

# Oil & Gas ITWeek

**6 – 9 October 2013**  
The Westin Abu Dhabi Golf Resort & Spa, UAE

Book and pay before  
26 August 2013  
and save up to  
US \$400

## IT in the Oil & Gas Industry

In the past few decades, information technology has transformed the energy industry from just being wellheads to massive executive headquarters. The industry is now looking forward to advanced technologies especially dealing with accurate and real-time collation, transmission and processing of data for better decision-making. Automations and communication technologies including fibre optic networks and wireless solutions have changed the way the oil, gas, petrochemical, power and utilities industries function for improved asset tracking with the highest level of IT security necessary for its protection.

Combining several distinct conferences focusing on the individual elements of IT in oil and gas, the **Oil & Gas IT Week** brings multiple sessions together that will see up to 300 experts from the fields of **Cyber Security, Big Data, Fibre Optics and Communication & Instrumentation** all under one roof at the same time.

## What do our past attendees say?

*"Excellent boost in knowledge and experience sharing among peers and solution suppliers"* **KOC**

*"Well organized with good quality of delegates and speakers"* **ABB**

*"An excellent opportunity for exchanging ideas and transferring knowledge about an important topic"*  
**Saudi Aramco**

*"A vital forum for Middle East operators to share knowledge and common solutions"* **ADMA-OPCO**

*"The event is very useful in getting up-to-date knowledge and techniques in the oil and gas sector"* **Worley Parsons**

*"The event presents a great opportunity to share learning across the industry and an opportunity to network with fellow professionals"* **TNK-BP**

*"Good platform to network and discuss with peers"*  
**Dubai Petroleum**

*"Great summit which provides key experts from various fields who share in-depth experiences from their respective fields"* **Petronas**

*"The event was well organized and a lot of expert instructors were sharing their experiences with the attendees"* **Tatweer Petroleum**

### Schedule

#### Sunday, 6 October 2013

Plenary Session

#### Monday, 7 October 2013

Hall 1: Cyber Security  
Hall 2: Communication and Instrumentation

#### Tuesday, 8 October 2013

Hall 1: Cyber Security  
Hall 2: Communication and Instrumentation

#### Wednesday, 9 October 2013

Hall 1: 6th Annual Big Data

Join the debate to have your say and learn from the experts

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# Plenary Session Schedule

**Day 1: Sunday, 6 October 2013**

## Plenary Session

The Oil & Gas IT Week Conference and Exhibition will open with an exclusive plenary session joining 300 experts from the fields of cyber security, big data, fibre optics and communication & instrumentation all under one roof. The plenary session will address:

- 1) Expanding role of IT and communication in the oil, gas and energy sectors
- 2) How to derive higher profits, enhanced productivity and reduced HSE issues through IT advancements
- 3) How to protect assets from IT security threats
- 4) The future of IT in oil and gas: Beyond 2020

Understanding the GCC's role and best practices to stave off cyber terrorism, discussing IT visions of major international and national oil companies until 2020 and expanding the role of information technology to generate higher profits and enhance productivity will be the main points of business networking and discussions.

08:00 **Registration**

09:00 **Official opening of the exhibition and tour**

09:30 **Keynote Inaugural Speech:**  
*Mohamed Akoum, VP IT, ADCO (invited)*

10:00 **Keynote Speech: Maersk Oil Qatar's 2020 IT Vision**  
*Stephen Ashley, IT Solutions Director, Maersk Oil Qatar*

10:30 **Networking coffee break at the exhibition**

11:00 **Keynote Speech: Expanding the role of information technology and communication in the oil and gas sector**  
*Mohamed Al Sawafi, Head of IT Services, GASCO*

11:30 **Keynote Speech on enhancing IT security**  
*Head of Cyber Security- Energy & Utilities, IBM*



12:00 **How to derive higher profits, enhanced productivity and reduced HSE issues through IT advancements and increasing IT security**  
*Slot reserved for sponsor*

12:30 **Networking lunch**

13:30 **Keynote speech: GCC's best practices to counter cyber terrorism and its role to protect energy assets**  
*His Excellency Khaled Al Mansoori, President, International Association of Emergency Managers*

14:00 **Linking critical infrastructure security and industrial cyber security – Is there a cyber tsunami in waiting?**  
*Samuel Linares, Director, Center of Industrial Cyber Security*

14:30 **Chairperson's closing remarks and end of plenary session**

15:10 **Networking coffee break at the exhibition**



## Official Advisors:

- Oscar Ramirez, Sr. Telecom Engineer, Automation & Smart fields dept, ADCO, UAE
- Seth Bromberger, Principal, NCI Security, United States
- Art Fuller, Cyber Security Expert, BEMA, United States
- Margaret Ballad, Cyber Security Expert, BEMA, United States
- Samuel Linares, Director, Center of Industrial Cyber Security, Spain
- Muhammad Sajith, Head of ICT, Infrastructure and Operations, Emirates Aluminum
- Koreich Abdul Rahman, Sr. Engineer Operations Support Group, KOC
- Ali Rebaie, Independent Big Data Analyst & Principal Consultant, Rebaie Analytics Group



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## Distinguished Speakers and Advisory Board:



**His Excellency Khaled Al Mansoori**, President, International Association of Emergency Managers



**Mohamed Akoum**, VP IT, ADCO (invited)



**Fuad Al Ansari**, VP IT, Takreer



**Stephen Ashley**, IT Solutions Director, Maersk Oil Qatar



**Mohamed Al Sawafi**, Head of IT Services, GASCO



**Samuel Linares**, Director, Center of Industrial Security



**Husain Al Saeedi**, Head of SCADA and Assets Management, Chief Engineer Operations Contracts Management and Maintenance Project Manager, Abu Dhabi Municipality



**Fayez Kharbat**, Engineering and Knowledge Resources Division, Saudi Aramco



**Sadoun Al Khaledi**, TL Operations Technical Services Team, KOC



**Srinivas Kumar Vaidyula**, Specialist Process Engineer Operations Technical Services Team, KOC



**Koreich Abdul Rahman**, Sr. Engineer Operations Support Group, KOC



**Seth Bromberger**, Principal, NCI Security



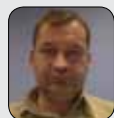
**Ingo**, Lifecycle Business Development Manager – Control Technologies Middle East and Africa, ABB



**Vivek Sharma**, MCIT OFC Backbone Project Manager – World Bank Funded ICT Sector Development, Ministry of Communications and IT



**Rajendranath**, Fibre Optics Specialist, Fiber Optic Association



**Fergal Concannon**, Fibre Optics Specialist, Fiber Optic Association



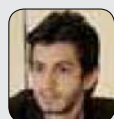
**Suleiman Al Khayari**, Supervisor IT & Telecom, PDO



**Gerhard Greeff**, Divisional Manager - Process Management & Control, Manufacturing Enterprise Solutions Association (MESA International)



**Oscar Ramirez**, Sr. Telecom Engineer, Automation & Smart Fields Dept, ADCO, UAE



**Ali Rebaie**, Independent Big Data Consultant, Rebaie Analytics Group



**Ananth Seshan**, Chairman Asset Performance Management Group, Manufacturing Enterprise Solutions Association (MESA International)



**Bruno De Block**, VP Sales & Marketing, OTN Systems



**Roy Drakos**, Director of International Business Development Mobile Satellite Services, Viasat

- **Omar Bamatrafi**, Head of Data Management, GASCO
- Head of Cyber Security- Energy & Utilities, IBM
- **Mohamed Ruwaid Zumla**, Cyber & Information Security Division, Qatar Petroleum
- **Gurpreet Kochar**, Head of Technology/Process Information Systems Audit, Emirates Airlines and President of ISACA UAE Chapter
- **David Roberts**, Director, RUSI Qatar
- **Hariprasad Chede**, Information Security Head, National Bank of Fujairah and ISACA (23)
- **Timothy Goodrich**, Cyber Security Specialist, BEMA
- **Erick Nickerson**, Cyber Security Specialist, BEMA
- **Khalid Murtada**, Data Network Division, Saudi Aramco
- **Khaled Darwish**, Sr. Telecom Engineer – SCADA, Al Ain Distribution Company
- **Art Fuller**, Cyber Security Expert, BEMA, United States
- **Margaret Ballad**, Cyber Security Expert, BEMA, United States
- **Muhammad Sajith**, Head of ICT, Infrastructure and Operations, Emirates Aluminum

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# 2<sup>nd</sup> annual CYBER SECURITY FOR ENERGY & UTILITIES

**Plenary Session: 6 October 2013**  
**Cyber Security Session: 7-8 October 2013**

Oil & Gas IT Week Conference and Exhibition: 6-9 October 2013  
The Westin Abu Dhabi Golf Resort & Spa, UAE

The Middle East's leading cyber security event dedicated to defending critical data and information infrastructure within the oil and gas, petrochemical and utilities sectors.

After a very successful launch of the Cyber Security event last year in Qatar, IQPC is pleased to bring the **2nd Annual Cyber Security for Energy and Utilities** taking place from **7 – 8 October 2013** in **Abu Dhabi**. The recent cyber attacks have created a state of high alert for most oil and gas companies, who are heavily investing in establishing the most comprehensive security systems for their assets and digital infrastructures. Managing security of networks and wireless communication systems, as well as defending the IT infrastructure from external virus attacks and internal compatibility threats, is a top priority for oil, gas, petrochemical and utility companies. At the launch event last year, Omar Sherin, the NICII Manager from ICT Qatar, delivered a welcome speech in which he outlined the reasons for holding such an event which included promoting cyber security awareness, addressing cyber security risks, threats and mitigation controls, presenting latest trends in cyber security and equipping participants with the required information and knowledge to protect themselves against increasingly sophisticated cyber threats.

This year, the event will unveil the emerging threats of cyber security, determine ways to protect critical infrastructure, manage external risks and internal software and malware compatibility issues that arise after implementing fresh technologies and build a comprehensive information and cyber threat intelligence system. This event has been endorsed by 5 top-level cyber security organisations and is a part of the most awaited Oil & Gas IT Week Conference and Exhibition to be held from 6 – 9 October 2013.

## Exclusive keynote speeches from:

Fuad Al Ansari, VP IT, [Takreer](#)

Mohamed Ruwaid Zumla, Cyber & Information Security Division, [Qatar Petroleum](#)

Roy Drakos, Director of International Business Development Mobile Satellite Services, [Viasat](#)

David Roberts, Director, [RUSI Qatar](#)

Gurpreet Kochar, Head of Technology/Process Information Systems Audit, [Emirates Airlines and President of ISACA UAE Chapter](#)

Seth Bromberger, Principal, NCI Security, [United States](#)

Tim Goodrich, Cyber Security Specialist, [Black Emergency Managers Association](#)

Samuel Linares, Director, [Center of Industrial Cyber Security](#)

Hariprasad Chede, Information Security Head, [National Bank of Fujairah and ISACA](#)

Erick Nickerson, Cyber Security Specialist, [Black Emergency Managers Association](#)

## This leading event aims to:

- Identify emerging threats of cyber security
- Determine ways to protect critical infrastructures
- Help to manage external risks and internal malware compatibility issues
- Ensure to build a comprehensive cyber threat intelligence system

## You should attend if you are:

- IT Infrastructure Manager
- IT Application Manager
- Chief Information Officer (CIO)
- Chief Security Officer (CSO)

## For more information or to register:

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**Monday, 7 October 2013**

08:00 **Registration**

08:50 **Chairperson's opening remarks**

### Emerging threats and developing IT security

#### 09:00 **Cyber terrorism and its impact on energy policies**

- Discussing recent cyber attacks on major companies
- Understanding the changing face of cyber threats on critical infrastructure
- Preparing people and infrastructure for a change in the energy policies

*David Roberts, Director, RUSI Qatar*

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#### 09:30 **Keynote Cyber Security Session by ViaSat**

*Roy Drakos, Director of International Business Development Mobile Satellite Services, Viasat*



#### 10:00 **Building a comprehensive cyber security system: Studying the "capability maturity model" of the US electric sector now being extended to the oil and gas industry**

- Developing IT security systems for managing critical infrastructure
- Categorising critical and non-critical elements in the plant environment
- Monitoring an electric utility meter network that can be extended to the oil and gas industry

*Seth Bromberger, Principal, NCI Security, United States*

10:30 **Networking coffee break**

### SCADA control systems and cloud computing risk management

#### 11:00 **How to reduce risk of cyber security on DCS/SCADA networks while capitalizing on the plant information system data**

KEYNOTE SPEECH

- Developing a comprehensive network-based security for control systems
- Using relevant and reliable plant information data for effective decision-making
- Reducing risk of cyber security to industrial control systems

*Fuad Al Ansari, VP IT, Takreer*

#### 11:30 **Compliance and risks: Integration for information, cyber, ICT and ICS/SCADA security**

KEYNOTE SPEECH

- Discussing drivers for security, and how to balance compliance and risks
- Managing the evolving landscape for cyber security
- Reconsidering ICT, Information and ICS/SCADA security

*Mohamed Ruwaid Zumla, Cyber & Information Security Division, Qatar Petroleum*

#### 12:00 **Managing risks related to cloud computing**

- Understanding risks posed to assets before moving them into a cloud
- Building an effective risk management system for assets in a cloud
- Putting in place logical, physical, personnel and process security controls

*Gurpreet Kochar, Head of Technology/Process Information Systems Audit, Emirates Airlines and President of ISACA UAE Chapter*

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12:30 **Networking lunch**

#### 13:30 **Exclusive presentation from ABB**

*Ingo Patzer, Lifecycle Business Development Manager – Control Technologies Middle East and Africa, ABB*



#### 14:00 **Panel discussion: Think like a hacker to defeat a hacker**

- Looking at various levels of penetration into sensitive data: Spoofing, fishing, encrypted data, password managers, firewalls, etc.
- Discovering hidden virtual networks within a plant network or personnel devices
- Thinking of impacting maximum damage

*Seth Bromberger, Principal, NCI Security, United States*

*Gurpreet Kochar, Head of Technology/Process Information Systems Audit, Emirates Airlines and President of ISACA UAE Chapter*

*Tim Goodrich, Cyber Security Specialist, Black Emergency Managers Association*

14:30 **Chairperson's closing remarks**

**Tuesday, 8 October 2013**

08:00 **Registration**

08:50 **Chairperson's opening remarks**

### Incident management, governance and industrial cyber security

#### 09:00 **Pragmatic approach to a solid incident management system**

- Recognising the need to develop incident management systems
- Considering financial and business implications of building an incident management system
- Building an advanced incident management system for effective damage control

*Hariprasad Chede, Information Security Head, National Bank of Fujairah and ISACA*

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09:30 **Devising a robust security control management system**

- Designing and mapping a structure of security controls
- Ensuring isolation for external devices and controls to manage security
- Integrating devices and mapping IT security compatibility to avoid system crashes

*Tim Goodrich, Cyber Security Specialist, Black Emergency Managers Association*

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10:00 **Governance, Risk and Compliance (GRC) for an effective cyber security system**

- Aligning organizational policies as per corporate governance decisions
- Using past incidents to develop a risk and compliance-based IT security programme
- Compiling GRC data based on effective business intelligence solutions

*Senior Representative, ISACA*


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10:30 **Networking coffee break at the exhibition**

11:00 **Protecting digital assets**

- Deploying successful technologies for privacy and digital protection
- Embracing uniform models for evaluating security and performance of algorithm tools
- Developing modern methods of protecting assets against cyber attacks

*Erick Nickerson, Cyber Security Specialist, Black Emergency Managers Association*

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11:30 **Overcoming cyber security challenges in cloud computing**

- Identifying reasons why cyber crooks enjoy the cloud
- Managing data breaches in a highly sensitive environment
- Discussing the open cloud manifesto

*Slot reserved for sponsor*

12:00 **Building authentic communication systems for end users to have a smooth information processing environment**

- Building core systems of information security
- Identifying threats as a part of the Certified Information Systems Auditor Program (CISA)
- Setting thresholds to recognise authentic and sensitive data

*Slot reserved for sponsor*

12:30 **Networking lunch**

**Exclusive industrial cyber security workshop on Wednesday, 8 October 2013 (Workshop room)**

13:30 - 15:30 **Navigating through the industrial security landscape**

Critical infrastructures are systems and assets, whether physical or virtual, so vital to nations that the incapacity or destruction of such systems and assets would have a debilitating impact on security, national economic security, national public health or safety, or any combination of those matters. Their protection is not only needed and recommended, but obligatory since the publication of different regulatory frameworks and national and international directives all over the world. To analyse and understand the associated risk to these infrastructures and their basic relationship with industrial control systems is a must for any security professional involved in different areas, such as ICT, energy, chemical and nuclear industry, financial systems, public administration or transport, amongst others.

This workshop will help participants analyse best practices in critical infrastructure protection and industrial cyber security from around the world. A global approach to the security management in these type of organizations will be made including topics on regulations, legislation, standards, initiatives, management frameworks and applicable technologies. At the end of the day the participant will have the information and tools needed to further develop their systems for better supervision, management and implementation of the value-adding technical and organizational measures needed.

After completing this workshop, you will be able to:

1. Identify and define the concepts behind the critical infrastructures protection and industrial control systems security, their definitions and relationships, analysing the risk and impact on business through different perspectives: compliance, technology and security.
2. Discover and analyse international level regulations, initiatives, standards, sectors, organizations, methodologies etc.

3. Detect and analyse the current situation of security in the industrial sector and environments and various threats, vulnerabilities and associated risks of industrial control systems.
4. Discuss important organizational and management issues: IT Manager vs CSO/CISO vs Plant Manager vs Manufacturing Manager. Design and propose a management framework appropriate to the critical infrastructures and industrial organisations.
5. Identify, describe and adopt frameworks and standards applicable to various industrial settings: ISO 27001, BS 25999, ISA 99, NIST SP 800-82

**Workshop Leader: Samuel Linares, Director, Center of Industrial Security (CCI)**



**Supporting Association:**



The Industrial Cyber Security Centre (CCI) is an independent non-profit organization whose mission is to improve industrial cyber security by developing analysis, studies and information interchange about practices, processes and technologies designed to manage the cyberspace's risk derived from the use, process, storage and transmission of information handled by organizations and critical infrastructures that are an important part of nowadays society.

CCI is the independent meeting point in the Spanish-speaking world, for information and experiences interchange for private and public companies as well as professionals related to Industrial Cybersecurity who want to improve this aspect in the industrial sectors.

15:30 **Chairperson's closing remarks**

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# COMMUNICATION & INSTRUMENTATION

## FIBRE OPTICS IN ENERGY

**Plenary Session: 6 October 2013**

**Communication & Instrumentation: 7-8 October 2013**

Oil & Gas IT Week Conference and Exhibition: 6-9 October 2013. The Westin Abu Dhabi Golf Resort & Spa, UAE

### Exclusive keynote speeches from:

Husain Al Saeedi, Head of SCADA and Assets Management, Chief Engineer Operations Contracts Management and Maintenance Project Manager, [Abu Dhabi Municipality](#)

Sadoun Al Khaledi, TL Operations Technical Services Team, [KOC](#)

Oscar Ramirez, Sr. Telecom Engineer, Automation & Smart Fields Dept, [ADCO, UAE](#)

Srinivas Kumar Vaidyula, Specialist Process Engineer Operations Technical Services Team, [KOC](#)

Muhammad Sajith, Head of ICT, Infrastructure and Operations, [Emirates Aluminium](#)

Koreich Abdul Rahman, Sr. Engineer Operations Support Group, [KOC](#)

Khaled Darwish, Sr. Telecom Engineer, [Al Ain Distribution Company](#)

Suleiman Al Khayari, Supervisor IT & Telecom, [PDO](#)

Vivek Sharma, MCIT OFC Backbone Project Manager – World Bank Funded ICT Sector Development, [Ministry of Communications and IT](#)

Bruno De Block, VP Sales & Marketing, [OTN Systems](#)

### This Communication & Instrumentation conference aims to:

- Help effective and unified communication systems using wireless and wired technologies
- Ensure smooth communication with the best of the technologies and encourage automation
- Identify best practices of design, development, installation and maintenance of fibre optic networks in harsh environments
- Help organisations develop the “Bring your own device” concept
- Manage large sections of devices with the highest level of security and efficiency in performance
- Build centralised communication units to manage remote and offshore assets without any interruptions

### You should attend if you are:

- SCADA and DCS Engineer / Manager/ Head of SCADA
- Telecom Engineer / Manager/ Head of Telecom
- IT Technical Services Engineer / Manager / Head of IT Technical Services
- Automation Engineer / Manager / Head of Automation
- Network Engineer / Manager / Head of Networks
- Control Engineer / Manager
- Instrumentation Engineer / Manager / Head of Instrumentation
- Tpl Specialist / Engineer / Manager
- Electrical Engineer/ Head of Electrical

### For more information or to register:

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email: **[enquiry@iqpc.ae](mailto:enquiry@iqpc.ae)**

web: **[www.communicationandinstrumentation.com](http://www.communicationandinstrumentation.com)**

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"Supervisory Control and Data Acquisition" or SCADA systems are now in place in the majority of the world's facilities, especially where large-scale automation is a key constituent. For many firms, a key challenge is therefore ensuring change is effectively managed with seamless upgrades and optimising the SCADA or DCS system to ensure better communication networks and threats are countered with advanced security measures. Integrating digital oilfields or smart fields with modern communication technologies have been planned and implemented across major companies in the region. The automated integration of wireless and wired communication systems within a plant's network, backed up with a resilient SCADA system, is the need of the hour for oil, gas, petrochemical, utility and electricity companies.

After organising successful conferences on SCADA, fibre optics, wireless technology and Machine-to-Machine (M2M) technology for the past 3 years, IQPC is proud to bring you the **Communication & Instrumentation** conference taking place from **7 - 8 October 2013** at **The Westin Abu Dhabi Golf Resort and Spa** in Abu Dhabi, UAE. This conference is a part of the most awaited **Oil & Gas IT Week Conference and Exhibition** to be held from **6 - 9 October 2013**.

## Monday, 7 October 2013

08:00 **Registration**

08:50 **Chairperson's opening remarks**

### Automations, network and enterprise integration and wireless systems

09:00 **Building and developing an effective automation system**

- Integrating effectively diverse communication devices with automations
- Enhancing the role of SCADA and fibre optic networks within a plant's environment
- Developing and upgrading existing automation systems to support versatile domains

*Muhammad Sajith, Head of ICT, Infrastructure and Operations, Emirates Aluminium*

09:30 **Developing secure and reliable communication networks in a plant network**

- Understanding the characteristics of a plant network to identify potential devices and networks for integrating with smart fields
- Automating networks and installing a solid telecom structure to support multiple communication systems
- Creating an integrated and automated smart field environment under a secure umbrella

*Oscar Ramirez, Sr. Telecom Engineer, Automation & Smart Fields Dept, ADCO, UAE*

10:00 **Building a comprehensive wireless system within a plant network**

- Making sure physical assets are compatible with the wireless system
- Building effective automation mechanisms
- Ensuring a high level of security for wireless systems

*Slot reserved for sponsor*

10:30 **Networking coffee break at the exhibition**

### Fibre optics, M2M, e-learning transformation and telemetry units

11:00 **Installing fibre optic networks in harsh environments and overall project management**

- Designing and installing a fibre optic network in adverse conditions
- Developing a robust maintenance strategy for these networks
- End-to-end project management

*Vivek Sharma, MCIT OFC Backbone Project Manager – World Bank Funded ICT Sector Development, Ministry of Communications and IT*

11:30 **Discussing preventive maintenance strategies of fibre optic networks**

- Categorising critical and non-critical devices in a fibre optic network
- Using a maintenance checklist and verifying inventory
- Managing physical maintenance and network device maintenance

*Suleiman Al Khayari, Supervisor IT & Telecom, PDO*

12:00 **Implementing an integrated Machine-to-Machine (M2M) technology**

- Tackling two major issues of security and compatibility
- Ensuring M2M technology is applied across various layers of business, network and system architecture
- Integrating all applications with M2M technology

*Slot reserved for sponsor*

12:30 **Networking lunch**

13:30 **Using digital information for human development and e-learning transformation**

- Educating and exposing oil and gas professionals to e-learning techniques to uplift skills
- Enabling professionals to be a part of the rapidly evolving e-learning transformation on virtual platforms
- Enhancing skills of engineers to overcome the deficit caused by retirement of experienced engineers

*Sadoun Al Khaleedi, TL Operations Technical Services Team, KOC*

*Srinivas Kumar Vaidyula, Specialist Process Engineer Operations Technical Services Team, KOC*

14:30 **Chairperson's closing remarks**

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**Tuesday, 8 October 2013**

08:00 **Registration**

08:50 **Chairperson's opening remarks**

### **SCADA/DCS systems, integrated digital oilfields and controlling fibre optics lifecycle costs**

09:00 **Award winning presentation: SCADA migration to current technology**

- Embracing modern technological means of migrating SCADA technology to various projects
- Facilitating maintenance and immediate response to emergency accidents
- Monitoring water flow, physical monitoring, detecting operational faults and network technical issues and directing emergency teams to these locations

*Husain Al Saeedi, Head of SCADA and Assets Management, Chief Engineer Operations Contracts Management and Maintenance Project Manager, Abu Dhabi Municipality*

### **Awarded as the Best Pioneer Scheme for Technology Applications and Asset Management Award across the GCC and Middle East through its SCADA System and Asset Management Control Project**

09:30 **Kuwait Oil Company case study: Kuwait Integrated Digital Field Project (KWIDF)**

- Introducing the KWIDF project: Wells, instrumentation and IT infrastructure
- Collaborating "Smart Workflows": Improving asset team performance
- Delivering value by increasing production and preventing pump failure

*Koreich Abdul Rahman, Sr. Engineer Operations Support Group, KOC*

*Sadoun Al Khaledi, TL Operations Technical Services Team, KOC*

10:00 **Optimising fibre optic lifecycle costs in the longer run**

- Using network predictability to eliminate risks in project planning
- Achieving a network design to minimise maintenance costs and decrease downtime
- Supporting upgrades for the next 15-20 years

*Bruno De Block, VP Sales & Marketing, OTN Systems*



10:30 **Networking coffee break at the exhibition**

11:00 **Building effective telemetry system units between the control systems and a remote communication server**

- Interfacing physical objects to the SCADA system
- Building a comprehensive architecture: Power supply, digital and analog inputs and outputs, software and logic control
- Developing communication units between IEDs (Intelligent End Devices) to the central monitoring stations

*Khaled Darwish, Sr. Telecom Engineer, Al Ain Distribution Company*

11:30 **Slot reserved for Fiber Optic Association**

*Fergal Concannon, Fibre Optics Specialist, Fiber Optic Association*

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12:00 **Cabling maintenance and replacement techniques**

- Re-arranging cables across networks
- Labelling cables based on device health status
- Replacing damaged cables

*Rajendranath, Fibre Optics Specialist, Fiber Optic Association*

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12:30 **Networking lunch**

### **Instrumentation measurements and wireless versus fibre**

13:30 **Using effective instrumentation tools for flow meters in chemical injection, density measurements, temperature instrumentation and pressure instrumentation measurements**

- Using flow meters effectively
- Developing tools necessary for a smooth functioning and monitoring of flow meters
- Improving efficiency of operations using process instrumentation tools effectively

*Slot reserved for sponsor*

14:00 **Panel discussion: Do I use wireless or fibre?**

- Discussing advantages of fibre as well as wireless
- Allowing faster and more effective testing of multiple devices
- Customising it as per the project requirements

*Khaled Darwish, Sr. Telecom Engineer, Al Ain Distribution Company*

*Oscar Ramirez, Sr. Telecom Engineer, Automation & Smart Fields Dept, ADCO, UAE*

*Koreich Abdul Rahman, Sr. Engineer Operations Support Group, KOC*

*Fergal Concannon, Fibre Optics Specialist, Fiber Optic Association*

*Muhammad Sajith, Head of ICT, Infrastructure and Operations, Emirates Aluminium*

14:30 **Chairperson's closing remarks**

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# 6th Annual BIG DATA

**Plenary Session: 6 October 2013**

**Big Data Session: 9 October 2013**

Oil & Gas IT Week Conference and Exhibition: 6-9 October 2013.

The Westin Abu Dhabi Golf Resort & Spa, UAE

## Exclusive presentations from:

Omar Bamatraf, Head of Data Management, **GASCO**

Fayez Kharbat, Engineering Knowledge and Resources Division, **Saudi Aramco**

Khalid Murtada, Data Network Division, **Saudi Aramco**

Ananth Seshan, Chairman Asset Performance Management Group, **Manufacturing Enterprise Solutions Association (MESA International)**

Ali Rebaie, Independent Big Data Analyst & Principal Consultant, **Rebaie Analytics Group**

Gerhard Greef, Divisional Manager - Process Management & Control, **Manufacturing Enterprise Solutions Association (MESA International)**

*And many more...*

## This 6th Annual Big Data conference aims to:

- Help companies develop a comprehensive data management strategy
- Determine how to intelligently process and analyse data
- Know how to overcome data leakage and centralise data collection
- Learn to effectively automate knowledge and data management

Any organisation's operational efficiency is driven by actions implemented after studying historical data. The trends on data accumulated can be a good catalyst to forecast futuristic trends thus enabling organisations to equip themselves to be fully prepared to handle emergencies and plan for the future business. An efficient organisation will always pride itself on 3 major data management terms – data storage, data transmission and using relevant data for better decision making. Enterprise data management, well logging data analysis, data monitoring of surveillance systems and many more functions can be effectively managed by a central data management centre. Geoscience data accumulation can be potentially a good guide to develop businesses within the oil and gas industry. Apart from developing business intelligence using effective data management strategies, organisations also need to work on protecting their intellectual capital both from enterprise systems and manpower perspectives. Data security, privacy and building effective data dashboards are some of the top priorities of senior management, especially in the oil and gas industry.

After organising the Data and Knowledge Management conference successfully for 5 years and outlining successful data and information management strategies that have helped companies improve quality, accessibility and security and to retain knowledge within an organisation, IQPC is proud to bring you the **6th Annual Big Data conference on 9 October 2013** at the **Westin Abu Dhabi Golf Resort and Spa** in **Abu Dhabi, UAE**. This conference is a part of the most awaited Oil & Gas IT Week Conference and Exhibition to be held from 6 - 9 October 2013.

[www.oilandgasitweek.com](http://www.oilandgasitweek.com)

## You should attend if you are:

- Data Manager / Data Security Manager
- Enterprise IT Architect / Manager
- Chief Information Officer (CIO)
- Chief Data Officer (CDO)
- Geoscience Manager / Geologist
- Data Network Engineer / Manager
- Data management consultant
- Knowledge management consultant

For more information or to register:

phone: **+971 4364 2975**

fax: **+971 4363 1938**

email: **[enquiry@iqpc.ae](mailto:enquiry@iqpc.ae)**

web: **[www.datamanagementme.com](http://www.datamanagementme.com)**

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## Wednesday, 9 October 2013

08:00 **Registration**

08:50 **Chairperson's opening remarks**

### Business intelligence, impact analysis and visual data analytics

09:00 **Developing business intelligence in the oil and gas industry**

- Using the right data storage solutions
- Transforming data into information for better decision making
- Using an effective business intelligence framework

*Omar Bamatrafi, Head of Data Management, GASCO*

09:30 **Developing a comprehensive IT emergency response plan**

- Managing enterprise IT systems, data and applications
- Using effective business impact analysis tools and analysing the data
- Completing the 5 stage process to develop a comprehensive IT response plan

*Khalid Murtada, Data Network Division, Saudi Aramco*

10:00 **Tracking an oilfield performance by visual data analytics**

- Tracking huge volumes of data and using real-time data processing
- Using infrastructure visualisation to develop analytical dashboards
- Understanding feed-risk analysis and data capture for better decision-making involved with pipeline monitoring, asset operating status, geospatial analytics and other functions

*Ali Rebaie, Independent Big Data Analyst & Principal Consultant, Rebaie Analytics Group*

10:30 **Networking coffee break at the exhibition**

### Knowledge management, asset data management and dashboards

11:00 **Knowledge management and knowledge sharing: Promoting intellectual capital and assets and the power of knowledge sharing in achieving operational excellence**

- Setting the right framework for an effective knowledge management system
- Ensuring protection of intellectual capital and assets
- Promoting and safeguarding intellectual capital

*Fayez Kharbat, Engineering Knowledge and Resources Division, Saudi Aramco*

11:30 **The strategic importance of asset performance management to manage profitability**

- Using real time data streams, meta-data and non-real time master data
- Concept of asset performance management to transform a utility into excellence in a phased manner
- Driving high level operational effectiveness and profits by using data systems to drive actionable intelligence

*Ananth Seshan, Chairman Asset Performance Management Group, Manufacturing Enterprise Solutions Association (MESA International)*

Supported by:



12:00 **Applying Global MOM systems in a manufacturing 2.0 approach**

- Adopting new thinking for manufacturing enterprise companies and their software vendors
- Supporting intelligent equipment
- Introducing Mfg 2.0 as per the ISA-95 best practices working group

*Gerhard Greef, Divisional Manager - Process Management & Control, Manufacturing Enterprise Solutions Association (MESA International)*

Supported by:



12:30 **Networking lunch**

13:30 **Building dashboards for production and monitoring optimization**

- Using automated systems for real-time monitoring of data
- Using historical trends of high resolution data
- Optimising monitoring by building an effective graphical user interface

*Slot reserved for sponsor*

14:00 **Panel discussion: Overcoming challenges of enterprise architecture**

- Aligning functional business objectives with IT strategy and execution
- Discussing why the tasks of an enterprise architect have not been embraced by many organisations
- Driving the enterprise architecture culture change using big data mechanisms

*Fayez Kharbat, Engineering Knowledge and Resources Division, Saudi Aramco*

*Gerhard Greef, Divisional Manager - Process Management & Control, Manufacturing Enterprise Solutions Association (MESA International)*

*Ali Rebaie, Independent Big Data Analyst & Principal Consultant, Rebaie Analytics Group*

*Ananth Seshan, Chairman Asset Performance Management Group, Manufacturing Enterprise Solutions Association (MESA International)*

Supported by:



14:30 **Chairperson's closing remarks**

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# The best marketing budget you will spend this year...

As a sponsor you will benefit from an integrated marketing campaign before, at and after the event, both online and offline. The promotional activity committed by IQPC and 6 other supporting associations will showcase all our sponsors extensively throughout the life cycle of the event. The sooner you come on board, the longer the time you will benefit from our marketing campaign. IQPC is partnering with some of the region's key government departments, the big-hitting industry associations, and trade and business publications; your brand will be exposed to thousands of industry stakeholders from engineers to ministries and municipalities across the MENA region through our promotional campaigns.

The **Oil & Gas IT Week Conference and Exhibition** presents a host of sponsorship opportunities to suit every client's needs. These are exceptional opportunities that position your brand and business before the GCC's top oil, gas, petrochemical, power and utilities companies. Can you afford to miss this exciting opportunity?

Contact us on [sponsorship@iqpc.ae](mailto:sponsorship@iqpc.ae) or +971 4360 2800 to discuss different opportunities and help design a tailor-made package for you.



**IQPC** provides business executives around the world with tailored practical conferences, large-scale events, topical seminars and training programmes, keeping them up-to-date with industry trends, technological developments and the regulatory landscape. **IQPC** conferences are market leading "must-attend" events for their respective industries. **IQPC** produces more than 1,700 events annually around the world, and continues to grow. Founded in 1973, **IQPC** now has offices in major cities across six continents including: Bengaluru, Berlin, Doha, Dubai, Johannesburg, London, New York, Riyadh, Singapore, Sydney, Tampa, and Toronto. **IQPC** leverages a global research base of best practices to produce an unrivalled portfolio of conferences. [www.iqpc.ae](http://www.iqpc.ae)

## Who should sponsor?

If you are involved in:

- Information Technology
- Communication
- Automation and Control
- SCADA, DCS and M2M
- Cyber Security
- Data Management
- Networking
- Smart Fields and Digital Oilfields
- Instrumentation
- Operations
- Engineering
- Projects
- R&D
- Research and Technology
- Strategy
- Survey and Analysis

## Why should you sponsor?

If you want to meet the top GCC companies addressing:

1. **Expanding role of IT and communication in the oil & gas and energy sector**
2. **How to derive higher profits, enhanced productivity and reduced HSE issues through IT advancements**
3. **How to protect assets from IT security threats**
4. **The future of IT in oil & gas: Beyond 2020**

Then, **Oil & Gas IT Week Conference and Exhibition** is your one chance to address your target audience in an intimate and informative setting.



As a sponsor you can enjoy a wide range of benefits from a carefully selected and tailored sponsorship package, which can help you achieve one or more of the following activities:

- Cost-effective marketing and branding exposure to your target audience culminating in face-to-face meetings with your best prospects and clients through our networking opportunities
- Increase your brand recognition in the GCC region
- Showcase your services, products and solutions to a targeted audience of decision makers
- Position and profile yourself as an industry leader and as an effective partner for oil, gas, petrochemical, power and utility companies to join them in their IT vision 2020
- Create new partnerships and alliances

Then you should be part of the **Oil & Gas IT Week** to present your solutions to attending delegates.

## Who will you meet?

Attending delegates will include experts and decision-makers from the following sectors across the GCC, Europe and North American regions:

- Ministries (Energy, Telecom, Economy)
- Municipalities
- National and International Oil & Gas Companies
- Power and utility companies
- IT solution providers, vendors and consultants

Gold sponsor:



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# Registration

Event code: 22606.001

Please complete in **BLOCK CAPITALS** as information is used to produce delegate badges.

Please photocopy for multiple bookings.

## 4 WAYS TO REGISTER

phone: +971 4364 2975

email: enquiry@iqpc.ae

fax: +971 4363 1938

web: www.oilandgasitweek.com

## CONFERENCE PRICES

Please select which conferences you wish to attend:

1-day event:

☐ Big Data

2-day events:

☐ Communication & Instrumentation

☐ Cyber Security

Please select which package you wish to purchase based on the event(s) you wish to attend, taking into consideration the number of days. Please also refer to the event schedule on the front page.

Book and pay before **26 August 2013** and save up to **US\$737**

Conference days	Early bird before 26/08/13	Credit card
<input type="checkbox"/> 1 day + plenary session (Big Data)	US \$1,260	US \$1,400
<input type="checkbox"/> 2 days + plenary session (Either Cyber Security or Communication & Instrumentation)	US \$2,340	US \$2,600
<input type="checkbox"/> 3 days + plenary session (1 two-day event + 1 one-day event + plenary session)	US \$3,600	US \$4,000

Prices are stated net of any applicable local taxes. A US\$100 processing charge will be assessed to all registrations not accompanied by credit card payment at the time of registration.

## DELEGATE DETAILS

☐ Mr ☐ Mrs ☐ Ms ☐ Dr ☐ Other

First Name:

Surname:

Email:

Telephone:

Job Title:

Department:

Organisation:

Nature of business:

Address:

Postcode:

Country:

Telephone:

Fax:

Approving Manager:

Training Manager:

Name of person completing form if different from delegate:

Signature:

Date:

☐ I agree to IQPC's payment terms. If you have not received an acknowledgement before the conference, please call us to confirm your booking.

## PAYMENT METHOD

☐ By Credit Card

Please debit my credit card: ☐ Visa ☐ Mastercard ☐ American Express

Card No:

Valid From:

Expiry Date:

Issue No:

Card Holder's name:

Signature:

Card billing address: (if different from Co. address)

Country:

Postcode:

## TEAM DISCOUNTS

Group discounts are available if you wish to come with more than 2 colleagues. Please call +971 4364 2975 for more information.

## VENUE & ACCOMMODATION

### VENUE

The Westin Abu Dhabi Golf Resort and Spa,  
PO Box 126797, Sas Al Nakhl, Abu Dhabi, UAE.  
Tel: +971 2558 0712. Email: westinauh.info@westin.com  
Website: www.westin.com/abudhabigolfresort

Hotel and travel costs are not included in the registration fee. For assistance in your travel and accommodation requirements, please refer to details below.

### ROOM RESERVATIONS

Special / corporate rate for room accommodation is available in the hotel. You may contact the hotel directly as per the details above quoting IQPC Middle East or the name of the conference.

### FLIGHT RESERVATIONS

Contact **Bindu Babu** at SNTTA Travel & Tours LLC Dubai.  
Email iqpc@snitadubai.com  
Tel + 971 4 282 9000. Fax + 971 4 282 9988. Online www.snitta.com  
Please book at the earliest for your convenience.

## CONFERENCE DOCUMENTATION

If you cannot make the conference, you can still access all presentations delivered throughout the conference days for just US\$450, post event. Contact us on +971 4 364 2975 for further details.

## IQPC FZ LLC'S STANDARD TERMS AND CONDITIONS

### PAYMENT

- Payment is due in full at the time of registration and includes lunches, refreshments and detailed conference materials. Payment prior to conference is mandatory for attendance.
- Your registration will not be confirmed until payment is received and may be subject to cancellation.
- If a booking is received 10 working days before the conference a credit card number will be required to confirm your place, likewise if full payment has not been received before the conference date.
- A US\$100 processing charge will be assessed to all registrations not accompanied by credit card payment at the time of registration.
- Any respective payment charges to be borne by the payer. Please ensure that IQPC receives the full invoiced amount.

### DISCOUNTS

- All Early Bird Discounts require payment at time of registration and before the cut-off date in order to receive any discount.
- Any other discounts offered by IQPC (including team discounts) require payment at the time of registration.
- Discounts cannot be combined with any other offer.

### CANCELLATION, POSTPONEMENT AND SUBSTITUTION POLICY

- You may substitute delegates at any time by providing reasonable advance notice to IQPC.
- For any cancellations received in writing not less than eight (8) days prior to the conference, you will receive a 90% credit to be used at another IQPC conference which must occur within one year from the date of issuance of such credit. An administration fee of 10% of the contract fee will be retained by IQPC for all permitted cancellations. No credit will be issued for any cancellations occurring within seven (7) days (inclusive) of the conference.
- In the event that IQPC cancels an event for any reason, you will receive a credit for 100% of the contract fee paid. You may use this credit for another IQPC event to be mutually agreed with IQPC, which must occur within one year from the date of cancellation.
- In the event that IQPC postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, you will receive a credit for 100% of the contract fee paid. You may use this credit for another IQPC event to be mutually agreed with IQPC, which must occur within one year from the date of postponement.
- Except as specified above, no credits will be issued for cancellations. There are no refunds given under any circumstances.
- IQPC is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. IQPC shall assume no liability whatsoever in the event this conference is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency.

### PROGRAMME CHANGES

- Please note that speakers and topics were confirmed at the time of publishing; however, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. As such, IQPC reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated on our web page as soon as possible.

### YOUR DETAILS

- Please email our database manager at enquiry@iqpc.ae and inform him/her of any incorrect details which will be amended accordingly.