2018 POST EVENT REPORT
Towards a Competitive Downstream through Innovation, Collaboration and Technology
‘I thoroughly enjoyed this inaugural event. Given this was the first one, it was very impressive to see both the wide range and high calibre of the exhibitors and participate in very active and engaging technical sessions.’

Alan Gelder | VP Rening, Chemicals & Oil Markets | Wood Mackenzie
Over 2,500 professionals gathered from more than 50 countries to hear 200 technical speakers

The GDA Conference proved to be the leading Middle East strategic platform for downstream professionals to address business challenges, share best practices and unlock potential opportunities through collaboration and partnerships. Striving towards excellence, this forum successfully achieved the aim of engaging regional and international stakeholders across the business, academia and technology providers to capitalize on investment, innovation, and growth.
Under the theme of “Towards a Competitive Downstream through Innovation, Collaboration and Technology” the GDA Conference 2018 opened with keynotes featuring three speeches from His Excellency Bakheet Al-Rashidi, Minister of Oil and Minister of Electricity & Water, State of Kuwait, His Excellency Shaikh Mohamed bin Khalifa Al Khalifa, Minister of Oil, Kingdom of Bahrain and Suleiman Al-Bargan, Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco.

Engineers and technical experts met under one roof to address, review and reflect current trends, challenges and delved into best practices other companies were adapting to stay relevant. Audiences were held captive to a strong lineup of technical sessions that included topics such as capturing maximum value from bottom to barrel, upgrading heavy oil strategies for improved refinery economics, using big data analytics to detect faults in chemical processes, new crude heater for better efficiency, reliability and environment performance, demystifying digitalization challenges towards a successful downstream industry deployment, first industry artificial intelligence application in crude refinery amongst many others.

‘The Gulf Downstream Association 2018 International Conference and Exhibition was very well organized. The conference gathered multi-disciplinary expertise across the Arabian Gulf’s neighbor countries. It focused on knowledge sharing as well as benchmarking. All in all, it has been a great collaboration opportunity between different organizations and an honor for me to have been participating in a such event.’

Kumail Alqatari | Process Engineer | Saudi Aramco
Our sincere thanks to the Leadership of GDA Conference 2018

Conference Chairman

Suleman A. Al-Bargan
Vice President, Refining & NGL Fractionation
Saudi Aramco

Conference Co-Chair

Jasem Al-Sayegh
Chief Executive Officer
ADNOC Refining

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Operations Manager
Ras Tanura Refinery
Saudi Aramco

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General Manager, Refining
Bapco

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Jazan Refinery
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Media and Communication Department Manager
ADNOC Refining

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Associate Professor
University of Bahrain

Advisor

Dr. Basim Abussauc
Assistant Professor
KFUPM

LEWAS Committee

Chairperson

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HR Leader
Saudi Aramco
Steering Committee Members

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Operational Excellence TL
Kuwait Petroleum International Ltd

Aman Ahmad
Vice President, Business Development - EMEA
KBR

Andre Lanning
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ART

Andy Gosse
President, Catalysts and Technology Licensing
Shell

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Secretary General
GDA

Daniel McCarthy
Executive Vice President & Group President C&B! Saudi Arabia McDermott

Dr. Defer Al-Jalahma
Acting Chief Executive
nogaholding

Fadhil Alansari
General Manager Manufacturing
GPIC

Fahad Al-Daihany
Deputy CEO, MAA Refinery
KNPC

Faihan Al Falhany
Deputy CEO, Strategies & International Relations
NOGA

Gaseem Al Shaikh
CEO
PCMC

Dr. Halim Hamid Redhwi
Vice President
Dhahran Techno-Valley Company (DTVC)

Hussain Al Gahtani
President
SASREF

Jean Sentenac
Chairman & CEO
Axens

Jim Collins
President - Strategy & Development
Wood

Dr. Halim Hamid Redhwi
Vice President
Dhahran Techno-Valley Company (DTVC)

Metab Al-Shammari
General Manager Petrochemicals
SABIC

Mohammad Al Naghash
President & CEO
YASREF

Mokhtar Fawaz
Vice President
Turbo Machinery and Process Solutions
GE Oil & Gas

Nadia Bader Al-Hajji
Deputy CEO
Petrochemicals & LNGI
KIPIC

Aman Ahmad
Vice President, Business Development - EMEA
KBR

Dr. Pierre Riemer
Director General
WPC - World Petroleum Council

Pierre De Vuyst
CEO
Yokogawa MEA

Dr. Prof. Riyad Yousuf
Abdulaziz Hamzah
President
University of Bahrain

Suleyman M. Ozmen
Vice President, Downstream Licensing (Retired)
Shell Global Solutions International
Technical Committee Members

Abdallah A Husain  
Group Leader  
PM-P65CM OE Support  
Saudi Aramco

Dr. Anissa Bendjeriou  
Sedjerari  
Research Center  
Liaison Officer  
KAUST Catalysis Center

Dr. Basim Abussaud  
Assistant Professor  
KFUPM

Gautham Krishnaiah  
Vice President, Refining  
KBR

Gurminder Singh  
Director, Technology Licensing - MENA  
Shell Global Solutions International

Dr. Hayat Abdulla Yusuf  
Assistant Professor  
University of Bahrain

Jim Brigman  
Managing Director  
Ingenero Inc

Joseph Ibrahim  
Managing Director  
Middle East  
Axens

Khalifa Al-Qallaf  
Joint Venture  
Management Manager  
Q8 - Kuwait Petroleum International Ltd

Mazen Hendawi  
Sr Regional Sales Account Manager  
Honeywell UOP

Mohamed Al Haddadi  
Manager Corporate Excellence Dept  
ADNOC

Mohammed Al Zahrani  
Supervintendent DR & NGLF  
Saudi Aramco

Mohammed Benzekkoch  
Manager, Strategic Accounts  
Shell - Criterion Catalyst Co Ltd

Mubarak Al-Mutairi  
Manager, Technical Services  
MAB Refinery  
KNPC

Nader A. Milibari  
Division Head, Refinery Maintenance Reliability & Technical Support  
Saudi Aramco

Nathan Ergonul  
General Sales Manager, ME ART

Raj Jhajharia  
Technical Manager  
GDA

Saifuddin Sheikh  
Director Business Consulting Operations  
AspenTech

Sandeep Goel  
Director Business Development, ME  
McDERMOTT

Shaalan Al Zahrani  
General Manager Technical S-Chem

Dr. Zainab Ali Mohamed Ali  
Assistant Professor  
University of Bahrain

Yaming Jin  
Science Specialist  
Refining Development Team  
Saudi Aramco
Organizing Committee Members

Abdulaziz Alfayez
Division Head
Capital Efficiency - DR & NGLF
Saudi Aramco

Ahmed Mulhim
Coordinator, Planning & Performance Management
Saudi Aramco

Alexis Neron Bancel
Managing Director
ME3

Claudia Hardt
Communication & Marketing Manager
GDA - Gulf Downstream Association

Dr. Hassan J Al-Fardan
Head Promotion Conferences
NOGA

Karan Kukreja
Project Manager
ME3

Khalid Sabbagh
GM, Special Assignment
BAPCO

Mohammad S. Al-Shahrani
Manager, Domestic JV Management Dept.
Saudi Aramco

Mutaz Al-Ghamdi
Public Relations
GDA

Nawaf Al-Ghanem
Manager, Public Relations
BAPCO

Noor Talal
Marketing & Communications Specialist
GDA

Raunaq Jamal
Regional Director
ME3

Satish U.
Sales Manager
ME3

Wail Gahwagy
Planning & Programming
JEC Department
Saudi Aramco

Walid Al Ghawas
Manager, Research & Technology
KNPC
DAY 1 Tuesday, 23 Oct 2018

07:30 Registration

10:00 - 11:00 Opening Ceremony

Moderator:
Eithne Treanor Managing Director, E Treanor Media
His Excellency Bakheet Al-Rashidi Minister of Oil, State of Kuwait
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa Minister of Oil, Kingdom of Bahrain
Suleman A. Al-Bargan Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco

11:00 - 12:00 Exhibition Opening

Guest of Honor:
His Royal Highness Prince Khalifa bin Salman Al Khalifa Prime Minister, Kingdom of Bahrain

11:00 - 12:00 Technical Sessions - 2 Streams

### Innovation & Technology

**Moderator:**
Dr. Hayat Yusuf Assistant Professor, University of Bahrain

**Haldor Topsoe's Advances in Catalysts for Hydrocracking Pre-treatment and ULSD Production**
Speaker: Soren Mikkelsen Sales Liaison Officer, Haldor Topsoe A/S - Main

**First Integrated Hydrocracker-DHT Unit in ME - Its Design, Challenges and Benefits**

**New Innovative Approach to Increase Isomerization Throughput and Octane Booster**
Speaker: Edward Griffiths Principal Process Engineer, KBR

### Improvements

**Moderator:**
Dr. Basim Abussaud Assistant Professor, King Fahd University of Petroleum & Minerals (KFUPM)

**Fuel Oil Conversion Project at Kuwait Petroleum International RaM Refinery: Strategic Response to 2020 Challenge**
Speaker: Xander de Jong Principal Process Engineer, R&D, Q8 - Kuwait Petroleum International Ltd

**Capturing the Maximum Value From The Bottom of The Barrel**
Speaker: Gurminder Singh Director, Technology Licensing - MENA, Shell Global Solutions International

**Heavy Oil Upgrading Strategies for Improved Refinery Economics**
Speaker: Gary Brierley Project Development Manager, Honeywell UOP

12:00 - 13:00 Lunch & Networking
Tuesday, 23 Oct 2018 (cont.)

13:00 - 14:30 **Panel Discussion - Future of Fuels**
This session will discuss the future of the downstream business with focus on the products demand, economics and future outlook. The session will aim to share different opinions from refiners, consumers, technology providers and regulators on the future of Downstream.

Moderator:  
Eithne Treanor Managing Director, E Treanor Media

Panelists:  
Suleman A. Al-Bargan Vice President, Domestic Refining & NGL Fractionation, Saudi Aramco  
David H. Witte Sr. VP & Division Head, Energy & Natural Resources, IHS Markit  
Jean Sentenac Chairman & CEO, Axens  
Francois Good Sr. Vice President, Refining & Petrochemical, TOTAL

14:30 - 15:00 **Coffee & Networking**

15:00 - 16:30 **Technical Sessions - 3 Streams**

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<th>Digitalization</th>
<th>Innovation &amp; Technology</th>
<th>Improvements</th>
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<td><strong>Palm Hall</strong></td>
<td><strong>Al Seef</strong></td>
<td><strong>Al Fanar</strong></td>
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<tr>
<td>Moderator: Mohamed Al Haddadi Manager, Corporate Excellence Department, ADNOC</td>
<td>Moderator: Dr. Zainab Redha Assistant Professor, University of Bahrain</td>
<td>Moderator: Nathan Ergonul Business Director, Advanced Refining Technologies</td>
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<tr>
<td>KNPC's Smart Refinery: Maximo Oil &amp; Gas Enterprise Solution</td>
<td>A New Olefins Selective Cracking Catalyst for Maximum Propylene Production from FCC Units</td>
<td>Pilot Plant Study for Hydrocracker Catalyst Selection</td>
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<td>Speaker: Nabeel Haidar Team Leader, IT Enterprise Application, KNPC</td>
<td>Speaker: Yaming Jin Science Specialist - Refining Development Team; Chairperson - Technology (GDA Stream), Saudi Aramco</td>
<td>Speaker: Harbeyah Al-Enezi Process Engineer, KNPC</td>
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<td>Fault Detection and Diagnosis in Chemical Processes using Big Data Analytics</td>
<td>Blockchain Technology in Oil &amp; Gas Sector</td>
<td>Next-Level Hydrocracker Flexibility: Unlocking High Performance in Today’s Turbulent Markets</td>
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<td>Speaker: Dr. Mohamed Bin Shams Associate Professor, University of Bahrain</td>
<td>Speaker: Qais AlDoub Senior Networks and Security, IT, Kuwait Integrated Petroleum Industries Company (KIPIC)</td>
<td>Speaker: Simon Cackett Licensing Technology Manager, Shell Global Solutions International</td>
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<td>Sensor Data Analytics based on DNV GL's Anomaly Detection Tool using Linear Regression Models</td>
<td>Direct Catalytic Cracking of Crude Oils to Produce Petrochemicals Feedstock</td>
<td>BAPCO Hydrocracking Unit: A Decade of Success</td>
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<td>Speaker: Jorn Veenstra Specialist Pipeline Integrity, DNV GL - Oil &amp; Gas</td>
<td>Speaker: Dr. Gnana Pragasam Singaravel Catalysis Section Head, ADNOC</td>
<td>Speaker: Velmurugan Venkatesan Process Specialist Hydrocracking, BAPCO</td>
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16:30 - 16:45 **Daily Raffle Draw**

19:00 **Gala Dinner & Awards Ceremony (By invite only)**  
Four Seasons Hotel, Bahrain Bay
DAY 2 Wednesday, 24 Oct 2018

07:30 Registration

08:30 - 10:00 Technical Sessions - 3 Streams

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<td>Moderator:</td>
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<td>Mathew Clingerman</td>
<td>Sanjay Gupta</td>
<td>Mubarak Al-Mutairi</td>
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<td>Director, FCC Technology, KBR</td>
<td>Senior Energy</td>
<td>Manager, Technical Services,</td>
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<td>Saudi Aramco</td>
<td>MAB Refinery, KNPC</td>
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<td>Refinery and Base Oil Plant</td>
<td>Finding the Optimum Coal to</td>
<td>Boiler Chemical Injection System</td>
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<td>Synergy - BAPCO’s Successful</td>
<td>Nethawal Process Design: a</td>
<td>Design Modification for More</td>
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<td>Venture in Lubricant Development,</td>
<td>Simulation Case Study</td>
<td>Effective and Optimum Operation</td>
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<td>Testing and Commercialization</td>
<td>Speaker:</td>
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<td>Ahmed Al Kubaish</td>
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<td>Mohamed Ahmed Hejres</td>
<td>King Fahd University of Petroleum</td>
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<td>Technical Sales &amp; Services</td>
<td>&amp; Minerals (KFUPM)</td>
<td>Engineer, Saudi Aramco</td>
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<td>Supervisor, BAPCO</td>
<td>Reliable Operation Window for</td>
<td>New Crude Heater For Better</td>
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<td>Profit Pivot Points in a Refinery -</td>
<td>Variable Speed Driven Pumps</td>
<td>Efficiency, Reliability and</td>
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<td>Petrochemical Integrated Complex</td>
<td>Speaker:</td>
<td>Environment Performance</td>
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<td>Speaker:</td>
<td>Ahmed Al Kubaish</td>
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<td>Nick Kinnis</td>
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<td>Raj Gheta</td>
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<td>Business</td>
<td>Engineer, Saudi Aramco</td>
<td>Acting Process</td>
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<td>Development, McDERMOTT</td>
<td>Pressure Energy Recovery Practical</td>
<td>Specialist, BAPCO</td>
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<td>Refining and Petrochemical</td>
<td>Case Study in Yanbu Refinery</td>
<td>3D TRASAR Technology Application</td>
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<td>Integration: Highway to Success</td>
<td>Speaker:</td>
<td>for Improved Crude Distillation</td>
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<td>Speaker:</td>
<td>Raad B.Mulla</td>
<td>Overhead Chemical Injection</td>
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<td>Emilie Rousseau</td>
<td>Saudi Aramco</td>
<td>Speaker:</td>
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<td>Sales</td>
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<td>Mahmoud Alkahlout</td>
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<tr>
<td>Development Manager, Axens</td>
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<td>Crude Complex</td>
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10:00 - 10:30 Coffee & Networking

10:30 - 12:00 Panel Discussion - Future of Energy

Discuss the future of the energy demand and new technologies that will impact the downstream business. The session will aim to highlight the latest developments in the future of the energy mix in the world and in GCC and its impact on Downstream.

Moderator:  
Tor Fjaeran President, WPC - World Petroleum Council

Panelists:  
Dr. Sun Xiansheng Secretary General, International Energy Forum (IEF)  
Dr. Peter Bartlett Chief Executive Officer, BAPCO  
Dr. Andrea Lovato Chief Technology Officer, Acwa Power  
David M. Johnson President and CEO, Achates Power  
Dr. Alexander Ritschel Head of Technology, Masdar - a Mubadala Company

12:00 - 13:00 Lunch & Networking

13:00 - 14:30 Technical Session - 3 Streams
Wednesday, 24 Oct 2018 (cont.)

13:00 - 14:30  Technical Session - 3 Streams

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Director, FCC Technology, KBR  | Moderator:  
Sanjay Gupta Sr. Energy Coordinator, Saudi Aramco  | Moderator:  
Joseph Ibrahim Managing Director, AXENS  |
| **Petrochemical Integration: Essential to Middle East Refining?**  
Speaker:  
Alan Gelder VP Refining, Chemicals & Oil Markets, Downstream Global  
Content Lead, Wood Mackenzie  | **Towards Sustainable Operations in Kuwait Integrated Petroleum Industries Companies (KIPIC)**  
Speaker:  
Hannan Bader Mohammad Al Qanai Sr. Eng. Environment, Kuwait Integrated Petroleum Industries Company (KIPIC)  | **Asset Performance Management in Digital Era**  
Speaker:  
Daniel Rodas Baker Hughes, A GE company  |
| **Profitable Schemes to Maximize Refinery Profits Post 2020**  
Speaker:  
Fadi Mhaini  
Director Technology Licensing, McDERMOTT  | **Innovative Solutions for Resid Upgrade and Improved Refinery Margins**  
Speaker:  
Cassandra Schoessow Sr. Technical Professional Leader, KBR  | **Leveraging Benchmarking for Continuous Improvement towards Operational Excellence**  
Speaker:  
Srinivas Badithela Sr. Excellence Engineer, Corporate Support Division, ADNOC Refining  |
| **Opportunity Through Synergy in Kuwait Refinery and Petrochemical Plants**  
Speaker:  
Ahmad Al-Failakawi Manager, Manufacturing Optimization Group, KNPC  | **Towards Energy Efficiency and Profitability - Unlocking Hydrocracker Full Potential through Operational Adjustment**  
Speaker:  
Mahmoud Ibrahim Process Engineer, RTR I Refinery Operation Engineering Unit, Saudi Aramco  | **SASREF Reliability Transformation**  
Speaker:  
Ahmed Ismail Defect Elimination Engineer, SASREF - Saudi Aramco Shell Refinery Company  |

14:30 - 15:00  Coffee & Networking

15:00 - 16:30  Human Capital Efficiency (Round Table)

Discuss current challenges and best practices in acquiring and developing talent in downstream. The session will also highlight the collaboration between Academia, Research and Development with Downstream business.

Moderator:  
Roddy Herbert Koru International Limited

Speakers:  
Dr. Prof. Riyad Yousuf Abdulaziz Hamzah President, University of Bahrain  
Suleyman M Ozmen Vice President, Downstream Licensing (Retired)  
Shell Global Solutions International  
Muna Al Suwaidi Vice President, Human Capital Division, ADNOC Refining  
Nooruddin Ahmed Co-Founder, CERTERO Business Corporation
Wednesday, 24 Oct 2018 (cont.)

15:00 - 16:30  **Technical Session - 2 Streams**

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<th>Innovation &amp; Technology</th>
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| **Moderator:** Dr. Anissa Sedjerari  
KAUST Catalysis Center | **Moderator:** Muhammed Bingol  
Process Automation & Digitalization Engineer, Saudi Aramco |
| **Journey towards Hydrocracker Operational Excellence Through Strategic Collaboration**  
Speaker: Deepak R D Senior Hydrocracking Technical Services Consultant, Shell Global Solutions International | **Demystifying Digitalization Challenges towards Successful Downstream Industry Deployment**  
Speaker: Dr. Pratap Nair  
President & CEO, Ingenero Inc |
| **K-SAAT - A Breakthrough Solid Acid Alkylation Technology**  
Speaker: Edward Griffiths  
Technology Manager, K-SAAT and MAX ISOM, KBR | **Advanced Digital Services to achieve Higher Plant Flexibility and Performance**  
Speaker: Nicolas Menet  
Consulting Solutions Sales Manager, Axens |
| **Addressing Base Oil Color and Stability Issues using UOP HPNA RM Adsorption Technology**  
Speaker: Rajesh Sivadasan  
Principal Hydroprocessing Technology Specialist, Honeywell UOP | **Digital Operator Rounds Deployment at KNPC: Challenges and Opportunities**  
Speaker: Abdulaziz Al-Duaij  
IT Manager, KNPC |

16:30 - 16:45  **Daily Raffle Draw**
DAY 3 Thursday, 25 Oct 2018

07:30 Registration
08:30 - 10:00 Technical Sessions - 3 Streams

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<td>Hamza Alawi</td>
<td>Mazen Hendawi</td>
<td>Joseph Ibrahim</td>
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<td>Technology Sales</td>
<td>Sr. Regional</td>
<td>Managing Director,</td>
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<td>Executive, McDERMOTT</td>
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<td>Middle East, Axens</td>
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<td>Manager - Process</td>
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<td>Innovative Approach for</td>
<td>Technology &amp; Equipment,</td>
<td>New Innovative Concrete</td>
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<td>Refinery Capacity Creep</td>
<td>Honeywell UOP</td>
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<td>Speaker:</td>
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<td>Terminal Asset Integrity and Safety</td>
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<td>Prabhas Mandal</td>
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<td>Speaker:</td>
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<td>Engineering Specialist,</td>
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<td>Darren Hughes</td>
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<td>Saudi Aramco</td>
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<td>Business Development Manager,</td>
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<td>In-House Profit Improvement Program in ADNOC Refining</td>
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<td>Concrete Canvas Ltd.</td>
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<td>Speaker:</td>
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<td>Ali Mohamed Al-Mansoori</td>
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<td>Abdul Rahman Algwaiz</td>
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<td>Manager, Planning &amp; Supply Chain Department, ADNOC Refining</td>
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<td>Saudi Aramco</td>
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<td>Advanced Process Control Plant - Wide Optimization in Ras Tanura Refinery</td>
<td>Advanced Work Packaging: A Game Changer in Oil and Gas Project Management</td>
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<td>Feras Alanazi</td>
<td>Abdelghani Sinno</td>
<td>Hassan Abu Al-Saud</td>
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<td>Engineering Supervisor,</td>
<td>Construction</td>
<td>Process Engineer, ROED Utility</td>
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<td>Saudi Aramco</td>
<td>Consultant- Application Engineer,</td>
<td>Unit, Saudi Aramco</td>
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<td>Seheon Choi</td>
<td>Bentley Systems, Incorporated</td>
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<td>Advance Process Control</td>
<td>IT/OT Maturity Framework</td>
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<td>Plant (APC) Engineer,</td>
<td>Deployment in KIPIC</td>
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<td>Saudi Aramco</td>
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<td>Ahmad A. Almulafi</td>
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<td>Ras Tanura Refinery Desalination Plant Journey towards Operational Excellence</td>
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<td>Hassan Abu Al-Saud</td>
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<td>Process Engineer, ROED Utility Unit, Saudi Aramco</td>
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<td>10:00 - 10:30 Coffee &amp; Networking</td>
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<td>10:30 - 12:00 Panel Discussion - Future of Margins</td>
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<td>Discuss the future of the refining margins and how to maintain competitiveness in the future environment. The session will provide insights on the characteristics of profitable facilities, integration and upgrade options, digitalization and benchmarking with other regions.</td>
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<td>Moderator:</td>
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<tr>
<td>Hafedh Al-Qassab</td>
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<td>General Manager, Refining, BAPCO</td>
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<td>Panelists:</td>
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<tr>
<td>Norm Gilsdorf</td>
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<tr>
<td>President, Middle East, Turkey, Russia, Central Asia, Honeywell</td>
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<td>Othman Al-Ghamdi</td>
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<td>Chief Executive Officer, S-Oil Corporation</td>
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<tr>
<td>Francesco Palmieri</td>
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<td>Senior Partner &amp; MD, The Boston Consulting Group (BCG)</td>
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<td>Steven McCoskey</td>
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<td>Vice President, Operations, Solomon Associates</td>
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<td>12:00 - 13:00 Lunch &amp; Networking</td>
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Thursday, 25 Oct 2018 (cont.)

13:00 - 14:30  Technical Sessions - 3 Streams

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| **Moderator:** Feras Al Anazi  
  Engineering Supervisor, Saudi Aramco  
  **First Industry Artificial Intelligence Application in Crude Refinery**  
  **Speaker:** Bilal Abdallah  
  Manager, Maana  
  **Digital Operator Advisory System - A New Era of Operator Collaboration**  
  **Speaker:** Saptarshi Bhowmick  
  PSS Department Manager, Yokogawa MEA  
  **Salient Technologies / Design Features adopted in KNPC’s (Kuwait National Petroleum Company) Clean Fuels Project**  
  **Speakers:** Daniel Jeyasankar  
  Process Engineer, KNPC  
  Wasemia Abdullah F Alshammari  
  Process Engineer, Kuwait National Petroleum Company (KNPC) |
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| **Moderator:** Khalifa Al Qallaf  
  Joint Venture Management Manager, Q8 - Kuwait Petroleum International Ltd  
  **Facing Challenges and Changes in Industrial Cybersecurity**  
  **Speaker:** Mohammed Nabeel  
  Network Security Solution Consultant, Yokogawa MEA  
  **Reaping the Rewards of Digital Transformation - The $6.5 Million Savings Journey**  
  **Speaker:** David Ross  
  Middle East Strategy Lead Petrotechnics  
  **Kuwait Integrated Petroleum Industries Company (KIPC) Readiness to Industry 4.0**  
  **Speaker:** Hadia S. AlFedaghi  
  Engineer, Networks and Security, IT, Kuwait Integrated Petroleum Industries Company (KIPC) |
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| **Moderator:** Mohammed Benchekchou  
  Regional Manager MENA, Shell - Criterion Catalyst Co Ltd  
  **Increased Heavy Naphtha Draw from Condensate Distillation Unit through Rigorous Simulation Debottlenecking**  
  **Speaker:** Dr. Mohammad Shamsuzzoha  
  ADNOC Refining  
  **Retrofitting Existing Reactors - A Novel Approach to Modernization**  
  **Speakers:** Rajan Jawale  
  Product Line Manager, Chevron Lummus Global  
  Hussain Al -Mutairi  
  Eng. -B, Process, Kuwait National Petroleum Company (KNPC)  
  **Fluid Catalytic Cracking Reactor Simulation Model at SAMREF**  
  **Speaker:** Abdullah Alraddadi  
  Process Engineer, SAMREF |

14:30 - 15:00  Coffee & Networking

15:00  Closing Ceremony & Mega Raffle Draw
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