INNOVATION & SUSTAINABILITY IN A NEW ENERGY WORLD

THE ADIPEC 2015 CONFERENCE SPEAKERS INCLUDE:

**OPENING CEREMONY & KEYNOTE SPEECH**

1. *Ministerial Sessions*
2. **CEO Plenary Sessions**
3. **Panel Sessions**

**TOPICAL LUNCHEONS**

3. **Technical Sessions**

**TOPICAL LUNCHEONS**

12. *Offshore & Marine Conference Sessions*
15. *Women in Industry Conference Sessions*
6. *MEPC VIP Programme Briefings*

WORLD’S LARGEST OIL AND GAS CONFERENCE

**Keynote Address:**

Dr Daniel Yergin
Dear Industry Colleagues

It gives me great pleasure to invite you to the Abu Dhabi International Petroleum Exhibition & Conference (ADIPEC) which takes place 9–12 November 2015. We are also pleased to announce that ADIPEC 2016 has been confirmed for 7–10 November, a date for your 2016 diaries.

ADIPEC is held each year at the Abu Dhabi National Exhibition Centre (ADNEC), Abu Dhabi, the capital city of the United Arab Emirates and the home city of the Abu Dhabi National Oil Company ADNOC. Abu Dhabi has firmly established itself as the region’s Energy Capital. As Chairman of ADIPEC 2015, I would like to take this opportunity to thank DMG Global Energy Events for their continued support in hosting what is now one of the world’s largest events focusing on the energy sector.

The theme for the ADIPEC 2015 Conference is Innovation & Sustainability in a New Energy World, as selected by the almost 50 industry executives that form the ADIPEC Conference Executive Steering Committee. Under this theme, DMG and the Society of Petroleum Engineers (SPE) as conference organisers have developed a large scale and comprehensive programme with 2 Ministerial sessions, 2 plenary sessions, 6 panel sessions, 3 industry breakfast sessions, 3 topical luncheons, 79 technical sessions, and numerous knowledge sharing ePoster sessions. The 2015 Conference is set to be bigger than ever before, providing the perfect platform to do business and network with a record breaking number of attendees. The Conference programme is one of the largest in the world based on 2,278 submitted abstracts from 540 companies across 65 countries.

ADIPEC 2015 will feature two new conferences: Offshore & Marine Conference and the Women in Industry Conference. The Offshore & Marine Conference will take centre stage in a purpose built dedicated theatre on the waterfront and will unite global industry experts who will outline key offshore projects as well as provide vital updates relating to maritime safety and security, shipping and technological advances. The Women in Industry Conference, held on Sunday 8 November prior to the official opening of ADIPEC, builds on the initiative to reach out to an increased number of women across the oil and gas sector. This Conference is the ideal platform for industry to gather and discuss the evolving role of women in the energy sector.

Once again, a key feature at ADIPEC this year is the Middle East Petroleum Club (MEPC). MEPC is an exclusive membership club which provides a secure environment for key decision makers across the oil and gas industry to network. MEPC also features a VIP Programme, which provides exclusive keynote speakers and panel discussions for all members. These Conferences and popular features, when combined with the exhibition, establish ADIPEC as the largest oil and gas event in the Middle East, African and Asian Sub-continent. This year ADIPEC is expected to attract 2,000 exhibiting companies, 23 international pavilions, 15 NOCs, 15 IOCs and 85,000 attendees across the 4 days of the show, creating an ideal platform for petroleum professionals worldwide to drive and support innovation within the industry.

We look forward to seeing you at ADIPEC 2015.

WELCOME FROM THE CHAIRMAN

Ali Khalifa Al Shamsi
Strategy & Coordination Director ADNOC
and Chairman, ADIPEC 2015

OVER 2,000 EXHIBITING COMPANIES

23 INTERNATIONAL PAVILIONS AT ADIPEC 2015

BELGIUM  FRANCE  IRELAND  MALAYSIA  SCOTLAND  UNITED KINGDOM
CANADA  GERMANY  ITALY  NETHERLANDS  SINGAPORE  USA
CHINA  INDIA  JAPAN  NIGERIA  SPAIN  SAUDI ARABIA
DENMARK  INDONESIA  KOREA  NORWAY  TURKEY
2015 ADIPEC SCHEDULE OF CONFERENCES

WED 11 November *

10:30 - 11:00  Technical Session 41-50
Session 41: E&P Geoscience: Advances in Reservoir Modelling
Session 42: Drilling and Completion Technology: Well Integrity and Well Control
Session 43: Field Development: Reservoir Management - Case Studies
Session 44: Field Development: Reservoir Simulation & Integrated Studies
Session 45: Gas Technology: Efficiency in Gas Processing/Gas Valorisation
Session 46: Operational Excellence: Managing Integrity Challenges in Complex Reservoirs
Session 47: HSE: Asset Integrity and Risk Management
Session 48: Operational Excellence: Maintenance, Performance and Turnaround
Session 49: Unconventional Resources: Fracture Diagnostics - Case Studies
Session 50: Projects Engineering and Management: Challenges in Managing Complex Projects

11:00 - 11:30  Offshore & Marine Conference Start

12:00 - 13:00  Lunch: Presentation (Al Maa’red Wedding Hall) and ePoster Sessions

13:30 - 14:30  Technical Session 51
Session 51: E&P Geoscience: E- Logging and Formulation Evaluation

14:00 - 16:00  Technical Session 52-59
Session 52: Drilling and Completion Technology: Intelligent Completions and Artificial Lift
Session 53: Field Development: Smart Water and Chemical EOR
Session 54: Field Development: New and Emerging Technology
Session 55: Operational Excellence: Advances in Monitoring and Well Testing
Session 56: Operational Excellence: Integrity Operation of Line Pipes
Session 57: People & Talent: Developing Capability and Talent
Session 58: E&P Geoscience: Challenges and Solutions in Reservoir Characterisation
Session 59: Drilling and Completion Technology: Real-Time Drilling Operations

16:30 Offshore & Marine Conference End

THU 12 November *

07:30 - 08:30  Industry Breakfast: University R&D Showcase

08:30 - 11:00  Panel Session 5: Research & Development: Driving Innovation through Global-Local R&D Partnerships

09:30 Technical Session 60-69
Session 60: E&P Geoscience: Advances in Rock Physics and Fluid Flow Characterisation Part I
Session 61: Drilling and Completion Technology: Intelligent Completions and Artificial Lift
Session 62: Field Development: Reservoir Monitoring
Session 63: Field Development: PVT & SCAL for EOR - Case Studies
Session 64: Operational Excellence: Excellence in E&P Data Management
Session 65: Operational Excellence: Managing Agency Facilities
Session 66: HSE: Accident Prevention and Lessons Learnt
Session 67: People & Talent: Building the Next Generation of Petroleum Professionals
Session 68: E&P Geoscience: Rocks and Fracture Characterisation
Session 69: Projects Engineering and Management: Asset Assurance and Integrity

12:30 - 13:30  Lunch: Presentation (Al Maa’red Wedding Hall) and ePoster Sessions

13:00 - 14:00  Topical Luncheon: The Game Changing Impact of Data and Data Driven Solutions in the Upstream Oil and Gas Industry

14:00 - 15:00  Closing Ceremony

14:00 - 16:00  Panel Session 6: Technology: Using Technology and Innovation to Address Industry Challenges

14:00 Technical Session 70-79
Session 70: E&P Geoscience: Advances in Rock Physics and Fluid Flow Characterisation Part II
Session 71: Drilling and Completion Technology: Drilling beyond the Limit
Session 72: Field Development: EOR Pilots and Field Implementation
Session 73: Field Development: Challenging Development of Marginal Fields & Complex Reservoirs
Session 74: Gas Technology: Improvement in Gas Operations
Session 75: Operational Excellence: Organization and People Behaviour
Session 76: Operational Excellence: Optimising Reliability in Operations through Automation
Session 77: E&P Geoscience: New Approaches in Characterisation and Modelling of Complex Reservoirs
Session 78: Unconventional Resources: Stimulation - Case Studies
Session 79: Drilling and Completion Technology: Sour Gas Drilling and Testing

16:30 Offshore & Marine Conference End
ADIPEC 2015 OPENING CEREMONY KEYNOTE ADDRESS – DR DANIEL YERGIN 10:30 MONDAY 9 NOVEMBER 2015 CONFERENCE HALL A

Dr. Daniel Yergin, Pulitzer Prize winning author, is respected around the world as a leading authority and adviser on energy, international politics and economics. Time Magazine said, “If there is one man whose opinion matters more than any other on global energy markets – it’s Daniel Yergin.”

Dr. Daniel Yergin is Vice Chairman of IHS, the global research and information company that works with the oil and gas industry worldwide. He is founder of IHS Cambridge Energy Research Associates. In 2014, he received a Lifetime Achievement Award from the Prime Minister of India.

Dr. Yergin received the Pulitzer Prize for his book The Prize, which was a number one best seller and made into a global television series and which is known throughout the oil world. In 2015, Bloomberg ranked The Prize as the number one book on oil.

Dr. Yergin is the author of the new bestseller The Quest: Energy, Security, and the Remaking of the Modern World. The Quest has been called “a masterfully piece of work” by The Economist and “a triumph” by the Financial Times. The New York Times said it is “necessary reading for C.E.O.’s, conservationists, lawmakers, generals, spies, tech geeks, thriller writers,” among many others. The Quest covers the history of energy, from oil and gas to solar and wind and outlines where we are today and what the future of energy, and our world, might look like.

ADIPEC 2015 OPENING CEREMONY MINISTERIAL PANEL 12:00 MONDAY 9 NOVEMBER 2015 CONFERENCE HALL A

THE OPENING CEREMONY MINISTERIAL PANEL DISCUSSION WILL ADDRESS THE ADIPEC 2015 THEME:

INNOVATION AND SUSTAINABILITY IN A NEW ENERGY WORLD

His Excellency Suhaib Mohamed Al Mazrouei, Minister of Energy, UAE will be joined by international and regional Ministers of Energy, Oil and Gas creating an interactive and open dialogue.

Moderated By: Dr Daniel Yergin

CEO PLENARY SESSION 1 14:30 MONDAY 9 NOVEMBER 2015 CONFERENCE HALL A

INNOVATION AND SUSTAINABILITY IN A NEW ENERGY WORLD - STRATEGIES AND INITIATIVES FROM THE NOCS

The global challenge facing the oil and gas industry is to meet the ever-increasing energy demands of a dynamic and fast changing world in a sustainable and Responsible manner. Clearly “business as usual” will not be enough to meet these demands. Innovation in products, services and processes holds the key to achieving safe, reliable, cost efficient energy solutions that also achieve economic, social and environmental sustainability targets. In this high level session, international industry leaders will share their strategies to address the challenges presented by the new energy landscape and the key roles played by innovation and the desire for sustainability.

Speakers include:
- Saad Sherida Al-Kaabi, President and CEO, Qatar Petroleum
- Lars Christian Pedersen, Exec VP Development & Production International, Statoil
- Abdul Mumin Gail Al Rishy, Chief Executive Officer, AOCO
- Hirobumi Kawano, President, INPEX
- Andy Bonn, Upstream International Director, Member of the Executive Committee of Royal Dutch Shell
- Shell

ADIPEC 2015 MINISTERIAL & CEO PANEL 09:00 TUESDAY 10 NOVEMBER 2015 CONFERENCE HALL A

MODERATED BY HIS EXCELLENCY SUHAIB MOHAMMED AL MAZROUEI, MINISTER OF ENERGY, UAE, THE MINISTERIAL AND CEO PANEL WILL FOCUS ON THE INDUSTRY FROM BOTH GOVERNMENT AND OPERATOR PERSPECTIVES

KEY AREAS UNDER DISCUSSION:
- Global energy outlooks
- Oil market stability
- Production, capacity, investment
- Technology and innovation

CEO PLENARY SESSION 2 11:00 TUESDAY 10 NOVEMBER 2015 CONFERENCE HALL A

INNOVATION AND SUSTAINABILITY IN A NEW ENERGY WORLD - STRATEGIES AND INITIATIVES FROM THE IOCS

The global challenge facing the oil and gas industry is to meet the ever-increasing energy demands of a dynamic and fast changing world in a sustainable and responsible manner. Clearly “business as usual” will not be enough to meet these demands. Innovation in products, services and processes holds the key to achieving safe, reliable, cost efficient energy solutions that also achieve economic, social and environmental sustainability targets. In this high level session, international industry leaders will share their strategies to address the challenges presented by the new energy landscape and the key roles played by innovation and the desire for sustainability.

Speakers include:
- Patrick Pouyenne, CEO, Total
- Jack T. Williams, Senior Vice President, Exxon Mobil Corporation
- Paul Margarit, Chairman and CEO, Schlumberger
- Bill White, Chairman and Senior Advisor, Lazard Houston
- Bob Dudley, Managing Director and Executive Officer, BP
- Bernard J. Duroc-Danner, Chairman of the Board, President and Chief Executive Officer, Weatherford International plc
CONFERENCE PROGRAMME - PANEL SESSIONS

PANEL SESSION 1. GLOBAL ENERGY MIX: PATHWAY TO AFFORDABLE ENERGY
14:00 TUESDAY, 10 NOVEMBER 2015 - HALL A

It is now widely recognised that the world has sufficient oil and gas resources to satisfy future demand. However, recent speculation that the era of $100/barrel oil is over has underlined uncertainties in this supply/demand pattern that increase risks for the investor in an industry with long lead times and long payback periods. Moreover, the recent fluctuation in the oil price has increased near-term uncertainty for unconventional, which could cause producers to cut back on both supply and investment, leading to long-term consequences for the market. In addition, advances in technology, climate change considerations, and greater regulation of the energy mix are also on the horizon. These trends have already impacted the oil and gas sector, and could lead to its fundamental transformation.

This panel will debate key issues affecting today’s fast-changing global energy industry, examining the challenges and opportunities presented by the short-term fluctuation in the oil price and the role that public policy, unconventional, energy efficiency, and new advances in technology will play in the new energy mix. In addition, the panel will examine the desirable energy mix and transition pathways which will provide the world with affordable, secure, and increasingly lower-carbon energy.

Panel Chairs & Moderator:
- Gamel Hassoun
  CEO
  ADN International
  (Moderator)
- Sun Yuebang
  Country Manager UAE
  CNPC Middle East Limited

Panel Chairs:
- Mohammad Saleh
  CEO
  ADNOC
  (Moderator)
- Jose Pereira
  President
  ADNOC
  (Moderator)

Speakers include:
- Robert Barchi
  EVP Exploration
  ExxonMobil

- Abdul Munim Saif Al Kindy
  President
  ZADCO

- Andy Brown
  President and Chief Executive Officer
  BP

- Bryan Gillis
  Chief Executive
  Eni

- Richard Hewitt
  CEO Exploration
  BP

- Richard Plotkin
  Chairman and CEO
  Statoil

- Jan Helge Stokkelund
  CEO
  Statoil

- Guo Yueliang
  President
  China National Offshore Oil Corporation

- Sadiq Al-Nasser
  President and CEO
  Qatar Petroleum

- Saeed Al Naqbi
  Chairman
  Masdar

- Sami Blossi
  Chief Executive
  Eni

- Flavio Tozzi
  Managing Director
  Amoco (Middle East)

- Tom Alinus
  President
  Enerpac

- Hamid Al-Khaly
  CEO
  Oman LNG

- Christos Serpetis
  CEO
  DBI Middle East

- Hanif Al-Khaly
  President
  Oman LNG Development Foundation

PANEL SESSION 2. OPERATIONS: THE NEW ERA OF OPERATIONS EFFICIENCY
09:00 WEDNESDAY, 11 NOVEMBER 2015 - HALL A

The rapidly falling oil prices that affected the oil and gas world in the latter half of 2014 and early 2015 have forced the industry to reconsider many of its certainties, as it had benefitted from stable and high prices in recent years. Recent structural changes in the industry like a disproportionate increase in capital expenditure compared with operating cash flows, trends such as the US LTO revolution and other geopolitical factors compounding uncertainty in supply and demand, all point to an outlook of increased volatility. However, every challenge provides an opportunity, and here the industry needs to consider significant reshaping to how it works to give an ever-greater focus on efficiency.

This panel session will examine how successful oil and gas organisations are seeking to enhance efficiency and assure the viability of their business models by taking actions on three operational fronts: 1. a stringent focus on reducing cash costs; 2. Bystering capital delivery; 3. Leveraging data and technology to enhance efficiency and agility.

However, despite significant efforts, companies aiming to capture the above-mentioned efficiencies often fail short of their ambitions to have a sustainable, lasting impact. Operational transformations need to tackle not only ‘technical’ aspects but also ‘management infrastructure’ (KPIs, targets and monitoring ‘dashboards’ to ensure they can measure the desired change) as well as mindsets and capabilities to address the underlying organisational culture. In conclusion, in these turbulent times the winners will be those who are able to shed their old ways of working to transform into truly agile, efficient and data-driven corporations while using technology to smartly tackle their biggest challenges.

Panel Chairs:
- Adriano Messina
  Executive VP
  North Africa and Middle East
  Eni

Panel Chairs & Moderator:
- Francis Koomey
  President
  Chevron
  (Moderator)
- John Matthew
  President
  SIU

Speakers include:
- Giuseppe Asti
  Manager
  Eni

- Linda Hamilton
  Managing Director
  Eni

- F. Khalid Al-Khairy
  President
  ZADCO

- Samir El-Metwally
  VP Human Resources
  Baker Hughes

- Ashley Ross
  VP
  Florin

- Gemma D’Auria
  Principal
  McKinsey & Company

- A. Salim David Khemakhem
  COO
  Sonatrach

- Mohamed Shalawiweh
  Al-Dabbah
  HR Director
  ADNOC

- Gemma D’Auria
  Principal
  McKinsey & Company

- A. Salim David Khemakhem
  COO
  Sonatrach

PANEL SESSION 3. PEOPLE: CSR AND THE FUTURE ENERGY INDUSTRY WORKFORCE
11:00 WEDNESDAY, 11 NOVEMBER 2015 - HALL A

The global energy industry is experiencing changes that radically redefine its future form and focus. It is under pressure to deliver increasingly diverse, environmentally sustainable and socio-politically acceptable energy solutions. In addition to the technological development that we have been witnessing in the last few decades, awareness of environmental and social impact has also grown considerably. And these have to do with “People”.

This panel session focuses on two key aspects that are critical to the success of the industry: Corporate Social Responsibility (CSR) and Human Capital.

Some decades ago, Corporate Social Responsibility was seen as more than the voluntary initiative of the corporation to help and promote the welfare of its “external” stakeholders. This is no longer the case. Michael Hopkins, an expert on the matter, considers that CSR is concerned with treating the stakeholders of the firm ethically and in a responsible manner, creating standards of living for people within and outside the corporation, whilst preserving its profitability. Nowadays, CSR is mandatory and as a result, “In-Country Value” has become a standard component of every “operational agreement”. In fact, these concepts are now evolving to a more comprehensive and stringent: “Social License to Operate”.

Human Capital has always been seen as the most important asset of the firm. However, along with the technological development of the energy industry, the coming decades will demand skilled, innovative, agile leaders and staff from diverse professional backgrounds who can predict and proactively respond, in unconventional ways, to emerging industry trends. The ability to add local in-country value combined with the need to achieve sustainable market success will require both IOCs and NOCs to attract, retain, re-skill and deploy key professional staff, ensuring the right roles and skills mix, at the right time, and in the right quantity, to meet industry challenges.

This will drive the creation of new forms of ‘equal opportunity’ social contracts, development programmes and employment packages to equip and motivate a mobile, highly flexible, multi-skilled professional workforce who can confidently meet future performance requirements. These multi-skills/multi-discipline engineers and professionals will become a scarce, highly contend global resource, and pose greater retention challenges for employers. Creating the ‘Future Energy Industry Workforce’ will demand much greater collaboration and integrated approach with Academia to continuously review, update and adapt the curricula to the industry needs and create the required secondary/tertiary programmes.

Panel Chairs & Moderator:
- Jose Pereira
  Middle East Representative
  Partex

Panel Chairs & Moderator:
- A. Salim David Khemakhem
  VP of
  Wild Operations
  ZADCO
  (Moderator)

Panel Chairs:
- Mohamed Shalawiweh
  Al-Dabbah
  HR Director
  ADNOC

Speakers include:
- Mohammed Shalawiweh
  Al-Dabbah
  HR Director
  ADNOC

- Hanif Al-Khaly
  President
  Oman LNG

- Abdul Munim Saif Al Kindy
  President
  ZADCO

- Samir El-Metwally
  VP Human Resources
  Baker Hughes

- Ashley Ross
  VP
  Florin

- Gemma D’Auria
  Principal
  McKinsey & Company

- A. Salim David Khemakhem
  COO
  Sonatrach

- Zadco
  (Moderator)
Even with the current environment of low oil prices, the projected global energy demand will increase when the global economy picks up speed again, and so it remains imperative to address the challenges facing our industry.

These objectives can be advanced only by ongoing research into the full cycle of the exploration, drilling, completion, and production processes in combination with an environmentally “green” approach and the adoption of best practices for the safe and efficient operation of offshore assets.

Pros and cons of remote R&D centres working together versus a centralised centre

Finding the right balance between (1) controlling ideas, intellectual property and rewards (closed innovation-type) and (2) sharing risk, costs, diversified and complementary skills (open innovation-type) should be the goal of decision makers in the oil and gas industry.

With the increasing market demand for new technologies and knowledge, large companies who used to perform all R&D innovations on their own can no longer isolate themselves from the world. They are adapting and becoming more successful, like small innovative companies, by searching the right mix of closed versus open innovation paradigms.

It is expected that there will be pressure to optimise costs due to the impact of falling oil prices. Companies will seek to adapt to changing circumstances by reducing expenditures on non-core assets and programmes. Decision makers should carefully consider the long-term impact of their actions during these challenging times.

Accidents in the oil and gas industry can have severe negative impact on a company’s reputation and its operational and financial performance. Whenever people are injured, assets damaged, the environment polluted and business interrupted, money is unavoidably lost. Some incidents take years to recover from. Therefore direct and indirect costs need to be taken into consideration when making decisions on cost optimisation.

The current business environment presents a challenge to the industry but also presents an opportunity for companies to look deep within and streamline their processes and systems to maintain and enhance Health, Safety and Environment (HSE) in innovative ways without significantly impacting the bottom line. Now is the time to show our commitment to HSE and asset integrity. Where there is a will there is a way.

The theme of ADPEC 2015 is “Innovation and Sustainability in a New Energy World” aimed at sharing best practices amongst organisations in a dynamic and challenging business environment. This HSE panel welcomes speakers to highlight their achievements in addressing the challenges mentioned above without compromising on HSE, and also share their proven initiatives that have improved HSE commitment and performance.

Panel Chairs:

Ibrahim Al Ali
Deputy CEO
Al Mansoori
Specialized Engineering

Abdulrahman Baniabdulla
Al Saif
SNIO

Moderator:

Loris Teddi
Managing Director
ENI

Speakers include:

Aleksandra Karim Pachijewska
Corporate HSE Manager
CNPC International Dept

Wang Hongbo
Deputy Director General
CNPC International Dept

Graham Rain
VP HSE/MNA
Oryx

Richard Brown
VP Health, Safety & Environment
Schlumberger

Clive Nilsen
VP HSE/OS&H Development and Production Internat
STATOIL

Panel Session 4: HSE: No Compromises on HSE & Asset Integrity, Even in Tough Times

Panel Session 5: Research & Development: Driving Innovation Through Global-Local R&D Partnerships

Panel Session 6: Technology: Using Technology and Innovation to Address Industry Challenges
09:00 KEYNOTE: Economic analysis of offshore oil and gas in E&P management

09:10 PANEL AND THE TECHNICAL PROGRAMME IS ORGANISED BY

09:15 SESSION 1: Open Discussion: Current economic outlook, future trends, challenges and their impact on the offshore sector globally

SESSION 5. RESEARCH & DEVELOPMENT: Key elements of the inclusive growth in offshore oil and gas projects

11:40 SESSION 7: Strategic outlook for maritime security and safety

11:45 SESSION 8: CASE STUDIES: Effective HSE measures for the shipping industry and offshore mature fields

12:30 LUNCH

14:00 SESSION 4: Advanced ways in offshore subsea dispensation in oil and gas

14:40 SESSION 5: Panel Discussion: Supporting gas and oil transportation and delivery through OGV and FPSO vessels

15:10 SESSION 6: Project update: Best practices for creating a capacity plan for the offshore Egypt West Nile Delta project

DAY 1 | MONDAY 9 NOVEMBER

TOPIC: Future prospects for offshore oil and gas: challenges and opportunities. Offshore E&P is the embodiment of undertaking high risks in pursuit of high rewards. Points of discussion will:

- Reviewing the economic indicators and an overview study on the impact of the offshore market so as to improve on recovery is vital for the industry to remain and increase its competitiveness and to ensure its success.
- Inspecting the uncertainty of the offshore market – risk and decision analysis on how to manage both risks and reduce overall costs are areas that need much attention.

This session will show the growth potentials for the offshore oil and gas market. The global offshore oil and gas industry is expected to continue to increase in the coming years. Areas of discussion include:

- What can be expected from the impact of oil and gas prices in the offshore oil and gas sector?
- Global market overview of offshore oil and gas
- What is the Government and Industry’s take on tackling these offshore exploration and production challenges?
- Insights into new African offshore discoveries and how Africa can advance in the exploitation and production of its offshore hydrocarbons despite high operating costs
- Best approaches for offshore E&P in the coast of Alaska
- Working to successfully achieve operational efficiency for the Kazuma offshore project in Angola

10:30 COFFEE BREAK

11:00 SESSION 2: Case Study: Project excellence in offshore oilfield development in China

11:40 SESSION 3: Panel Discussion: Key elements of the inclusive growth in offshore operation projects in the Middle East

The Middle East is a major player in offshore oil and gas projects and a major player globally in terms of its potential. In order for the Middle East region to achieve successful construction of oil and gas fields and it supportive structures, the contractors need to conduct aggressive studies. Offshore projects in the Middle East continue to be executed - how is the Middle East succeeding and remaining competitive in the offshore oil and gas production? This Panel Discussion will:

- Focus on operational processes to reduce the rate of production decline in offshore oil and gas fields
- Source reliable and sustainable energy generation to offshore oil fields
- Explore technologies and ideas towards achieving operationally efficient in offshore oil and gas exploration.
- Look at how to improve high performance in wells so as to increase the production rate in offshore operations
- Understand how offshore operators can facilitate a smooth tender process, lease, contracting and license barriers to service companies
- Explore how IOCs and NOCs are increasing hydrocarbon recovery from existing offshore wells?
- Drought insights into how the transportation of oil from the offshore islands can be enriched

12:30 LUNCH

14:00 SESSION 4: Advanced ways in offshore subsea dispensation in oil and gas

Developing internal systems to effectively detect and tackle operational risks (taking both the known and unknown risks into consideration) and rising intervention costs in offshore oil and gas. This Session will focus on:

- Detecting production choke wear in high rate oil, generating graphical trending of production parameters: an offshore Saudi Arabia gas field case study
- Developing flow assurance strategies to guarantee unobstructed flow and maximize offshore production
- Gaining a market overview on subsea processes in offshore oil and gas exploration and production
- Exploring separation efficiency issues – processing a proven diagnostics approach or permanent measurement instrumentation option
- Understanding requirements for an effective operational procedure for well control equipment in subsea offshore operations
- Getting the most from reservoir surveillance, well testing, production measurement

DAY 2 | TUESDAY 10 NOVEMBER

TOPIC: The role of the shipping industry in the 21st century

The oil and gas sector is developing and adapting to current economic challenges, whilst at the same time, the discovery of remote oil and gas fields need energy trading patterns shifting.

- Ship management and operations: best operating practices
- Natural gas handling and transportation in offshore operations
- Port to ship to offshore operations
- Vessels of the future: energy efficiency and innovation

09:15 SESSION 5: Panel discussion: Supporting gas and oil transportation and delivery through OGV and FPSO vessels

The Middle East offshore support market faces major constraints for offshore support vessels (OSV) in shallow water conditions. Challenges that can occur due to shallow water depths. Solutions to overcome failures in shallow water for OGV are currently being reviewed. OGV are increasingly taking over the traditional functions of rigs and platforms hence the emergence of a new generation of multiskilling, more powerful OGV are needed. Points of Discussion will be:

- Overcoming the current credit crunch, slower demand and declining value
- Improving OGV regulations and addressing the need to introduce specific OGV rules
- Understanding how OSPV optimises containers of OGV to serve larger vessels
- Reviewing the key challenges key challenges and benefits in floating production storage and offloading (FPSO) vessels

09:45 What are the economic benefits to offshore projects? Which locations provide the best for OGV?

10:30 COFFEE BREAK

11:00 SESSION 6: Project update: Best practices for creating a capacity plan for the offshore Egypt West Nile Delta project

West Nile Delta in Egypt represents the largest foreign direct investment into Egypt. Project update including oilfield design, pipeline construction, OGV and FPSO advantages.

DAY 3 | WEDNESDAY 11 NOVEMBER

TOPIC: Operator cost reduction initiatives whilst remaining competitive in offshore oil and gas projects

Driving sustainable change and cultural mind sets through leadership and culture in offshore oil and gas projects

- Addressing operators facing a huge challenge due to IOC’s and NOC’s that demand cutting costs without reducing any of their technical or administrative requirements. This is putting a stall in contractors and sub-contractors in the offshore industry. If IOC’s and NOC’s want to remain competitive in offshore oil and gas production and have a reduced cost base for the future, they have to critically review their own demands first and see if everything they want is strictly needed on every offshore project.

The question is: where can IOCs and NOCs look to reduce costs without comprising on execution and safety?

09:15 SESSION 9: Finding ways in offshore oil and gas to support the technology gap

One of the major challenges in offshore oil and gas operations is the gap in technology. The offshore industry is in dire need for technology to advance projects and achieve completion deadlines. Technologies and processes that need attention include:

- Opportunities for efficiently training your offshore and onshore resources through EEyeSim, immersive reality training simulator
- Implementing the latest technology in chemical distribution systems for offshore production facilities
- Latest technology developments in well completions
- Equipment and advancements in shale oil and gas
- Advancements in multi stage fracking equipment
- Expertise and advanced technology for offshore and marine structures and pipelines
- Using the latest technology to improve facility performance during life cycle

11:00 SESSION 10: Project Update: Offshore oil and gas project in the Gulf of Mexico

Developing an enforced strategy to overcome immense drilling challenges in ultra-deep water in the Gulf of Mexico, to satisfy the global market demands and to also achieve the production growth objectives of the operators.

11:40 SESSION 11: Panel Discussion: Making the business case for the effectiveness of decommissioning and completion in offshore oil and gas projects

Numerous offshore wells in the Middle East are hard to drill; new ideas are needed to improve drilling activities. Production can be increased by taking advantage of new techniques that will drill the most difficult wells. Making sure that targets are being achieved by maximising ROI through automation for the drilling process is an aspect that the industry cannot ignore. Points of discussion will be:

- Executing the drilling process through automation to improve accuracy, reduce costs and enhance efficiency
- Certification of inner wire drilling and cabling drilling for difficult wells
- In-depth risk assessment in offshore drilling activities
- Y-platform analysis of shallow and deep water drilling operations
- How can IOCs and NOCs delete the negative impact on offshore drilling processes? Drilling ahead of bit, an upstream smart initiative
- Evaluating the limitation of the industry’s drilling techniques that cause a hindrance in the growth of the offshore industry
- Analysis of potential solutions to overcome the challenges in drilling that are beyond current industry experience

14:00 SESSION 12: Extending the pipeline lifecycle and integrity through best approaches and applicable norms

The future success of the transportation of offshore oil and gas can be achieved through a thoroughly planned pipeline design and construction model

Deeper analysis of the pipelines life extension and that of ageing structures is vital. This Session will Focus on:

- Advancing design methodologies to optimise pipeline design
- Designing best practices for early detection systems to ensure offshore pipeline integrity
- Utilising a common framework to model pipeline system pressure
- Achieving accurate temperature profile methodologies along offshore pipelines
- Looking at intelligent ways for clad pipes to meet pipeline construction specifications
- Managing pipeline integrity management for subsea pipelines, coated pipelines and pipe in pipe
- Best practices in integrity management of safely critical systems

14:45 SESSION 13: Offshore platform decommissioning

The past few years have seen a significant increase in the demand for offshore decommissioning projects. This has led to a rise in the number of projects and a shift in the focus from exploration to production. Offshore decommissioning is a complex and challenging process that requires careful planning and execution. It involves the safe and efficient removal of offshore structures and associated assets to prevent environmental impact and ensure public safety. The process typically includes the following steps:

1. Identifying the decommissioning strategy: Selection of the appropriate decommissioning method based on the structure’s design, environmental impact assessment, and regulatory requirements.
2. Planning and permitting: Obtaining necessary permits and approvals from relevant authorities.
3. Offshore operations: Carrying out the decommissioning activities, which may include removing equipment, cutting structures, and deconstructing platforms.
4. Environmental monitoring: Conducting regular environmental assessments to monitor the impact of decommissioning activities on marine life and the surrounding ecosystem.
5. Verification and certification: Ensuring that the decommissioning activities comply with legal and regulatory requirements.

Decommissioning offshore facilities is a critical aspect of asset management in the oil and gas industry. It is a complex and costly process that requires careful planning and execution. It is important to ensure that decommissioning activities are conducted in a safe, efficient, and environmentally responsible manner to minimize the impact on the environment and public safety.
In his 1992 Pulitzer prize winning book The Prize: The Epic Quest for Oil, Money and Power, Dr Yergin tells story of oil and geopolitics. Its 2014 sequel, The Quest: Energy, Security and the Remaking of the Modern World, covers the history of energy, from oil and gas to solar and wind and outlines where we are today and what the future of energy, and our world, might look like.

At ADIPEC presents… Dr Daniel Yergin will lead a conversation on oil and geopolitics and how the industry has evolved over the years.

Join the discussion and gain insight into what Africa's oil and gas sector has to offer.

Defining the opportunity: overview of Africa's abundant energy reserves and how foreign investors can become partners and help shape the future direction of the sector

Innovation is the key to success in any sector and with Africa actively open for business - topics in focus will include:

• the importance of building a team where the right character and attitude is of paramount importance and is vital for success.
• key areas will include how leadership, persistence, discipline, enthusiasm, creative thinking and innovation, planning skills, high organisational ability, flexibility to meet unexpected obstacles, goal setting and performing under extreme pressure – are all the qualities that are crucial to success in the business world.

In what is traditionally a male dominated industry, technology advancements have allowed for more women to join both the oil and gas and energy sectors. Innovation is the key to success in any sector with the right character and attitude being of paramount importance and is vital for success.

With the current oil price being lower than recent years and the changing economic landscape, industry talent requirements and perspectives have also changed. What does this mean for women looking to transition into a leadership role? Will your engineering skills, hands on experience and expertise help you get there? And once there – what next?

The opportunity and the potential are evident, especially in Africa's oil and gas hot spots namely: Mozambique, Kenya, Tanzania, Angola, Ghana and Uganda.

With Africa actively open for business - topics in focus will include:

• Defining the opportunities: overview of Africa's abundant energy reserves and how foreign investors can become partners and help shape the future direction of the sector.
• How international investors and business leaders can actively engage with Africa's NOCs and government officials to create mutually beneficial long lasting business partnerships.
• What to expect? Gain clear understanding of Africa's own expectations, objectives, their immediate needs and future predictions for their oil and gas sector.

Join the discussion and gain insight into what Africa's oil and gas sector has to offer.

The energy industry provides a whole wealth of opportunity for investors and companies looking to allocate their capital and invest in lucrative and exciting global energy projects.

Such investment opportunities allow for strategic diversification across energy portfolios and business activities whether that be from sovereign wealth funds, private equity investment or NOC and IOCs.

Areas in discussion:

• Creating sustainable growth: why invest across sector and geography?
• Innovative investment approaches supporting the economy and industry: aerospace, clean energy, specialist healthcare and new industrial sectors.
• Industry macro-economics and trends: understanding investment influences and sectors high of the investors agenda.

In today’s world, consumers are savvier, more interlinked and more powerful than ever before. You can have the best products in the world but if you haven’t created a conversation around your brand, such that people trust you, they will not buy into what you are selling them.

At ADIPEC presents… Jon Duschinsky will draw on the areas of innovation, leadership and motivation and how you can actively create change and engagement within your business environment.
• Industy macro-economics and trends: understanding investment influences and sectors high of the investors agenda

Join the discussion and gain insight into what Africa's oil and gas sector has to offer.

• What to expect? Gain clear understanding of Africa's own expectations, objectives, their immediate needs and future predictions for their oil and gas sector

The opportunity and the potential are evident, especially in Africa's oil and gas hot spots namely: Mozambique, Kenya, Tanzania, Angola, Ghana and Uganda.

With recent new oil and gas discoveries on the increase, Africa's oil and gas sector is fast growing in strategic importance and catching the eye of potential foreign investors, IOCs and service and technology partners

The ADIPEC 2015 Innovation through Industry Collaboration Briefing will feature experts in their fields showcasing their advances and collaborations.

Industry and technology are transforming at an incredible pace. As developments take shape, it is becoming more apparent that combining cross industry research and technology can only act to advance and enhance