A Gathering of Oil and Gas Stakeholders and Influencers: Learn and Network

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Consultant steps to improve the process, it is necessary to gain insight into the steps of this process and to identify a phrase that one may feel that learning lessons is an automatic or natural process. However, many everyday events such as losing in a sporting competition. Indeed, this has become such a common situation.

Major accidents continue to occur with a disturbing frequency in recent decades and it is a common concern. Effective Learning from Major Process Safety Incidents

Musallam Al Mandhari, Chief Executive Officer, Trowers & Hamlins

Helen Briant, Director of Service Delivery, Customer Services, Digital Factory & Process

Paul Wright, Partner, Arnouldhugh & Brown

Suleiman Al Saifi, Director of Service Delivery, Customer Services, Digital Factory & Process

Tom Owen, Director of Service Delivery, Customer Services, Digital Factory & Process

Kevin Watson, Senior Analyst, JSRS ICV Program Management Office

Mahmood Al Hadidi, In-Country Value Manager, Occidental Oman Inc. (OXY Oman)

Hamood Al Sawaafi, Drilling Engineer, Ministry of Oil & Gas

Amer Al Sinani, In Country Value (ICV) Strategy Lead - ICV Program Management Office (PMO), Ministry of Oil & Gas (MOG)

Suleiman Al Saifi, Country Value(ICV) HR Lead Program Management Office (PMO), Ministry of Oil and Gas

Bader Al Rahbi, ICV Monitoring & Reporting ICV Dashboard Manager, JSRS ICV Program Management Office, Ministry of Oil & Gas (MOG)

Salman Maimani, Well Engineering Contracts Manager, Petroleum Development Oman (PDO)

Dr. Raed Abdulkarim, Manager Integration and Change Management, ORPIC (Oman Oil Refineries and Petroleum Industries Company)

Kevin Watson, ICV Executive Manager, Oman Society for Petroleum Services (OPAL)

Mahmood Al Hadidi, Talent Management and Recruitment Manager, Oman LNG

Dean Fox, International Business Development Consultant, The Science Engineering and Manufacturing Technologies Alliance (SEMTA)

Tom Owen, International Business Development Consultant, The Science Engineering and Manufacturing Technologies Alliance (SEMTA)

Hilal Al Yarubi, Talent Management Manager, Occidental of Oman inc. (OXY Oman)

Mohammed Al-Ghareebi, In-Country Value Development Manager, Petroleum Development Oman (PDO)

Mohammed Al Mukhainy, In-Country Value Manager, Oman LNG

Kamil Al Dhamri, Corporate Road Safety Advisor, Petroleum Development Oman (PDO)

Ahmed Al Musallami, Sr. Drilling Engineer, Occidental of Oman inc. (OXY Oman)

Tariq Al Sabahi, Industrial Hygiene Advisor, BP Oman

Ismail Al Magrashi, Process & Process Safety Engineering Team Leader, BP Oman

Andrew Figgins, Partner & Head of Energy Projects & Construction, Dentons Oman

13:00   Before and After – Don’t Neglect Incident Response Management

11:00   Understanding the ICV Strategy. New strategies: Vendor Development Program, Ring-fencing, Oilfield

12:10   Public-Private Sector Corporation in the Development of a National Technician Apprenticeship Program (Oman Oil Refineries and Petroleum Industries Company) ORPIC

12:00   Cyber Security Readiness in the Oil and Gas Industry

11:20   Interactive Panel Session: Analysing the Importance of Investing in Advanced Technologies

10:40   An Exclusive Presentation: Comtrac - Presenting the New Intervention System Designed to

10:20

10:00   Producing Oil with Sunshine - Using Solar Energy to Produce Low-cost, Emission-free Steam for

09:20   Drilling Data Analytics

08:30   Organizers Welcome Address

08:00   Registration and Networking
improve that process, it is necessary to gain insight into the steps of this process and to identify
phrase that one may feel that learning lessons is an automatic or natural process. However, many
HSE Workshop - Effective Learning from Major Process Safety Incidents
14:15
OPAL
Musallam Al Mandhari,
Deloitte
Paul Wright
, Partner,
Industries and Drives,
, Director of Service Delivery, Customer Services, Digital Factory & Process
Gulf Business Machines (GBM)
, Director of Security Operation,
• What security is necessary and where must this implemented?
• Investing and optimizing the cyber security of our industrial control systems (ICS)
• Cyber Security: What to protect and at what cost?
13:40   Interactive Panel Session: Maximizing the Protection of Our Assets: Security or Resilience?
Industries and Drives,
13:20   Digitalization and Cybersecurity in an Energy and Oil & Gas Context
Paul Wright
Deloitte
Trowers & Hamlins
12:40   Response to a Breach of Cybersecurity from a Legal Perspective
Niraj Mathur
Environments
12:20   Gaining Visibility and Mitigating Your Risk Via Your Security Operations Center for the Oil & Gas
Mohammed Al Mukhainy
, ICV Executive Manager,
Mohammed Al-Ghareebi
Petroleum Development Oman (PDO)
Dr. Raied Abdulkarim
, Manager Integration and Change Management,
Ministry of Oil & Gas (MOG)
, In Country Value (ICV) Strategy Lead - ICV Program Management Office (PMO),
Amer Al Sinani
14:50   Interactive Panel Session: ICV, What Is Next?
Occidental of Oman
, Talent Management Manager,
Hilal Al Yarubi
Challenging Roles
14:30   Comprehensive Strategy to Hire, Develop and Progress Competent Omanis to Handle
Tom Owen
Institution of Mechanical Engineers (IMechE)
, International Business Development Consultant,
Dean Fox
13:50   Understanding the Role of a Sectorial Society in the Development of National Cadres
Mahmood Al Hadidi,
12:30   Oman LNG’s Journey in Resourcing Readiness Plan 2018 Project
Oman Society for Petroleum Services (OPAL)
, ICV Executive Manager,
Program
(Oman Oil Refineries and Petroleum Industries Company)
Dr. Raied Abdulkarim
11:50   Presenting the Role of Change Management to Support the Oil & Gas Sector with the ICV
Petroleum Development Oman (PDO)
, Well Engineering Contracts Manager,
11:30   Managing the Balancing Act of Supporting Entrepreneurship and Becoming More Cost-Efficient
Suleiman Al Saifi
Amer Al Sinani,
11:00   Understanding the ICV Strategy. New strategies: Vendor Development Program, Ring-fencing,
10:30
Sadiq Al Lawati,
Hamood Al Sawafi,
Ministry of Oil & Gas (MOG)
10:40   An Exclusive Presentation: Comtrac - Presenting the New Intervention System Designed to
Mahmoud Zakaria
, Country Manager, Wireline, Archer
10:20   GlassPoint Solar
Heavy Oil Production
10:00   Producing Oil with Sunshine - Using Solar Energy to Produce Low-cost, Emission-free Steam for
Marwan Chaar
Vice President of Project Development, GlassPoint Solar
09:40   Benefits of Big Data Usage in the Daily Drilling Business
Ahmed Al Musallami
Senior Drilling Engineer, Occidental of Oman Inc. (OXY Oman)
09:20   Drilling Data Analytics
Session 1: Alternative Technologies in Oil and Gas
10:20 Case Study: Inspection of Industrial Confined Spaces by Using Drone Technology and 3D Modelling
Subtitle: Non-entry by Use of Robotics
Marien van den Hoek
Chief Commercial Officer & Founding Father, RoNik Inspectioneering B.V
10:40 An Exclusive Presentation: Comtrac - Presenting the New Intervention System Designed to
Convey Electrical, Electro-mechanical, and Mechanical Services Within the Same Rig-up
Mahmoud Zakaria
Country Manager, Wireline, Archer
11:00 Understanding the Collaborative, Cross Industry Approach Being Taken to Eliminate the Risk of
Dropped Objects in Drilling Operations
Andrew Clarke
HSE Manager, BP Oman
11:20 Interactive Panel Session: Analysing the Importance of Investing in Advanced Technologies
Despite the Low Oil Price Environment
Panelists:
Ibrahim Al Ismaili, Oman Oil Company Exploration & Production LLC
Marien van den Hoek, Chief Commercial Officer & Founding Father, RoNik Inspectioneering B.V
Dawood Al Qassabi, Head of New Technology Implementation, Petroleum Development Oman (PDO)
Marwan Chaar, Vice President of Project Development, GlassPoint Solar
11:40 Morning Refreshments and Networking Break
Session 2: Cyber Security in the Oil and Gas Industry
12:00 Cyber Security Readiness in the Oil and Gas Industry
Anas Mohsin Al Balushi
, Director of Security Operation, Information Technology Authority (ITA)
Gaining Visibility and Mitigating Your Risk Via Your Security Operations Center for the Oil & Gas Environments
• Challenges in Cyber Security for the ICS Environments
• Risk Mitigation Approach
• Setting up your Cyber Security SOC for SCADA Environments

Niraj Mathur, Manager Security Practice, Gulf Business Machines (GBM)

Response to a Breach of Cybersecurity from a Legal Perspective
Helen Briant, Partner, Trowers & Hamlins

Before and After – Don’t Neglect Incident Response Management
Paul Wright, Assistant Director - Forensic Technology, Deloitte

Digitalization and Cybersecurity in an Energy and Oil & Gas Context
Syamak Bahmanyar, Director of Service Delivery, Customer Services, Digital Factory & Process Industries and Drives, Siemens

Interactive Panel Session: Maximizing the Protection of Our Assets: Security or Resilience?
• Cyber Security: What to protect and at what cost?
• Investing and optimizing the cyber security of our industrial control systems (ICS)
• What security is necessary and where must this implemented?
• Protecting your critical assets - Redefining Cybersecurity

Panelists:
Anas Mohsin Al Balushi, Director of Security Operation, Information Technology Authority (ITA)
Abdulaziz Alzaabi, IT Service Delivery Manager, Occidental of Oman
Niraj Mathur, Manager Security Practice, Gulf Business Machines (GBM)
Syamak Bahmanyar, Director of Service Delivery, Customer Services, Digital Factory & Process Industries and Drives, Siemens
Helen Briant, Partner, Trowers & Hamlins
Paul Wright, Assistant Director - Forensic Technology, Deloitte
Moderator: Notis Iliopoulos, Manager, Cyber Security Consulting, WSP

Closing Remarks
Musallam Al Mandhari, Chief Executive Officer, OPAL

Networking Lunch

HSE Workshop - Effective Learning from Major Process Safety Incidents

Overview on Asset Integrity and Process Safety
Major accidents continue to occur with a disturbing frequency in recent decades and it is a common experience to hear the phrase “We must learn lessons from this” following a major accident, or a more everyday event such as losing in a sporting competition. Indeed, this has become such a common phrase that one may feel that learning lessons is an automatic or natural process. However, many incidents have occurred because organizations have failed to learn from lessons of the past. This means that there is room for improvement in the way organizations analyze incidents, generate measures to remedy identified weaknesses and prevent reocurrence: the learning from incidents process. To improve that process, it is necessary to gain insight into the steps of this process and to identify factors that hinder learning (bottlenecks).

This workshop aims to understand the different models that organizations utilize to analyze the steps in learning from incidents process and to identify the bottlenecks. The workshop is to explore challenges at several stages in the Learning from Incidents (LFI) process including:
• Reluctance to report incidents due to fear of disciplinary action or the perception that reporting does not lead to any change
This objective of the workshop is to establish learning from incidents and framework for OPAL to help organizations in Oman. The framework objectives are to reduce operational risk in a systematic and sustainable manner and to establish formal sharing method of learnings between organizations.

Dr. Ramesh Sivathanu, Quality, Health, Safety and Environmental Executive Manager and Management Representative, Oman Society for Petroleum Services (OPAL)

Anthony Sipkema, Asset Integrity Process Safety Incident Investigator & Coach, Petroleum Development Oman (PDO)

Ismail Al Maqrashi, Process & Process Safety Engineering Team Leader, BP Oman

15:30 Introduction and Objective of the Workshop
15:50 Break
16:00 Roundtable Discussion: Questionnaire - Asset Integrity and Process Safety Management (AI-PSM)
16:30 Summary and Recommendations

The Institution of Occupational Safety and Health (IOSH) Oman chapter/OPAL

17:00 End of Conference

**OPAL Oil & Gas Conference 2017**

**Tuesday, October 31, 2017 – Day Two**

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<th>Time</th>
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<tr>
<td>08:00</td>
<td>Registration and Networking</td>
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<td>08:30</td>
<td>Organizers Welcome Address</td>
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<td><strong>Musallam Al Mandhari</strong>, Chief Executive Officer, OPAL</td>
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**Session 3:** Regulations and Standards

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<tr>
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<tr>
<td>08:40</td>
<td>Keynote Presentation: Developing a Well-regulated Upstream Oil and Gas Sector in Oman – Analysing the High-level Regulations Governing all Facets of the Upstream Hydrocarbon Activities</td>
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<td><strong>Dr. Anwar Al Kharusi</strong>, (Presently on a special Assignment), Oman Oil Company SAOC</td>
</tr>
<tr>
<td>09:10</td>
<td>Why Do We Need Hydrocarbon Regulation Excellence?</td>
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<td><strong>Brad Hubbard</strong>, Lead Training Coordinator, International Centre of Regulatory Excellence (ICORE)</td>
</tr>
<tr>
<td>09:40</td>
<td>Understanding How Petroleum Regulations Can Boost Safety, Efficiency and Optimize the Nation’s Hydrocarbon Resources</td>
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<td><strong>Hamood Al Sawafi</strong>, Drilling Engineer, Ministry of Oil &amp; Gas</td>
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<tr>
<td>10:10</td>
<td>Interactive Panel Session: Discussing How the New Regulation will Contribute to the Goal of Boosting Efficiency, Safety and Operational Security in All Areas of the Industry’s Upstream Business</td>
</tr>
<tr>
<td></td>
<td><strong>Panelists:</strong> <strong>Dr. Anwar Al Kharusi</strong>, (Presently on a special Assignment), Oman Oil Company SAOC <strong>Brad Hubbard</strong>, Lead Training Coordinator, International Centre of Regulatory Excellence (ICORE)</td>
</tr>
</tbody>
</table>
does not lead to any change challenges at several stages in the Learning from Incidents (LFI) process including:

• Protecting your critical assets - Redefining Cybersecurity
• Investing and optimizing the cyber security of our industrial control systems (ICS)
• Analysing how the oil and gas industry is transforming towards an agile industry through innovation and ever evolving operational excellence strategies
• Discussing critical short and long term factors that will shape the future of Oman’s oil and gas technologies and its smart application
• Analysing the importance of the regulatory reforms for the continued progress of Oman’s Oil and Gas Sector

Session 4: ICV (Supply Chain and HR)

11:00 Understanding the ICV Strategy. New strategies: Vendor Development Program, Ring-fencing, ICV Systems?

Amer Al Sinani, In Country Value (ICV) Strategy Lead - ICV Program Management Office (PMO), Ministry of Oil & Gas (MOG)
Suleiman Al Saifi, In Country Value(ICV) HR Lead, Program Management Office (PMO), Ministry of Oil and Gas
Bader Al Rahbi, ICV Monitoring & Reporting, ICV Dashboard, JSRS, ICV Program Management Office, Ministry of Oil & Gas (MOG)

11:30 Managing the Balancing Act of Supporting Entrepreneurship and Becoming More Cost-Efficient Under the Current Lower Oil Price Environment

Salman Maimani, Well Engineering Contracts Manager, Petroleum Development Oman (PDO)

11:50 Presenting the Role of Change Management to Support the Oil & Gas Sector with the ICV Agenda and in Changing Mind Sets to Deliver Sustainable Return on Investment

Dr. Raied Abdulkarim, Manager Integration and Change Management, ORPIC (Oman Oil Refineries and Petroleum Industries Company)

12:10 Public-Private Sector Corporation in the Development of a National Technician Apprenticeship Program

Kevin Watson, ICV Executive Manager, Oman Society for Petroleum Services (OPAL)

12:30 Oman LNG’s Journey in Resourcing Readiness Plan 2018 Project

Mahmood Al Hadidi, Talent Management and Recruitment Manager, Oman LNG

12:50 Networking Lunch

13:50 Understanding the Role of a Sectorial Society in the Development of National Cadres

Dean Fox, International Business Development Consultant, The Science, Engineering and Manufacturing Technologies Alliance (SEMTA)

14:10 Creating a More Autonomous Workplace

Tom Owen, International Business Development, Institution of Mechanical Engineers (IMechE)

14:30 Comprehensive Strategy to Hire, Develop and Progress Competent Omanis to Handle Challenging Roles

Hilal Al Yarubi, Talent Management Manager, Occidental of Oman

14:50 Interactive Panel Session: ICV, What Is Next?

Panelists:

Amer Al Sinani, In Country Value (ICV) Strategy Lead - ICV Program Management Office (PMO), Ministry of Oil & Gas (MOG)
Dr. Raied Abdulkarim, Manager Integration and Change Management, ORPIC
Mohammed Al-Ghareebi, In-Country Value Development Manager, Petroleum Development Oman (PDO)
Kevin Watson, ICV Executive Manager, Oman Society for Petroleum Services (OPAL)
Hilal Al Yarubi, Talent Management Manager, Occidental Oman
Mohammed Al Mukhainy, In-Country Value Manager, Oman LNG
This workshop aims to understand the different models that organizations utilize to analyze the experience to hear the phrase “We must learn lessons from this” following a major accident, or a more

HSE Workshop - Effective Learning from Major Process Safety Incidents

OPAL
14:10   Closing Remarks
Notis Iliopoulos
WSP
Deloitte
Trowers & Hamlins
Syamak Bahmanyar
Gulf Business Machines (GBM)
Occidental of Oman
Abdulaziz Alzaabi,
, Director of Security Operation,
Information Technology Authority (ITA)

Panelists:
• Protecting your critical assets - Redefining Cybersecurity
• Cyber Security: What to protect and at what cost?

Industries and Drives,
13:20   Digitalization and Cybersecurity in an Energy and Oil & Gas Context
, Partner,

12:40   Response to a Breach of Cybersecurity from a Legal Perspective

12:20   Gaining Visibility and Mitigating Your Risk Via Your Security Operations Center for the Oil & Gas

Mohammed Al Mukhainy
In-Country Value Manager,
Hilal Al Yarubi,
Talent Management Manager,
Occidental Oman
Kevin Watson
Petroleum Development
Manufacturing Technologies Alliance (SEMTA)
The Science, Engineering and

15:10   OPAL HSE Standards (Road Safety standard, Camp Standard and Heat Stress Management Standard)
Presented by:
Kamil Al Dhamri, Corporate Road Safety Advisor, Petroleum Development Oman (PDO)
Jafar Al Nadabi, Road Safety Advisor, Occidental Oman
Sulaiman Al Sulaimi, HSE Team Lead, Oman Oil Company Exploration & Production LLC
Tariq Al Sabahi, Industrial Hygiene Advisor, BP Oman
Moderator: Dr. Ramesh Sivathanu, QHSE Executive Manager, Oman Society for Petroleum Services (OPAL)

15:30   Chairman’s Closing Remarks

18:30 Gala Dinner Reception (For invited guests)
18:40   Chief Guest Remarks
His Excellency Salim bin Nasser bin Said Al Auifi, Undersecretary, Ministry of Oil & Gas
18:50   CEO Panel Session: Oman’s Oil & Gas Industry Forecast and Action Plan up till 2020
• Analysing the importance of the regulatory reforms for the continued progress of Oman’s Oil and gas industry
• Driving Digital Innovation in Oil & Gas: Understanding the importance of harnessing the power of technologies and its smart application
• Discussing critical short and long term factors that will shape the future of Oman’s oil and gas markets
• Analysing how the oil and gas industry is transforming towards an agile industry through innovation and ever evolving operational excellence strategies
• Understanding the importance of Innovative approaches to retaining and recruiting talent for the future of Oman’s oil and gas industry
Panel Moderator:
Mohammed Al Kharusi, Chairman, Intersearch ME Oman
Panelists:
His Excellency Salim bin Nasser bin Said Al Auifi, Undersecretary, Ministry of Oil & Gas
Raoul Restucci, Managing Director, Petroleum Development Oman (PDO)
Steve Kelly, President and General Manager, Occidental of Oman Inc. (OXY Oman)
John Malcolm, Executive Managing Director, Oman Oil Company Exploration & Production (OOCEP)
Yousuf Al Ojaili, President, BP Oman
Dr. Amer Al Rawas, Chairman, Oman Society for Petroleum Services (OPAL)
Mohammed Al Jahwari, Chief Executive Officer, HydroCarbon Finder Oman (HCF)
19:40   Gala Dinner
20:30   End of Gala Dinner