi, water depths to 3000 metres and in a range of materials for sweet or sour service - suitable for high pressures and high temperatures. Configurations include on-off, surface and subsea, through conduit slab and expanding gate, high-integrity ball valves, needle, check, globe and a range of small bore valves. In addition, BEL Valves offers valve solutions for HIPPS (High Integrity Pressure Protection System) applications. An integrated production facility, more than 50 years experience in valve engineering and manufacturing, open contracting policies and superior management tools have all enabled the delivery of product-engineering solutions (with full 3rd party approvals) for major projects worldwide, with operators like Shell, BP, Total, AGIP, Chevron and Exxon Mobil.

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BLUEWATER ENERGY SERVICES (ASSOCIATE SPONSOR & BOOTH 243)

Bluewater specializes in the design, lease, ownership and operation of Floating Production Storage and Offloading (FPSO) vessels; and the design and supply of advanced turret mooring systems and CALM buoys. Currently, Bluewater owns and operates five FPSOs, which are producing worldwide. Bluewater also designs and supplies innovative Mooring and Transfer Systems for oil and gas (incl. LNG, CNG, LPG, etc.), for clients worldwide including:

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CALEY OCEAN SYSTEMS (BOOTH 532)

Based in East Kilbride, near Glasgow, Scotland, and established in 1968, Caley Ocean Systems Ltd has a strong international reputation as a centre of excellence in offshore handling for the Offshore, Oceanographic Marine Science and Naval Emergency vessels.

With an experienced, highly skilled, engineering team and dedicated manufacturing facilities, Caley Ocean Systems' services include innovative marine handling systems, design consultancy, professional project management and engineering services.

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MCE Deepwater Development 2013

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CAMERON (DIAMOND SPONSOR & BOOTH 235)

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CASTROL OFFSHORE LTD. (BOOTH 230)

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CB&I (BOOTH 239)

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CHAMPION TECHNOLOGIES (ASSOCIATE SPONSOR)

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CLAMPON AS (COMMERCIAL NORWEGIAN PAVILION, BOOTH 540)

ClampOn is the leading worldwide manufacturer of topside and subsea non-invasive ultrasonic intelligent sensors for particle, PIG, leak, vibration and corrosion-erosion monitoring. We work with our customers in the oil & gas industry to optimize their productivity and to safeguard their investments. Since the beginning in 1994 it has been the stated aim of ClampOn to develop and produce the best equipment of the highest possible quality. To do this we developed a technological platform with intelligent processing, in which the software determined the area of application of the instrument. Focusing on our core technology has enabled us to sell user-friendly, cost-effective products to customers all over the world.

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ROG in Mocow, AOG in Perth, CIPPE in Beijing, Global Petroleum Show in Calgary and the tree itinerant shows Deepwater Development, GASTECH and SPE Arctic Extreme Environment.

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DERRICK EQUIPMENT COMPANY (BOOTH 327)

Derrick Equipment Company, an industry award winner in customer service, manufactures premium solids control equipment. Satisfying the ever-changing needs of the oil and gas industry for almost four decades, Derrick has shaped the direction of solids control through leading-edge technological advancements.

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DOCKWISE (GOLD SPONSOR)

Dockwise Ltd., a Bermuda incorporated Company, has a workforce of more than 1,300 people both offshore and onshore. The Company is the leading marine contractor providing total transport services to the offshore, onshore and yachting industries as well as installation services of extremely heavy offshore platforms. The Group is headquartered in Breda, the Netherlands. The Group's main commercial offices are located in the Netherlands, the United States and China with sales offices in Korea, Australia, Brazil, Russia, Singapore, Malaysia, Mexico, Japan and Nigeria. The Dockwise Yacht Transport business unit is headquartered in Fort Lauderdale and has an office in Italy. The Dockwise Shipping network is supported by agents in Norway, Argentina and Italy.

To support all of its services to customers, the group also has three additional engineering centers in Houston, Breda and Shanghai, manufactures specific motion reduction equipment such as LMU (Leg Mating Units) and DMU (Deck Mating Units) and operates a fleet of 24 purpose built semi-submersible vessels (including MV Dockwise Vanguard and MV Finesse).

Dockwise shares are listed on the Oslo Stock Exchange under ticker DOCK and on NYSE Euronext Amsterdam under ticker DOCKW.

For further information: www.dockwise.com

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EMAS AMC (BOOTH 231)

EMAS AMC – created after the acquisition of Aker Marine Contractors AS, is a global EPCIC service provider of comprehensive subsea-to-surface solutions for the offshore construction sector, in particular the vibrant subsea segment. Offerings include subsea construction, umbilicals/power cables, pipelines, platforms and FPSO installations.

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FRAMO ENGINEERING (DIAMOND SPONSOR & BOOTH 528)

Framo Engineering, a Schlumberger Company, is world leading within Subsea Multiphase and Single-phase Boosting, Metering, Swivel and Marine Systems. The company is engaged in major development and delivery projects with a significant market share for new- as well as mature, marginal and deepwater field developments.

The company develops and delivers Subsea Boosting and Swivel systems under EPC contracts or as integrated supplier for subsea productions systems. Deliveries are supported by system integration testing performed in advanced Assembly and Test Dock facilities.

Framo Engineering is today a fully integrated Schlumberger Company and has, for more than two decades, commercialised Multiphase and Single-phase Booster Pumps and Multiphase Compressors for topside and subsea installations.

The Subsea booster pumps are in operation in several field developments worldwide for multiphase boosting, sea water injection and separation systems, and have today accumulated more than 1,5 million operating hours.

The Company has a strong flow assurance consultancy located in all major hubs with experts providing production system design and optimization

We have established a well organised Customer Service department for the after sales market, installation, commissioning and start-up, Service Agreements, 24/7 on-call support for Clients.

We are currently established with regional offices in Houston, Aberdeen, Rio de Janeiro, Kuala Lumpur, Luanda and Perth.

MCE Deepwater Development 2013

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FRAZER-NASH CONSULTANCY (BOOTH 441)

We develop requirements for projects, assess new concepts, analyse performance, assure safety, and plan through-life support. In particular, we provide specialist technical analysis services such as fatigue and fracture modelling, computational fluid dynamics, CP and ICCP system simulation, and performance analysis.

Formed in 1971 and now part of the £3bn Babcock International Group, we provide our expertise to operators and engineering services companies worldwide. Our customers range from the largest producers to small specialists; our services span the needs of both new developments and legacy assets.

Our 500 staff are experts in asset management, asset integrity, flow assurance, and safety. Worldwide offices include presences in Aberdeen, south-west London, and Australia.

Recent projects we've worked on include:

- Deepwater CFD cooldown analyses of a major new development in the GoM
- FPSO hull fatigue life predictions in SESAM
- Wellhead FEA and integrity studies
- ECA analyses of deepwater SCRs
- Failure investigations into deepwater reeled pipe bundles
- Flowline integrity assurance.

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GL NOBLE DENTON (BOOTH 234)

GL Noble Denton, part of the GL Group, is an independent technical advisor to the oil and gas industry. We help some of the industry's best known companies reduce risk, meet stringent regulations and increase efficiency by applying global best practice in safety, integrity and performance across the lifecycle of on- and offshore assets and operations.

With a presence in more than 80 countries, our team of nearly 4,000 engineers and scientists combines outstanding analytical skills with strong operational experience and industry leading software to deliver cutting edge solutions. For over 140 years GL Noble Denton has been independently innovating to make on- and offshore energy operations safer, more reliable and more efficient. Our work spans the industry - from mature oil fields to newly-established unconventional gas plays.

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HART ENERGY (BOOTH 236)

Hart Energy ranks among the leading industry providers of energy news and analysis in print, E&P magazine, online (web sites, databases, maps) and via "live" events, with in-depth unconventional resource information from its DUG™ conferences, regional Playbooks, basin and infrastructure maps, and exclusive Hart Energy research, e.g. the Global Shale Gas Study published in February 2012.

E&P magazine is the largest oil and gas magazine, and covers all aspects of offshore exploration and production. It is widely recognized as the leading source for global business and technology news

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HEEREMA MARINE CONTRACTORS (DIAMOND SPONSOR & BOOTH 439)

Heerema Marine Contractors (HMC) is a world leading marine contractor in the international offshore oil and gas industry. HMC excels at transporting, installing and removing offshore facilities. These include fixed and floating structures, subsea pipelines and infrastructures in shallow waters, deep and ultra deep waters. HMC manages the entire supply chain of offshore construction, from design through to completion.

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HOLLOWAY HOUSTON (BOOTH 630)

Holloway Houston, Inc. is the United States' largest single-location sling shop and testing complex. Our company, Holloway Houston, offers everything that's needed for your industrial lifting needs, combining quality products with state-of-the-art testing services made available at our world-class testing facility.

Holloway Houston is the leading provider of superior lifting products and services. Trusted to deliver throughout the world, we set the standards in lifting solutions.

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KBR (GOLD SPONSOR)

KBR and its subsidiaries -GVA, Granherne and Energo - provide innovative, cost-effective solutions for fixed and floating facilities, FPSO's, subsea and pipelines, integrated topsides and semi-submersible production platforms and drilling rigs. Our global team consists of designers, engineers, logistics and procurement specialists, and seasoned construction managers and project managers.

As offshore production continues to play an expanding role for the world's energy needs, KBR will be there providing innovative designs and project execution reliability.

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LANKHORST MOULDINGS (BOOTH 534)

Lankhorst Mouldings has unique capabilities of manufacturing thick-walled injection moulded products, extruded sheet and thermoset PU casting, from various new and recycled Polyethylene (PE), Polypropylene (PP) and Polyurethane materials (PU). Since the end of last century, Lankhorst Mouldings has been serving the offshore oil and gas industry with a growing range of products including:

- VIV suppression strakes and fairings;
- Pipe-in-Pipe centralisers and bundle spacers;
- Piggy-back clamps and Riser clamps;
- Anode tapers and field-joint infill shells;
- Marine drilling riser protection fins;
- Cable and flowline crossing and impact protection
- Bend restrictors and bend stiffeners
- Subsurface buoyancy, distributed buoyancy and installation buoyancy modules

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LLOYD'S REGISTER (BOOTH 530)

At Lloyd's Register we work to provide asset management solutions for clients operating in the oil and gas industry to help them manage the performance and risks associated with high value assets.

The combination of our asset knowledge, deep technical expertise and ability to generate value quickly allows us to make a vital contribution to asset management and safety assurance across the whole supply chain including exploration, production, transportation, processing and refining.

Our global capability for asset owners, operators, engineering procurement contractors (EPCs) and manufacturers, is tailored to the needs of stakeholders in the upstream, downstream and manufacturing industry. From concept, evaluation and design, through manufacture, in-service operation and maintenance, to plant-life extension and decommissioning, we help clients meet their legislative and corporate responsibilities effectively through four broad categories of services – inspection, compliance, technical consulting and business solutions; services across the full lifecycle of assets.

Our solutions give stakeholders confidence they are addressing today's technical, economic, legislative and social responsibilities effectively through achieving the highest standards of safety, environmental and operational performance.

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MARINE CYBERNETICS AS (COMMERCIAL NORWEGIAN PAVILION, BOOTH 536)

Marine Cybernetics contributes to safer and more profitable ships and offshore installations, through third party testing of computer control systems using superior Hardware-In-the-Loop (HIL) testing technology.

This results in significant savings for oil companies, contractors, ship owners and yards.

Marine Cybernetics has been in the industry for over 10 years, as the world leader in HIL testing.

Marine Cybernetics is an Independent Verification & Validation organization with headquarter in Trondheim, Norway. The company utilizes a simulator based test technology, known as HIL testing to the offshore and maritime industry in cooperation with major industry partners. Modern vessels have advanced computer systems for dynamic positioning, power generation and distribution, lifting and towing operations. It is well known that software problems lead to delays and non-productive time, and compromise safety. While the test and verification regime for structures and machinery systems is well established, most of the computer systems on today's vessels are put into operation without sufficient independent testing and verification. HIL testing is a well proven test methodology from automotive, avionics, space, power electronics, robotics, and nuclear industries, and is now also gaining recognition in the offshore industries.

We are a young, vibrant and dynamic company with an international background and the tools to succeed!

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MOKVELD VALVES BV (ASSOCIATE SPONSOR & BOOTH 107)

Mokveld contributes to safe, reliable and sustainable development of energy resources by means of expert knowledge and integrated valve solutions for control and safety applications.

By nature of (axial) design the valves systems provide a very compact and low weight solution which is beneficial for FPSO and subsea installations. The product portfolio comprises a wide range of valve products, tailor-made to application;

Control products:

- axial control valves
- axial choke valves
- angle choke valves

Safety products:

- axial on-off valves (for HIPPS)
- axial surge-relief valves
- axial check valves

In addition a full range of pneumatic and hydraulic actuators with tailored control arrangements are available for accurate control and reliable operation of your process. Valve sizes range from 2" up to 72" with pressure ratings up to API 15.000.

Subsea products

In close cooperation with the well known subsea integrators Oceaneering, FMC and Aker Solutions, Mokveld has developed and qualified an 8" / API 5.000 subsea axial control valve. The qualification program included an API 6A PR2 test, endurance testing with 500.000 cycles and hyperbaric testing simulating seabed conditions.

Mokveld is proud to have been awarded the subsea anti-surge control valves for the Åsgard Subsea Gas Compression Project.

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OIL STATES INDUSTRIES INC. (ASSOCIATE SPONSOR & BOOTH 424)

Oil States Industries is a world leader in products and services for the Oil & Gas industry. Oil States' provides FlexJoint®

flexible couplings for subsea applications, HydroTech® systems for construction and repair of subsea pipelines, advanced tubular connectors, including Merlin™, Nautilus® cranes, mooring systems, winches, and products/services for installation and decommissioning of offshore fixed platforms. These unique services include the well proven Hydra-Lok® system used for pile swaging and caisson repair, grouting hardware and offshore grouting services, pile grippers/lifting tools, flexible closures and Latch-Lok™ leveling systems. Oil States also provides 'Piper' valve systems for subsea and surface applications, 'Acute' welding services, and full repair and maintenance support for Marine Risers and BOP systems worldwide.

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PACSON VALVES (BOOTH 632)

Pacson Valves is a privately owned Scottish company with its headquarters in a modern 4,500 m² manufacturing facility based in Dundee and have a global presence with sales offices in every major oil & gas producing country in the world.

Our range of subsea products consists of Ball, Gate, Needle and Check Valves designed to comply with API and ASME standards.

We pride ourselves on the quality of products and services for subsea applications, with a total in-house capability for the manufacture of subsea valves up to 16 inch / 400 mm bore, and up to 25,000 psi working pressure.

PPG Protective & Marine Coatings

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PPG PROTECTIVE & MARINE COATINGS (BOOTH 440)

PPG Protective & Marine Coatings (PPG) is a world leader in protective and marine coatings.

Our global capabilities and respected protective coatings brands enable us to provide our customers with exceptional products, performance and service.

Our proven and trusted products protect a wide range of assets for the most demanding markets and environments, including:

- Civil Infrastructure
- Marine
- Offshore
- Petrochemical
- Power
- Rail

PPG has the scale and resources to deliver outstanding support with well-established operations in over 60 countries. Continuous development ensures that we provide optimum solutions for asset owners, contractors, fabricators and applicators across the globe, helping our customers to meet the challenges they face today and tomorrow.

Experience, innovation and integrity – that is what makes PPG the ideal coatings partner.

Customer-focused solutions

PPG provides world-class coatings solutions driven by our customers. With wide-ranging market knowledge, technical innovation and dedicated staff, PPG is the natural industry partner, delivering proven and trusted protective coatings. These customer-focused solutions range from protecting the most complex project to maintaining an existing structure. This unrivaled experience means that customers can rely on PPG's products, expertise and support to provide the optimum solution for their specific coating needs.

QUEST MAPS (BOOTH 640)

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Quest Offshore

QUEST OFFSHORE RESOURCES, INC. (CONFERENCE ORGANIZER & BOOTH 115)

Quest Offshore Resources is a leading provider of strategic data, analysis and market intelligence thru reports,

consulting and technical conferences to the offshore oil and gas industry; our niche is the deepwater, subsea and marine construction segments globally.

Quest has created the world's largest repository of data detailing forecast and active Deepwater Projects worldwide focused on all the important drilling prospects yielding potential hydrocarbons for the future, leading to eventual development thru Floating Production, Subsea, Deepwater Pipelines, and Umbilical solutions. This extensive band of accurate data has also led Quest to provide many companies with "Global Market Overview and Indicator Reports", input on potential mergers/acquisitions, strategic information for future plans, facilities.

Quest is also deeply entrenched within the offshore Marine Construction & Installation sector, providing information on markets, assets and news, also providing specialist reports from their consultancy services.

Please contact our representative at our stand number 115.

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ROXAR – A BUSINESS UNIT OF EMERSON PROCESS MANAGEMENT (BOOTH 635)

Roxar, a business unit of Emerson Process Management, is a leading international technology solutions provider covering the entire reservoir optimization value chain. Roxar's objectives are to help oil & gas operators increase oil & gas recovery from their reservoirs, reduce uncertainty, and make improved field management decisions.

Combining its 3D reservoir geological modelling and simulation software with its broad range of topside, subsea and downhole metering and monitoring instrumentation, Roxar provides reservoir management solutions from seismic interpretation and modelling through to production optimisation.

The result is that operators generate clearer pictures of the subsurface, are able to monitor production continuously, and can use up to date, accurate and insightful reservoir information when making operational field management decisions

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SAIPEM (BOOTH 631)

With revenues approaching 13 Billion Euros in 2011 and with over 40,000 employees worldwide from more than 120 nationalities, Saipem is one of the largest and most balanced turnkey E&C contractors in the Oil&Gas industry, a leader in the supply of engineering, procurement, project management and construction, with a strong bias towards complex and technologically advanced large-scale offshore and onshore projects in remote areas. Its drilling services continue to be distinctive, operating in many of the oil and gas industry's hotspots. Saipem is organised into two Business Units: Engineering & Construction and Drilling.

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SEA TRUCKS GROUP (BOOTH 628)

-Delivering the Difference-

The Sea Trucks Group is an international group of companies offering offshore installation, accommodation and support services to the Oil & Gas Industry worldwide. From ten locations around the world the group offers its customers a wide range of services from sub-sea construction and SURF solutions to accommodation hook-up and fabrication, supported by a multi-national workforce of more than 2,500 persons.

Sea Trucks owns and operates a fleet of new, flexible DP3 construction/accommodation vessels, based on a hybrid design configuration that combines the following key characteristics:

- Class 3 Dynamic Positioning System
- Large unobstructed decks
- Ability to install rigid pipe and/or flexible pipe
- High capacity cranes ranging from 270 to 1,800 tonnes
- Large accommodation capacities of between 298 and 469 persons

Sea Trucks Group has a strong "can-do" culture giving clients a rapid and effective response to their requirements. Due to the hybrid design configuration of the DP3 vessel fleet we offer our clients a wide range of versatile solutions for their project needs.

The Sea Trucks Group will also be able to offer additional marine spread, such as cargo barges and AHTS vessels.

For more information:

Corrie van Kessel – Manager, Marketing & Communications

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Seaway Heavy Lifting



SEAWAY HEAVY LIFT (GOLD SPONSOR & BOOTH 639)

Seaway Heavy Lifting (SHL), founded in 1991, is an independent offshore installation contractor with experience in the transport, installation and removal of offshore oil & gas platforms, subsea structures and the installation of wind turbine foundations and substations. By utilising our highly experienced personnel and state of the art vessels, we can offer tailor-made solutions for a variety of projects in differing circumstances and environments.

SHL operates crane vessels 'Stanislav Yudin' and 'Oleg Strashnov', with a revolving lift capacity of 2,500mt and 5,000mt respectively. SHL is known and respected throughout the industry for its reliability and the successful and safe execution of offshore projects. The company is steadily building an impressive track record.

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SHELL (HOST & BOOTH 434)

Shell is one of the world's largest independent energy companies in terms of market capitalisation, operating cash flow, and oil and gas production. Our Upstream businesses explore for and extract crude oil and natural gas. This includes the extraction of bitumen from mined oil sands which we convert into synthetic crude oil. We are continually bringing new oil and gas supplies on-stream from major field developments around the world. To do so, we explore in prolific geological formations that can be conventionally developed. We also explore in low-permeability formations that can be economically developed only by unconventional means.

SPARROWS GROUP (BOOTH 443)

Sparrows is the world's leading lifting engineering and mechanical handling contractor serving the offshore oil and gas industries.

With origins in the UK North Sea in the 1970s, Sparrows has grown to deliver services from 18 operating bases spanning 6 continents: wherever a client is in the energy world, support from Sparrows is never far away.

Although the most visible signs of Sparrows services are its 1,000+ field service operators and technicians, the company's fundamental strength lies in the depth of its engineering resources. These engineers analyse designs, structures or projects and develop handling solutions, products or maintenance strategies/plans as required. Only once prepared, approved and documented to these plans go to the workshop or offshore installation for implementation.

The scope of Sparrows service encompasses

- Offshore crane design, manufacture, installation, operation, maintenance, modification and repair
- Offshore Crane Rental
- Rigging loft hire
- Design, Manufacture & Supply of Subsea Carousels, Reel Drives, Loading Towers, etc
- Design, Manufacture and supply/sale of subsea Pipe/Cable Tensioners
- Design, Manufacture, Sale, Rental, Testing and Repair of Hydraulics Systems
- Training in all Lifting and Hydraulics skills

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SPX BOLTING SYSTEMS (Booth 111)

SPX Bolting Systems is a full service global manufacturer of controlled bolting solutions, including hydraulic torque and tensioning systems, industry specific certified training programs, system rentals, and flange management database software. We are your partner in flange management, both in regards to subsea applications, infrastructure construction and operations and maintenance applications enabling you to complete your project safely, in less time and on budget.

Our Subsea bolt tensioner incorporating the quick reaction nut feature reduces diver fatigue, improving diver safety and productivity. As a world leader in the design and manufacture of hydraulic bolting products, SPX Bolting Systems is continually innovating to exceed industry standards with highly innovative products designed to provide beneficial features to clients. The products have proven themselves in the most difficult environments such as marine industry, energy, oil and gas production, refineries, chemical industry, steel industry, nuclear, etc.

subsea 7

SUBSEA 7 (ASSOCIATE SPONSOR & BOOTH 338)

Subsea 7 is a leading seabed-to-surface engineering, construction and services contractor to the offshore energy industry worldwide. Operating a high-end, diversified fleet, comprising over 40 vessels and supported

by extensive fabrication and onshore facilities we offer the following services:

Subsea, Umbilical, Riser and Flowline (SURF) system

We are experts in the design, fabrication, installation and commissioning of SURF systems. Our SURF services include engineering and construction for subsea field developments, pipeline and riser systems and associated services.

Life-of-Field

We deliver services across all categories of Life-of-Field work, including inspection, maintenance and repair, integrity management and remote intervention. Supported by proven project management capability, technical expertise and new technologies, these services can be provided using either Subsea 7 owned or client-supplied vessels.

Conventional Services

Conventional Services include fabrication and installation of fixed platforms and associated pipelines, as well as hook-up and platform refurbishment.

Renewables

Our proven seabed-to-surface expertise, capabilities, strong safety and risk management processes and systems, are fully transferable to support this emerging market.

Acknowledged as a trusted partner throughout the offshore industry, Subsea 7 embeds values of safety, integrity, innovation, performance and collaboration in all its work practices and business processes.

TECHNIP (BOOTH 435)

Technip is a world leader in project management, engineering and construction for the energy industry. From the deepest Subsea oil & gas developments to the largest and most complex Offshore and Onshore infrastructures, our 30,000 people are constantly offering the best solutions and most innovative technologies to meet the world's energy challenges. Present in 48 countries, Technip has state-of-the-art industrial assets on all continents and operates a fleet of specialized vessels for pipeline installation and subsea construction. Technip's business activities serve many sectors of the energy industry worldwide, in particular the oil and gas sector, where we are active in three business segments: Subsea, Offshore and Onshore.

Within the domain of subsea hydrocarbon field development, Technip's activities cover the design, manufacture and installation of rigid and flexible subsea pipelines and umbilicals. Technip is a key integrated player on this market thanks to its portfolio of state-of-the-art subsea pipe technologies and industrial and operational assets. In the Offshore business segment Technip performs engineering, procurement, construction, installation, commissioning and the refurbishment/upgrading of offshore facilities for the oil & gas industry, for fixed platforms in shallow water as well as floating platforms for deepwater.



TOTAL (DIAMOND SPONSOR)

Total is one of the largest integrated oil and gas companies in the world, with activities in more than 130 countries.

The Group is also a first rank player in chemicals. Its 96,000 employees put their expertise to work in every part of the industry – exploration and production of oil and natural gas, refining and chemicals, supply and marketing, new energies and trading. Total is working to help satisfy the global demand for energy, both today and tomorrow.

VECTOR TECHNOLOGY GROUP (BOOTH 103)

Vector Technology Group is a major single source supplier of high integrity sealing solutions for the most demanding industrial applications. Its main products are the ROV operated OPTIMA Subsea Connector, the SPO Compact Flange and the TECHLOK Clamp Connector.

The Optima Subsea Connector was designed for North Sea Use and has since been used in sizes to 36" and qualified for pressures to 15,000 PSI. It has been designed with minimal parts and complexity so that connector make up times are minimised.

The SPO Compact Flange is widely used in Subsea applications since its first use on Subsea Risers in 1989. Recently DNV qualified to 15,000PSI, the Compact Flange is used worldwide in various applications from Subsea Manifolds to "bundled" pipelines and anywhere where space is at a high premium and high bending loads are needed

VTG's high level of technical expertise, broad industry knowledge and problem solving capabilities have earned Vector industry wide recognition, helping to build close working relationships with customers whilst delivering high quality products and customised solutions on-time.

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WALTHER PRÄZISION (BOOTH 642)

Walther-Präzision is a manufacturer of high quality quick disconnect couplings and coupling systems designed to meet your specific requirements for subsea applications. Over 30 years of subsea experience and a growing list of satisfied customers are proof of our capabilities. With operations globally we offer engineering, sales, service and support to satisfy the needs of our customers. We offer features such as:

- 30000 psi working pressure
- Deep sea poppet valves
- Material classes – ss – super duplex – titanium – Inconel
- Seals resilient – polymer – metal

Products:

- Small and large ROV operated stab plates
- ROV single connectors
- Work over / Intervention stab plates
- Diver mateable couplings (screw type)
- Coupling elements for plate or cavity installation
- Emergency disconnect units

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ZERLUX, INC. (BOOTH 636)

ZerLux, Inc., a laser application development company, designs, validates and implements groundbreaking laser technologies, dramatically advancing well production capabilities and enhancing oil recovery in the oil and gas industry. ZerLux uniquely provides a cost-effective solution for an array of applications while improving the production capacity of new, old, underperforming, damaged, or even abandoned wells. ZerLux's robust technology operates successfully in extreme temperatures and pressures, making it well suited for onshore, offshore, and deep-sea environments. Notably, ZerLux technology offers: no production tubing removal – reducing the possibility of breakdowns or slowing production; flow assurance; formation protection with underbalanced drilling; continued hydrocarbon production during procedures; downhole protection and precision using in-situ, real time, Anterior Controlled Drilling® (ACD); easy cleaning underneath production tubing and perforation zone.

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