

Enhancing Competitiveness through Energy Efficiency, Cost Effectiveness, Asset Reliability and Human Capital



13 & 14 February 2019

BAHRAIN INTERNATIONAL EXHIBITION & CONVENTION CENTRE

Conference Program sponsored by





Under the Patronage of
His Excellency Shaikh Mohamed bin Khalifa Al Khalifa
Minister of Oil, Kingdom of Bahrain

Supported by



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National Oil & Gas Authority



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The Ethylene Middle East Technology Conference (EMET 2019) will take place on 13th & 14th of February 2019 at the Bahrain International Exhibition & Convention Centre, Kingdom of Bahrain, alongside the Middle East Fine & Specialty Chemicals (ME-SPEC) Conference & Exhibition 2019.

EMET will bring together professionals looking to develop their technical knowledge and optimize their position in the fast-evolving Ethylene Industry by increased Operational Efficiency, Sustainability & Excellence.

This edition of EMET will focus on 'Solution Sharing', making this a platform for interaction, technical knowledge and problem-solving.

The conference will provide a unique platform for networking across the streams of operators and owners as well as product and service providers to meet and understand the constantly evolving trends, technologies, products and solutions to the challenges faced by the Ethylene Industry.

I welcome you all to participate in the conference and I look forward to seeing you in Bahrain.

Best Regards,

A handwritten signature in blue ink, consisting of a large, stylized 'M' followed by a smaller 'A' and a horizontal line.

Metab Al-Shammari

General Manager - Olefins, Petrochemicals SBU, SABIC
EMET 2019 Conference Chairman

CHEMISTRY THAT MATTERS™

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Designed to diversify the Kingdom's economy away from the export of hydrocarbons, Vision 2030 represents the most dramatic shift in Saudi Arabia's economic policy in decades. SABIC is ideally positioned and committed fully to helping realize Vision 2030, creating a more vibrant economy, an entrepreneurial culture and a brighter future for the people of Saudi Arabia. That's 'Chemistry that Matters™'.

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2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



STEERING COMMITTEE MEMBERS



Abdel Hadi Al Suhaimi
Executive President
S-Chem



Aman A. Ahmad
Vice President
Business Development
- EMEA
KBR Technology



Fuad Mosa
Vice President
Local Content & Business
Development Unit
SABIC



Jim Middleton
Group Vice President
Ethylene Product Line
and Technologies
TechnipFMC



Jim Brigman
Managing Director
Ingenero Inc



June Wispelwey
Executive Director
**AIChE - American Institute
of Chemical Engineers**



Suleyman M Ozmen
Sr. Consultant
Independent

TECHNICAL COMMITTEE MEMBERS



Dr. Abdoul Al-Shamrani
Director
Down Stream Development
PMO/Advisory, LCBDU
SABIC



Abdulaziz Ramadhan Al-Ghamdi
Superintendent
Utilities & Energy
TASNEE



Dr. Anissa Sedjerari
Research Center Liaison
Officer, Innovation & Economic
Development Department
KAUST Catalysis Center



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



Enad Al-Anazi
Process Engineering
Manager
S-Chem



Karam Rajab
Sr. Analyst
Downstream & Tech Loc
SABIC



Kristine Chin
Senior Director
Conferences & Education
**AIChE - American Institute
of Chemical Engineers**



Mohammed Benckechou
Director Strategic Accounts -
Middle East & India
**Shell - Criterion Catalyst
Co. Ltd.**



Murray Hall
Vice President, Marketing -
Downstream
**NALCO Champion - NALCO
Saudi Company Limited**



Dr. Pratap Nair
President & CEO
Ingenero Inc



Rik Klavers
Vice President
Petrochemicals
KBR Technology



Saifuddin Sheikh
Director Business
Consulting Operations
AspenTech



Salah Al-Ansari
Sharq President
SABIC – SHARQ



Salim Nasser Al-Duhami
Chief Engineer
Olefin Process
SABIC



Yvon Simon
Ethylene Technology
Manager
TechnipFMC

EMET CONFERENCE AT A GLANCE

Timings	Day 1 - Wednesday, 13 February 2019		Day 2 - Thursday, 14 February 2019		Timings
7:00 onwards	Registrations		Registrations		7:30 onwards
8:30 - 9:00	Conference Opening & Keynote Session		Keynote Session		8:30 - 9:00
9:00 - 9:45					9:00 - 9:30
9:45 - 10:00	Exhibition Inauguration				Coffee Break
10:00 - 10:30			10:00 - 10:30		
10:30 - 11:00	Relevancy with Integration and Industry Consolidation	Enhancing Asset Performance (People, Infrastructure and Investments)	Advantage of Digitalization and Big Data	Enhancing Asset Performance (People, Infrastructure and Investments)	10:30 - 11:00
11:00 - 11:30					11:00 - 11:30
11:30 - 12:00					11:30 - 12:00
12:00 - 12:30	Lunch & Prayers		Lunch & Prayers		12:00 - 12:30
12:30 - 13:00					12:30 - 13:00
13:00 - 13:30					13:00 - 13:30
13:30 - 14:00	Panel Discussion		Panel Discussion		13:30 - 14:00
14:00 - 14:30					14:00 - 14:30
14:30 - 15:00	Coffee Break		Coffee Break		14:30 - 15:00
15:00 - 15:30	Advantage of Digitalization and Big Data	Managing Changing Feedstock (Mixed-feed, Alternative feed, Sustainable feed)	Enhancing Asset Performance (People, Infrastructure and Investments)	Managing Changing Feedstock (Mixed-feed, Alternative feed, Sustainable feed)	15:00 - 15:30
15:30 - 16:00					15:30 - 16:00
16:00 - 16:30					16:00 - 16:30
16:30 - 17:00	Raffle Draw		Closing Ceremony - Key Takeaways		16:30 - 17:00
			Raffle Draw		17:00
19:30 - 21:00	Gala Dinner				

ME-SPEC CONFERENCE AT A GLANCE

Timings	Day 1 - Wednesday, 13 February 2019
7:00 onwards	Registration
8:30 - 8:45	Welcome Message
8:45 - 9:00	Official Conference Opening
9:00 - 9:45	Keynote Session
9:45 - 10:30	Exhibition Inauguration
10:30 - 12:00	Strategic Sessions
12:00 - 13:30	Lunch & Prayers
13:30 - 14:30	Panel Discussion
19:30 - 21:00	Gala Dinner

EXHIBITION FLOOR PLAN



KBR

TECHNOLOGY

Flexible, Cost-Effective & Efficient Technologies for High-Value Olefins Production

SCORE™

Selective Cracking Optimum REcovery

- Maximum ethylene yield
- Best ROI- Low CAPEX/OPEX
- Exceptional flexibility and reliability
- Small footprint
- Tailored coil design to meet customer objectives

K-COT™

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- High feed flexibility (C_4 - C_{10} olefinic, paraffinic or mixed feeds)
- Higher propylene-to-ethylene ratio
- Improved margins for liquid-cracking ethylene producers

K-PRO™

KBR Propane Dehydrogenation

- Lower CAPEX and OPEX than competing technologies
- Low-cost, non-precious metals, non-chromium, environment friendly catalyst
- High propane conversion and high selectivity to propylene
 - Simple, robust and reliable operations with higher on-stream time

EMET THROUGH THE YEARS

**EMET
2019**

Theme: Enhancing Competitiveness through Energy Efficiency, Cost Effectiveness, Asset Reliability and Human Capital

Co-Located Event: ME-SPEC

- 55 industry partners
- 938 participants
- 344 companies
- 21 countries
- Bahrain International Exhibition & Convention Centre

**EMET
2016**

Theme: Sustaining Ethylene Competitiveness through Solution Sharing

- 42 industry partners
- 562 participants
- 152 companies
- 25 countries
- Gulf Hotel, Kingdom of Bahrain

**EMET
2014**

Theme: Meeting Technical Challenges in the Ethylene Industry through Efficient & Sustainable Technology

- 40 industry partners
- 623 participants
- 131 companies
- 24 countries
- Gulf Hotel, Kingdom of Bahrain

TESTIMONIALS



Ziad Al-Labban
Former CEO
Sadara Chemical
Company

"EMET was successful in meeting its objective of providing a venue for companies and institutions who have interests in the ethylene business to share experiences and network in a constructive and value creating manner. The participant level was higher than the first EMET in 2014 and reflected the support and wish for participating companies for a technical conference which addressed the challenges of the ethylene industry today and into the future."



Said M. Bajodah
Executive President
SCP & JCP, S-Chem

"This conference is the best technical conference to connect all stakeholders in one place to share their experience, knowledge and best practices in our industry"

TOPICS



1) Enhancing Asset Performance (People, Infrastructure and Investments):

Efficient Asset Performance Management ensures improved business processes and delivering an important contribution to value enhancement in the process.



2) Managing Changing Feedstock (Mixed-Feed, Alternative feed, Sustainable feed)

Feedstock is the biggest operating cost for most plants. In recent days, changing feedstock can work in the direction of profit maximization.



3) Advantage of Digitalization and Big Data

Big Data and analytics are becoming closely intertwined and need to work together to deliver the promised results of Big Data.



4) Relevancy with Integration and Industry Consolidation

Integration is a strategy where a company acquires, merges with or takes over another company in the same industry value chain.

COMPREHENSIVE SOLUTIONS

FOR THE HYDROCARBON INDUSTRY

Gas Processing ■ Refining ■ Petrochemical ■ Catalysts



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McDermott's **Lummus Technology** offers leading ethylene technology with high reliability, long run lengths and high on-stream factors. We have completed more ethylene projects than any other technology licensor, accounting for 40 percent of the world's ethylene capacity.

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TECHNOLOGY

EMET KEYNOTE SPEAKERS AND PANELISTS



Dr. Abdulwahab Al Sadoun
Secretary General
GPCA



Ahmad A. AlAbedi
Petrochemical, Oil & Gas Sector
Managing Director
SAGIA - Saudi Arabian
General Investment Authority



Fuad Mosa
Vice President
Local Content & Business
Development Unit
SABIC



Dr. Hazza Baker Al Qahtani
Chairman
Amad Investment Holding



Khalil Ibn Salamah
Managing Director
Global Company for
Downstream Industries (GDI)



Dr. Khalid Al-Jarba
Director
Process Technology
and Licensing
SABIC

EMET Program

Day 1 - Wednesday, 13 Feb 2019

07:00	Registration
08:30 - 08:45	Welcome Message 📍 Palm Hall Speaker: Metab Al-Shammari , General Manager - Olefins, Petrochemicals SBU, SABIC
08:45 - 09:00	Official Conference Opening 📍 Palm Hall Speaker: His Excellency Shaikh Mohamed bin Khalifa Al Khalifa , Minister of Oil, Kingdom of Bahrain
09:00 - 09:45	Keynote Session 📍 Palm Hall Balancing Volatile Feedstock Demand with Maximizing Value from Oil Speaker: Dr. Khalid Abdullah Al Jarba , Director, Process Technology & Licensing, SABIC Turning Waste into Value – The GCC Journey towards the foreground Speaker: Dr. Abdulwahab Al Sadoun , Secretary General, GPCA
09:45 - 10:30	Exhibition Inauguration & VIP Walk His Excellency Shaikh Mohamed bin Khalifa Al Khalifa , Minister of Oil, Kingdom of Bahrain
10:30 - 12:00	Technical Sessions - 2 Streams

Relevancy with Integration and Industry Consolidation 📍 Palm Hall	Enhancing Asset Performance 📍 Al Seef
Moderator: Dr. Basim Abussaud , Assistant Professor, King Fahd University of Petroleum & Minerals (KFUPM)	Moderator: Dr. Pratap Nair , President & CEO, Ingenero Inc
<i>An inter-olefins plant optimization using machine learning and linear programming techniques</i> Deepak Pal , Scientist, SABIC	<i>Improvement in Asset Utilization and Productivity in the Filtration and Separation of Quench Water</i> Ram Venkatadri , Global Marketing Manager, Fuels and Chemicals, Pall Corporation
<i>Higher Margin with Integrated Refinery/Petrochemical Scheme</i> Sanjeev Mallick , Associate Director, Refining, KBR Technology	<i>Effective Fouling Protection of Strippers, Compressors, Caustic Towers and Recovery Section for Olefins Plant</i> Subrato Saha , Director, Aquachemie
<i>TechnipFMC's SFT® Radiant Coil Technology</i> Marco Van Goethem , Manager, Product Development, TechnipFMC	<i>Berthold Otzisk</i> , Senior Product Manager Process, Kurita Europe
<i>Exploring New Ultra-Low Steam Consumption, High Capacity Smokeless Flaring</i> Mohammed Abugharbieh , Country Manager, Zeeco Middle East Ltd	<i>Furnaces Excess Oxygen Optimization</i> Radhi Ali Aqeeli Al , Process Engineer, SABIC - KEMYA
	<i>Furnace Tube Life Optimization</i> Akram Essa , Mechanical Engineer, S-Chem

EMET Program

Day 1 - Wednesday, 13 Feb 2019 (contd.)

12:00 - 13:30

Lunch & Prayers

13:30 - 14:30

Panel Discussion - Opportunities & Targeted Applications for Specialty Chemicals in Light of Regional Visions & Governmental Support

📍 Palm Hall

Moderator:

Motaz Abdulaal, Director, Project Management, Dussur

Panelists:

Ahmad A. AlAbedi, Petrochemicals, Oil & Gas Sector Managing Director, SAGIA - Saudi Arabian General Investment Authority

Khalil Ibn Salamah, Managing Director, Global Company for Downstream Industries (GDI)

Dr. Hazza Baker Al Qahtani, Chairman, Amad Investment Holding

Fuad Mosa, Vice President - Local Content & Business Development Unit, SABIC

14:30 - 15:00

Coffee Break

15:00 - 16:30

Technical Session - 2 Streams

Advantage of Digitalization and Big Data 📍 Palm Hall	Managing Changing Feedstock 📍 Al Seef
<p>Moderator: Mohammed Benchekchou, Director Strategic Accounts - Middle East & India, Shell - Criterion Catalyst Co Ltd</p> <hr/> <p><i>Listen to your Heat Exchanger</i> Bruno Buelow, Product Manager, ARVOS Group GmbH</p> <hr/> <p><i>Operational Data Infrastructure as a foundation for Digital Transformation</i> Aamir Ahmed Butt, Executive Account Manager, OSIsoft Middle East Technologies S.P.C</p> <hr/> <p><i>Auto Analytics and Tracking of Ethylene Plants for Plant Performance Improvement</i> Jim Brigman, Managing Director, Ingenero Inc</p>	<p>Moderator: Dr. Anissa Sedjerari, Research Center Liaison Officer, Innovation & Economic Development Department, KAUST Catalysis Center</p> <hr/> <p>Majid Al Ghanmi, Director, Chemical Operations, SABIC-YANPET</p> <hr/> <p><i>High Value Niche Products: Butene and Hexene Alpha Olefins</i> Xavier Liège, Technology Team Manager, Axens</p> <hr/> <p><i>Sustaining Olefins Production through Optimization and Effective Feed Management</i> Nihar Gulwadi, Project Development Manager, Ingenero Inc</p> <hr/> <p><i>Maximizing Furnace Capacity Utilization during Feedstock Curtailment</i> Faisal Fahad Arab, Scientist, SABIC - SAUDI KAYAN</p> <hr/> <p><i>Profit Pivot Points in Crude to Chemicals Integrated Complexes</i> Brian Muldoon, Vice President, Petrochemicals - MCDERMOTT</p>

16:30

Raffle Draw

📍 Palm Hall

19:30 - 21:00

Gala Dinner

📍 Gulf Hotel

EMET KEYNOTE SPEAKERS AND PANELISTS



Aman A. Ahmad
Vice President
Business Development - EMEA
KBR Technology



Brian Muldoon
Vice President, Petrochemicals
MCDERMOTT



Frederik Hoornaert
Director
Olefins & Aromatics
SABIC



Gurminder Singh
Director, Technology
Licensing - MENA
Shell



Jim Brigman
Managing Director
Ingenero Inc



Metab Al-Shammari
General Manager - Olefins,
Petrochemicals SBU - SABIC
SABIC



Steven McCoskey
Vice President
Operations
Solomon Associates

EMET Program

Day 2 - Thursday, 14 Feb 2019

07:30

Registration

08:30 - 10:00

Keynote Session

📍 Palm Hall

Middle East Olefins: Competitiveness Under Pressure

Speaker:

Steven McCoskey,

Vice President, Operations, Solomon Associates

Ethylene Production in Kingdom of Saudi Arabia: Current Status, Outlook and Courses of Action

Speaker:

Frederik Hoornaert,

Director, Olefins & Aromatics, SABIC

10:00 - 10:30

Coffee Break

10:30 - 12:00

Technical Session - 2 Streams

Advantage of Digitalization and Big Data 📍 Palm Hall	Enhancing Asset Performance 📍 Al Seef
<p>Moderator: Karam Rajab, Sr. Analyst, Downstream & Tech Loc, SABIC</p> <hr/> <p><i>Mitigation of Dilution Steam Corrosion & Fouling Control with 3dfDSS</i></p> <p>Jan Van Bauwel, Regional Account Lead Corporate Accounts, NALCO Champion - NALCO Saudi Company Limited</p> <hr/> <p><i>Simulation of Ethylene Plant with SPYRO® Software</i></p> <p>Susan Cooper-Lenes, Sales Engineer, TechnipFMC</p> <hr/> <p><i>Turning Big Data into Feed-to-Product Operating Envelopes for Business Efficiency</i></p> <p>Alan Mahoney, Technical and Operations Director, Process Plant Computing Limited</p> <hr/> <p><i>The Reality of Digital Twins</i></p> <p>Tolu Sodeinde, Senior Digital Consultant for Middle East, Africa and Asia Pacific, Aveva</p>	<p>Moderators: Jim Brigman, Managing Director, Ingenero Inc Metab Al Shahrani, Director, Polymers & Hydrocarbon Operations Division, SABIC-KEMYA</p> <hr/> <p><i>Unexpected Two-Phase Flow Stalling a Demethenizer Intercondenser</i></p> <p>Nileshkumar Patel, Senior Process Engineer, Sadara Chemical Company</p> <hr/> <p><i>Temperature Measurements repeatability for Ethylene Crackers Optimization</i></p> <p>Khaled Adbellatif, Technology Advisor, Daily Thermetrics</p> <hr/> <p><i>The Impact on Process Tube Coking and Heat Transfer by High Emissivity Coating Systems</i></p> <p>Dr. John Olver, CEO, Emisshield</p> <hr/> <p><i>S+C Optimised Profile for Ethylene Furnace Tubes</i></p> <p>Aurelio Munoz, Corporate Sales Director, Schmidt+Clemens Group</p>

12:00 - 13:30

Lunch & Prayers

13:30 - 14:30

Panel Discussion - Technology Advancements in the Petrochemical Industry

📍 Palm Hall

Moderator:

Suleyman M Ozmen, Sr. Consultant, Independent

Panelists:

Aman A. Ahmad, Vice President, Business Development - EMEA, KBR Technology

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

Jim Brigman, Managing Director, Ingenero Inc

Brian Muldoon, Vice President, Petrochemicals - MCDERMOTT

Metab Al-Shammari, General Manager - Olefins, Petrochemicals SBU, SABIC

EMET Program

Day 2 - Thursday, 14 Feb 2019 (contd.)

14:30 - 15:00

Coffee Break

15:00 - 16:30

Technical Session - 2 Streams

Enhancing Asset Performance 📍 Palm Hall	Managing Changing Feedstock 📍 Al Seef
<p>Moderator: Yvon Simon, Ethylene Technology Manager, TechnipFMC</p> <hr/> <p><i>Ethylene Plant Yield Improvement Through Integrated Advanced Turbomachinery Controls</i> Medhat Zaghloul, Regional Technology Manager, Compressor Controls Corporation</p> <hr/> <p><i>Comprehensive Assessment of Steam Crackers for Energy Intensity Improvement</i> Mahesh Kumar, Lead Scientist Olefins & Aromatics, SABIC</p> <hr/> <p><i>UOP Adsorbents Solutions to Mitigate Online Moisture Analysers Problems and Help Protect Your Plant Reliability</i> Luk Verhulst, Senior Manager, EMEA SA&S Technical Sales and Services, Honeywell UOP</p> <hr/> <p><i>Reducing Costs with the Application of High Flow Coefficient Impellers in the Main Compressors of Ethylene Plants</i> Shane Harvey, Manager, Application Engineering, Elliott Group</p>	<p>Moderator: Salim Nasser Al-Duhami, Chief Engineer, Olefin Process; Process and Energy Management, SABIC</p> <hr/> <p><i>Design Philosophy of a Mixed Feed Cracker</i> Dharmendra Narang, Chief Engineer, TechnipFMC</p> <hr/> <p><i>Dense Loading of Molecular Sieve in Charge Gas Drier</i> Vijaykumar Srinivasan, Sr. Process Engineer, SABIC</p> <hr/> <p><i>KBR Olefins Technologies Provide Key Flexibility with Optimum Design to Ensure Profitability</i> Jeff Caton, Director, Olefins Technology, KBR Technology</p> <hr/> <p><i>Propane Furnace Dynamic Conversion Control</i> Dhafer Mohammed Alwadie, Engineer, Production KOP SABIC - KEMVA</p>

16:30 - 17:00

Closing Ceremony - Key Takeaways from EMET 2019

📍 Palm Hall

17:00

Raffle Draw

📍 Palm Hall



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THE MIDDLE EAST'S FLAGSHIP SPECIALTY CHEMICALS CONFERENCE & EXHIBITION

The Middle East's flagship Specialty Chemicals event provides a regional forum for Petrochemical Suppliers, Converters, Original Equipment Manufacturers (OEMs) and potential investors to showcase, network, and share knowledge & experiences across the whole value chain.

Now in its 2nd Edition, ME-SPEC will be held at the Bahrain International Exhibition & Convention Centre on the 13th & 14th of February 2019 alongside the Ethylene Middle East Technology Conference & Exhibition and Chem World Exhibition Middle East. Together, these three shows make for an unmissable, world-class networking event for delegates, visitors and investors.

REASONS TO PARTICIPATE

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • Provides the Middle East a platform to support regional transformation to further the downstream industry • Designed to provide knowledge, opportunities and connections to all stakeholders to accelerate the growth of the new industry • It is for the Product suppliers, OEM's, Converters and Investors | <ul style="list-style-type: none"> • Aimed at opening new markets within the region to expand the current industrial portfolio • Address challenges associated with such industries and provided best practices from the other regions | <ul style="list-style-type: none"> • It is a fast-moving, exponentially growing market • It is focused on the following sectors: oil & gas, building construction, packaging, automotive and water management |
|--|--|---|

ME-SPEC KEYNOTE SPEAKERS AND PANELISTS



Dr. Khalid Al-Jarba
Director
Process Technology
and Licensing
SABIC



Dr. Abdulwahab Al Sadoun
Secretary General
GPCA



Ahmad A. AlAbedi
Petrochemical, Oil & Gas Sector
Managing Director
SAGIA - Saudi Arabian
General Investment Authority



Khalil Ibn Salamah
Managing Director
Global Company for
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Dr. Hazza Baker Al Qahtani
Chairman
Amad Investment Holding



Fuad Mosa
Vice President
Local Content & Business
Development Unit
SABIC

ME-SPEC Program

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09:45 - 10:30	Exhibition Inauguration His Excellency Shaikh Mohamed bin Khalifa Al Khalifa , Minister of Oil, Kingdom of Bahrain
10:30 - 12:00	Strategic Sessions 📍 Al Fanar Future of Specialty Chemicals in the Region Fuad Mosa , Vice President - Local Content & Business Development Unit, SABIC Why Saudi Sultan Mofti , Deputy Governor, SAGIA - Saudi Arabian General Investment Authority Going Downstream Khalil Ibn Salamah , Managing Director, Global Company for Downstream Industries (GDI)
12:00 - 13:30	Lunch & Prayers
13:30 - 14:30	Panel Discussion - Opportunities & Targeted Applications for Specialty Chemicals in Light of Regional Visions & Governmental Support 📍 Palm Hall Moderator: Motaz Abdulaal , Director, Project Management, Dussur Panelists: Ahmad A. AlAbedi , Petrochemicals, Oil & Gas Sector Managing Director, SAGIA - Saudi Arabian General Investment Authority Khalil Ibn Salamah , Managing Director, Global Company for Downstream Industries (GDI) Dr. Hazza Baker Al Qahtani , Chairman, Amad Investment Holding Fuad Mosa , Vice President - Local Content & Business Development Unit, SABIC
16:30	Raffle Draw 📍 Palm Hall
19:30 - 21:00	Gala Dinner 📍 Gulf Hotel



ADAMS Ethylene Butterfly Valves

ADAMS Type MAG-S Valve, designed to securely prevent backflow in transfer lines. Inherently safe and proven in Service.

ADAMS Valves Program Type HTK and MAG-S for Decoke and Transfer Line in Ethylene Furnace Application



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info@adams-armaturen.de

EXHIBITORS LIST

Stand No.	Display Name
21	24 th WORLD ENERGY CONGRESS
553	ADAMS ARMATUREN
23	AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AIChE)
235	ANHUI TIANRUN CHEMICALS
15	ARKEMA FRANCE
10	ASHCROFT AL RUSHAID INSTRUMENT
141	ATLAS COPCO RENTAL MIDDLE EAST
655	BAHRAIN CHEMICAL ENGINEERS (BChemE)
133	BAHRAIN PETROLEUM COMPANY (BAPCO)
542	BAKER HUGHES, A GE COMPANY
133	BAHRAIN NATIONAL GAS COMPANY (BANAGAS)
12	BD ENERGY SYSTEMS
143	BEIJING ZHONGHANGHUA SAFETY VALVE SALES
11	BORSIG PROCESS HEAT EXCHANGER
17	CHEVRON PHILLIPS CHEMICALS COMPANY
231	CHINA NATIONAL CHEMICAL INFORMATION CENTER (CNCIC)
13	CIRCOR
14	CRI CATALYST COMPANY
20	DAILY THERMETRICS
9	DRESSER AL RUSHAID VALVE & INSTRUMENT
161	ELLIOTT GROUP
541	GIORGIO
551	GULF DOWNSTREAM ASSOCIATION (GDA)
651	GULF PETROCHEMICALS AND CHEMICALS ASSOCIATION (GPCA)
186	INGENERO
181	INTECHA DEUTSCHLAND
271	KBR TECHNOLOGY
183	KINETICS PROCESS IMPROVEMENTS

EXHIBITORS LIST

Stand No.	Display Name
554	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KAUST)
292	KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS (KFUPM)
255	KUBOTA SAUDI ARABIA COMPANY
251	KURITA AQUACHEMIE
163	MANOIR INDUSTRIES
Travel Services	MATHIAS TOURS AND TRAVELS
253	MITSUBISHI HEAVY INDUSTRIES COMPRESSOR CORPORATION (MCOSA)
18	NALCO CHAMPION
133	NATIONAL OIL AND GAS AUTHORITY (NOGA)
133	NOGAHOLDING
153	PALL CORPORATION
16	PARALLOY LIMITED
19	PENTAIR FILTRATION SOLUTIONS
7	RAAZJI
341	ROTANA HOTELS BAHRAIN
257	S-CHEM
555	SAUDI ARABIAN SECTION OF AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (SAS-AIChE) & YOUNG PROFESSIONAL COMMITTEE (SAS-YPC)
421 & 140	SAUDI BASIC INDUSTRIES CORPORATION (SABIC)
151	SCHMIDT + CLEMENS GROUP
531	SCHMIDTSCH SCHACK ARVOS
295	SIXT RENT A CAR
633	SURFACTANTS DETERGENT'S COMPANY
133	TATWEER PETROLEUM
291	TECHNIP FMC
345	THE GULF HOTEL BAHRAIN CONVENTION & SPA
293	UNIVERSITY OF BAHRAIN (UOB)
233	ZHEJIANG XINYONG BIOCHEMICAL



zeroOne

Zero.One® is a sensor and cloud based system for real time analysis of your Schmidtsche® Transfer Line Exchanger. Online monitoring, diagnosis, predictions and recommendations minimize downtimes, consequently improving the utilization of industrial plants.



PROCESS HEAT TRANSFER WITH **CLOUD BASED** **INDUSTRY 4.0 SOLUTION**

Schmidtsche® Transfer Line Exchangers are known for being best technology in class due to its superior OVAL HEADER | DOUBLE TUBE DESIGN. Highest selectivity in the ethylene production process is now additionally combined with cost cutting predictability features.

SCHMIDTSCHESCHACK has developed the IoT based prediction system Zero.One® that enables real time performance monitoring of your facility. Individual dashboard parameters indicate the exact dates when cleaning, maintenance or repair on your Transfer Line Exchanger is required, allowing precisely predictable service actions and just-in-time spare part supply. Zero.One® gives you the means to listen to your Schmidtsche® Transfer Line Exchanger, significantly reducing the occurrence of unexpected incidents and related downtime costs.



SCHMIDTSCHESCHACK | ARVOS GmbH
Ellenbacher Straße 10
34123 Kassel, Germany
www.schmidtsche-schack.com

Any questions? Please contact:
Julia Möller | Product owner Zero.One®
+49 561 9527-123
julia.moeller@arvos-group.com

SCHMIDTSCHESCHACK



24TH WORLD ENERGY CONGRESS



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STAND NO. 21

The triennial World Energy Congress is the world's largest and most influential energy event covering all aspects of the energy agenda. Running since 1924, the Congress enables dialogue among Ministers, CEOs, policy-makers and industry practitioners on important developments in the energy sector. A flagship event of the World Energy Council, the Congress offers a unique platform for global energy leaders to explore new energy futures, critical innovation areas, and new strategies. The 24th edition of the World Energy Congress will be held in Abu Dhabi, UAE, from 9th to 12th September 2019.

ADAMS ARMATUREN



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Contact Number **+973 3790309**

STAND NO. 553

The inventor of the triple-eccentric valve
The ideal solution for every requirement...

Different requirements and application areas demand customized solutions. Optimal sealing tightness for every operation within a wide range of temperatures, pressure levels, and media is a common feature of all ADAMS butterfly valves. Every product from ADAMS valves company has been designed according to the most demanding quality standards so that clients can rely on the long-term unfailing performance of their valves, even in the most critical applications.

AICHE



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STAND NO. 23

AIChE is a professional society of more than 60,000 members in more than 110 countries. Its members work in corporations, universities and government using their knowledge of chemical processes to develop safe and useful products for the benefit of society. Through its varied programs, AIChE continues to be a focal point for information exchange on the frontier of chemical engineering research in such areas as nanotechnology, sustainability, hydrogen fuels, biological and environmental engineering, and chemical plant safety and security. More information about AIChE is available at www.aiche.org

ANHUI TIANRUN CHEMICALS



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STAND NO. 235

TIANRUN is dedicated in manufacturing and selling of water-soluble functional polymer new material polyacrylamide used in sewage treatment, oilfield exploitation, paper-making, and mining industries. According to customer requirements, we can provide PAM products in 5 series, including, anionic, cationic, nonionic, amphoteric and emulsion. And it has passed European Union Chemicals REACH authentication, American NSF authentication, Halal and Kosher certificate.

Our company has passed ISO9001, ISO14000, OHSAS18001 management system authentication. It is a national standard maker of polyacrylamide and potable water grade polyacrylamide. Five kinds of PAM products have gained product quality authentication approved by PetroChina.



Atlas Copco

Atlas Copco Rental

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Our team of experts offer full-service rental solutions including planning, transport and on-site support, you can depend on us to supply quality equipment that is certified, reliable and energy-efficient for all your needs.

atlascorentals.com

ARKEMA FRANCE



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STAND NO. 15



A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance in lightweight and design materials, biosourced materials, new energies, water management, solutions for electronics, and the performance and home insulation.

A global manufacturer in specialty chemicals and advanced materials, with 3 business segments - High-Performance Materials, Industrial Specialties and Coating Solutions - and globally recognized brands, the Group reports annual sales of 8.3 billion euros. Buoyed by the collective energy of its 19,800 employees, Arkema operates in 55 countries.

ASHCROFT AL RUSHAID INSTRUMENT



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STAND NO. 10



AARICO, the joint venture of Al Rushaid petroleum Investment Company with Ashcroft Nagano Keiki Inc. U.S.A, located in Jubail Industrial City, Saudi Arabia, is the only manufacturer of Pressure and Temperature instruments in the Middle East. The scope of AARICO products includes Pressure Gauges, Temperature Gauges, Pressure Switches, Thermo Wells, Temperature Switches, Diaphragm seal. Ashcroft products are widely used in different applications like oil Refineries, Petrochemical Industries, Water Treatment Facilities, Hydraulic Applications, Power Generation, Fertilizer plants, Pumps and in pipeline projects.

ATLAS COPCO RENTAL MIDDLE EAST



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STAND NO.
141



For short- or long-term demands, for planned contingencies or unexpected emergencies... Atlas Copco Rental Middle East supports you with the most cost- and energy-effective solutions. From oil-free or oil-lubricated compressed air at medium or high pressure to generators for power, steam and/or nitrogen, Atlas Copco Rental ME fleet disposes of state-of-the-art material to design a custom-made solution that will meet your needs. Our engineers design the most suitable temporary installation, accessories are part of the total package. Quality of service, environmental care, and personal safety are guaranteed by our triple ISO certification- an industry first.

Whether you're in Oil & Gas, Manufacturing or Power, we have the machines that suit your industry. Whether you need our equipment for a day, a month or even a year, Atlas Copco Rental ME can recommend the ideal solution for your project. Whatever the application and whatever the equipment you need.

BAHRAIN CHEMICAL ENGINEERS (BCHEME)










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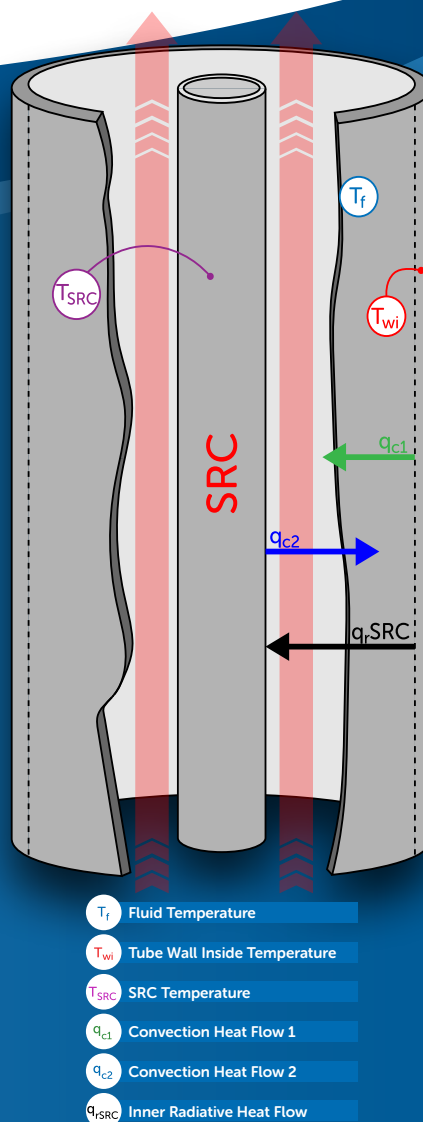
STAND NO.
655



BChemE is the hub for chemical engineers in the Kingdom of Bahrain. Our mission is to engage professionals and the youth in the chemical engineering fields, promoting best industry practices, skills, and knowledge, to ensure life-long professional development.

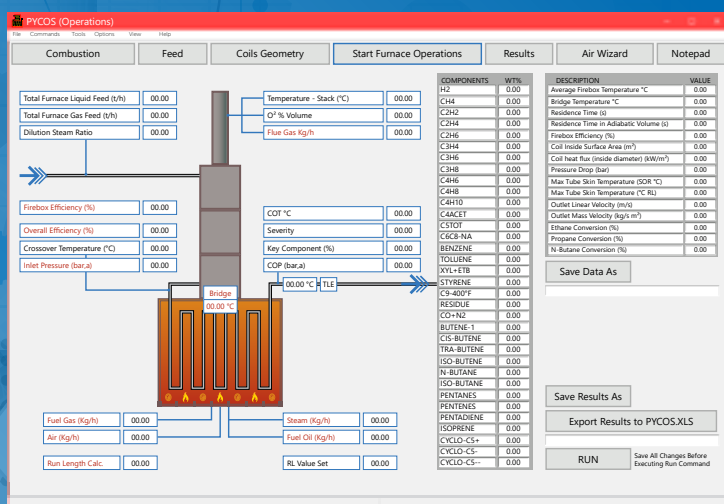
SRC Super Radiant Coil Technology

-  **YIELD IMPROVEMENTS**
-  **REDUCED COKING RATE / INCREASED RUN LENGTH**
-  **INCREASED HEAT TRANSFER AREA / REDUCE VOLUME**
-  **ENHANCED HEAT TRANSFER**
-  **SHORTENED RESIDENCE TIME**
-  **REDUCED TUBE METAL TEMPERATURE**
-  **REDUCED SELECTIVITY LOSS DURING THE RUN LENGTH**



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ETHYLENE FURNACE KINETICS SIMULATOR



BAHRAIN PETROLEUM COMPANY (BAPCO)



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STAND NO. 133

Bapco is a unique company, which has never stood still. The first to discover oil in the Arabian Peninsula in 1932, it started exporting in 1934, and refining in 1936. Bapco, wholly owned by the Government of Bahrain, is engaged in the oil industry including refining, distribution of petroleum products and natural gas, sales and exports of crude oil and refined products.

The company owns a 260,000 barrel-a-day refinery, storage facilities for more than 14 Million barrels, a marketing terminal, and a marine terminal for its petroleum products. Ninety-five percent of its refined products are exported. Bapco's prime customer for Crude oil are based in the Middle East, India, the Far East, South East Asia and Africa.

BAKER HUGHES, A GE COMPANY



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Contact Number **+966 138929782**

STAND NO. 542

Baker Hughes, a GE company (NYSE:BHGE) is the world's first and only fullstream provider of products, services, and digital solutions.

BHGE Downstream Chemicals provide a superior cost effective solutions for petrochemical and refinery water and process treatment applications.

Drawing on a storied heritage of invention, BHGE harnesses the passion and experience of its people to enhance productivity across the oil and gas value chain.

Backed by digital industrial strength, the company deploys minds, machines and the cloud to break down silos and reduce waste and risk, applying breakthroughs from other industries to advance its own.

With operations in over 120 countries, the company's global scale, local know-how and commitment to service infuse over a century of experience with the spirit of a startup – inventing smarter ways to bring energy to the world.

BAHRAIN NATIONAL GAS COMPANY (BANAGAS)



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Email **Ahmed.Adel@banagas.com.bh**

STAND NO. 133

The Bahrain National Gas Company (Banagas) is 75% owned by nogaholding, 12.5% by Chevron Bahrain and 12.5% by Boubyan Petrochemical Company.

The primary objective of the Company is processing Bahrain field associated gas into marketable products, propane, butane and naphtha, which are exported worldwide and also supplying residue gas for local industrial use.

The Bahrain National Gas Expansion Company S.P.C was incorporated in 2008 when the Banagas Expansion Project was converted into an independent company, wholly owned by nogaholding. The company was established to meet the growing associated gas production in line with strategies to enhance oil production from the Bahrain field.

In January 2016 the Bahrain National Gas Expansion Company S.P.C. and J.G.C. Corporation of Japan signed an Engineering, Procurement and Construction (EPC) contract agreement to construct a new Gas Processing Plant (CGP-III) of 350 MMSCFD capacity in the Bahrain Oil Field. In the same year an EMC contract was signed with J.G.C. Gulf International Co. Ltd. to construct the Field Pipelines and Sitra Storage Expansion Project. The Plant and Storage facilities were commissioned on November 2018.

BD ENERGY SYSTEMS



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STAND NO. 12

BD Energy Systems, located in Houston, Texas, USA, executes projects on an EPC-Turnkey basis with a team of industry-leading experts having a combined knowledge and experience of more than 150 years in High-Temperature Furnace applications across all major disciplines.

BD Energy Systems, in agreement with Pycos Engineering PTE LTD, has access to the proprietary PYCOS kinetic simulator for conducting performance modeling of cracking furnace radiant designs in addition to the exclusive rights to offer the patented "SRC" Super Radiant Coil Technology. This technology has been shown to extend furnace run lengths substantially and to improve olefin yields. The SRC coil can also be easily retrofitted into an existing furnace design. BD Energy Systems also provides process studies and services such as commissioning, start-up, operations training, and construction- technical advisory services to resolve any critical issues encountered with the cracking furnace.



ABOUT CRI CATALYST COMPANY

CRI Catalyst Company is part of CRI/Criterion Inc., the global catalyst technology company of the Shell Group. CRICC operates research laboratories, development facilities, manufacturing plants and business units throughout the world. It provides a broad customer base with effective and cost-efficient catalysts and technologies.

CRI has a range of products with specific focus on environmental applications, hydrogen separation and recovery, selective oxidation and hydrogenation, dehydrogenation and the production of renewable fuels.

BEIJING ZHONGHANGHUA SAFETY VALVE SALES



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STAND NO. 143

Beijing ZHH Flow Control System Co., LTD founded in 1998, is the professional sales enterprise of HT11 series safety valves and special valves. ZHH is nowadays one of the key supporters of safety valves both at home and abroad, the products of which not only grab larger market shares in China, but also export to Southeast Asia, Africa, the Middle East, North America, South America and so on. ZHH insists on pursuing excellence and innovation as well as rewarding all friends with best products based on highly qualified management talents, reliable and fast service and friendly communication with customers. With the approval of State Science and Technology Commission, We are the only safety valve manufacturer in China with ASME UV, ASME V, ASME UD certificate. We believe we can create great success in the future with you!

BORSIG PROCESS HEAT EXCHANGER

BORSIG

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STAND NO. 11

BORSIG Process Heat Exchanger GmbH is the world's leading developer and manufacturer of waste heat recovery systems, transfer line exchanger systems and scraped surface exchangers for high-pressure and high-temperature applications. Our pressure vessels and heat exchangers can be used for gas pressures up to 350 bar (35,000 kPa), gas inlet temperatures up to 1,500° C and steam pressures up to 160 bar (16,000 kPa).

For over 180 years, the name BORSIG has stood for the highest quality, reliability and maximum efficiency. State-of-the-art technology, highly qualified employees and innovative engineering make it possible to always offer our customers the perfect solution. Each pressure vessel and a heat exchanger is tailor-made and the result of our innovative capability, experience, and quality awareness.

This is why we are a preferred partner for all leading companies in the chemical and petrochemical industry.

CHEVRON PHILLIPS CHEMICALS COMPANY



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Email **chuay@cpchem.com**
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STAND NO. 17

Chevron Phillips Chemical has been a commercial ethylene producer since 1950s and has nine ethylene crackers now. Chevron Phillips operates more than 30 manufacturing facilities and has seven research and technology centers.

Chevron Phillips Chemical's success with E-Series® catalyst goes far beyond its acetylene converters. Chevron Phillips can custom formulate catalysts based on customers' needs and process design and offers catalysts with higher selectivity, improved stable operation without runaways, longer cycle run lengths and longer overall catalyst life. The fact that Chevron Phillips is both an ethylene producer and catalyst supplier is a great benefit to our customers.

CHINA NATIONAL CHEMICAL INFORMATION CENTER



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STAND NO. 231

China National Chemical Information Center (CNCIC) is a world-famous chemical information provider, which has been engaged in the chemical exhibition, consulting service, publication, and conference organization since 1958. After 20 years of development, CNCIC Exhibitions business has won wide acclaim and praise from home and abroad and keeps growing. With our business covering such vertical markets as chemical industry, dyeing and coating, rubber products and chemicals, energy and environment, agriculture, food, we've held a number of exhibitions in many developed countries and emerging markets such as America, Finland, Russia, Turkey, India, Bangladesh, Thailand, and Brazil, and provided strong support to our customers to help them capture the international business opportunities and participate in the emerging markets. CNCIC Exhibitions has helped over 10,000 exhibitors receive government funds these years.

CIRCOR



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STAND NO. 13



CIRCOR is a market-leading, global provider of integrated flow control solutions specializing in the manufacture of highly engineered valves, fittings, pipeline products and services, and associated products, for critical and severe service applications in the oil and gas, power generation and process industries. Comprised of best-in-class, historically significant product brands, we consistently satisfy our customers' mission-critical application needs by utilizing advanced technologies that can withstand extreme temperatures and pressures, from land-based to sub-sea and in between. Products are Automatic Recirculation Valves, Ball Valves, Coke Drum Unheading Valves, Control Valves, PD Pumps, FCCU Valves, On/Off & Shut Off Valves, Regulators, Safety & Relief Valves, Needle Valves, Positive displacement pumps, Pilot Operated Relief Valves, Pressure Controllers, Instrument Valves, Isolation Valves, Tube Fittings, Sampling Systems, Pigging Tools, Pig Signallers, Quick Opening Closures.

CRI CATALYST COMPANY



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STAND NO. 14



CRI Catalyst Company is part of CRI/Criterion Inc., the global catalyst technology company of the Shell Group. CRICC operates research laboratories, development facilities, manufacturing plants and business units throughout the world. It is dedicated to providing a broad customer base with effective and cost-efficient catalysts and technologies. CRI has a range of products with a specific focus on environmental applications, hydrogen separation and recovery, selective oxidation and hydrogenation, dehydrogenation and the production of renewable fuels.

DAILY THERMETRICS



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STAND NO.
20

Daily Thermetrics, based in Houston, Texas, is specialized in engineering and manufacturing high-performance temperature instrumentation for critical process units since 1973. DAILY has patented technologies that have been proven superior in the industry.

Daily Thermetrics has notable experience with the major end users at the Middle East including Saudi Aramco, ADNOC, ENOC, Kuwait National Petroleum Company(KNPC), Equate, Alexandria National Petroleum And Refining Co. and BAPCO.

DRESSER AL RUSHAID VALVE & INSTRUMENT



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Email **admin1@darvico.net**
Contact Number **+966 133410278**

STAND NO.
9

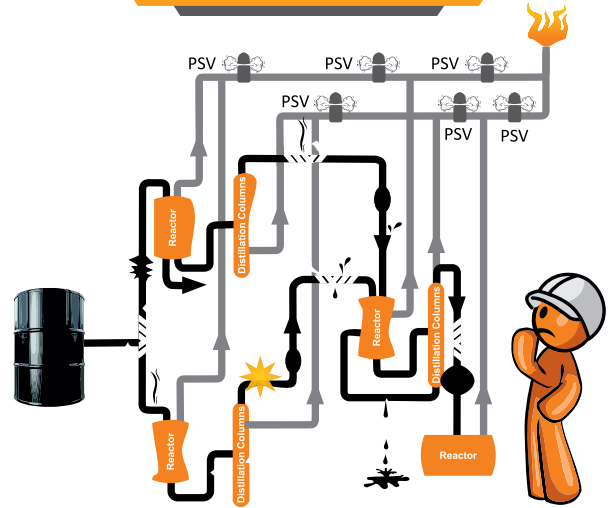
Dresser Al Rushaid Valve & Instrument Co. Ltd. is a joint venture formed between Al Rushaid Petroleum Investment Company and Dresser International Inc. BHGE Oil & Gas Company. The product portfolio of Darvico includes widely recognized, high-quality, reciprocating, rotary and severe service BHGE's Masoneilan Control valves, pneumatic regulators and field instrumentation as well as expertise in valve design, material selection, and control system interface. Darvico's product portfolio also includes BHGE's Consolidated pressure relief valves which help to enhance the health of customer assets. Known for their dependability and safety in the most demanding process applications, BHGE's Masoneilan and BHGE's Consolidated products help customers in power generation, nuclear, oil & gas, refining, petrochemical, water treatment facilities, gas transmission and LNG industries around the world to increase productivity and reduce operational costs.

OVERALL ASSET EFFECTIVENESS

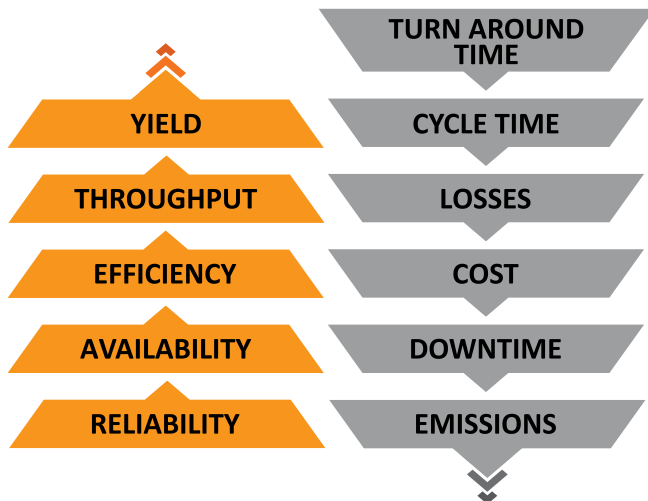
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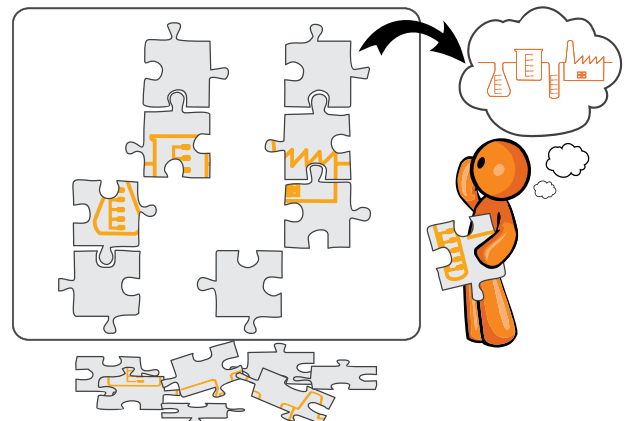
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PROCESS DESIGN & CAPITAL PROJECTS



ELLIOTT GROUP



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STAND NO. 161

For over 100 years, companies around the world have chosen Elliott for the design, manufacture, and service of their critical turbomachinery. Products include centrifugal and axial compressors, steam turbines, power recovery expanders, cryogenic pumps and expanders, and auxiliary systems. Elliott turbomachinery is used in the oil & gas, liquefied gas, refining, and petrochemical industries, and in other process and power applications. Elliott also offers complete global service packages including parts, repairs, maintenance, field service, engineering, training, and customized research.

With thousands of installations worldwide, Ebara Cryodynamics™, a wholly owned subsidiary of Elliott, is the recognized global leader for submerged electric pumps and expanders in liquefied gas applications. Ebara Cryodynamics is the premier manufacturer of standard and custom cryogenic pumps and expanders, delivering continuous advances in equipment design and technology.

GIORGIO



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STAND NO. 541

Facecup is a food and beverage company. We hold the brand rights for Giorgio Cafe for all GCC countries. We also engage in distribution to local coffee shops, hotels, restaurants, and individuals in GCC.

GULF DOWNSTREAM ASSOCIATION (GDA)



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STAND NO.
551

The Gulf Downstream Association (GDA) was established by its Founding Companies from Saudi Aramco, Kuwait Petroleum International (KPI), Bahrain Petroleum Company (BAPCO), Kuwait National Petroleum Company (KNPC) and Abu Dhabi National Oil Company (ADNOC).

GDA is a non-profit organization aiming to bring Downstream players together to further develop the industry and draw benefits from knowledge sharing and best practices. GDA's Headquarters is located at the GBCORP Tower of Bahrain's Financial Harbour.

GULF PETROCHEMICALS AND CHEMICALS ASSOCIATION (GPCA)



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STAND NO.
651

The Gulf Petrochemicals and Chemicals Association represents the downstream hydrocarbon industry in the Arabian Gulf. Established in 2006, the association voices the common interests of more than 250 member companies from the chemical and allied industries, accounting for over 95% of chemical output in the Arabian Gulf region. The industry makes up the second largest manufacturing sector in the region, producing over USD 108 billion worth of products a year.

The association supports the region's petrochemical and chemical industry through advocacy, networking and thought leadership initiatives that help member companies connect, share, contribute and become prime influencers in shaping the future of the global petrochemicals industry. Committed to providing a regional platform for stakeholders, GPCA manages six working committees – Plastics, Supply Chain, Fertilizers, International Trade, Research and Innovation, and Responsible Care – and organizes six world-class events each year.



COKE REMOVAL FROM
QUENCH OIL
COKE & TAR REMOVAL FROM
QUENCH WATER
COKE SEPARATION FROM
DECOKING GAS
BENZENE EXTRACTION
NAPHTHALENE DISTILLATION
FEEDSTOCK FILTRATION
QUENCH WATER COALESCERS
PYROLYSIS GASOLINE
FILTRATION & TREATMENT
FUEL GAS FILTRATION
& TREATMENT
PRIMARY, QUENCH & CAUSTIC
TOWERS RECONSTRUCTION
RED OIL REMOVAL FROM
CAUSTIC WASH
WASTE WATERS TREATMENT
FEEDSTOCK STORAGE TANKS
AUTOMATIC DEWATERING
FLARE SYSTEMS



INGENERO



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STAND NO.
186

Ingenero applies the most advanced Big Data Analytics and simulation solutions to process plants to significantly increase production (e.g. ethylene furnace run-lengths; improved recovery, efficiency, and throughput; the longer time between turnarounds; etc.) and also help with faster internal resource development. As a world-class engineering firm delivering unsurpassed process engineering design, taking this design through construction and then also providing proactive ongoing operational support; Ingenero differentiates itself from all other engineering firms. Ingenero delivers its simulation and data analytics strength to its customers in customized software solutions and services.

INTECHA DEUTSCHLAND



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STAND NO.
181

Intecha is a design, engineering, procurement, and trade company, which elaborates large scale of services - from studies up to the full EPC service (Engineering, Procurement, and Construction) including operators training for petrochemical as well as general oil and gas downstream markets.

Intecha's main technologies:

- Automatic Dewatering of Storage Tanks
- Fuel Gas Filtration & Treatment
- Benzene Extraction
- Naphthalene Distillation
- Coke Removal from Quench Oil
- Pyrolysis Gasoline Filtration & Treatment
- Coke-Tar Removal from Quench Water
- Primary Quench & Caustic Tower Reconstruction
- Coke Separation from Decoking Off-Gas
- Quench Water Coalescers
- Feedstock Filtration
- Red Oil Removal from Caustic Wash
- Flare Systems Construction / Reconstruction
- Waste Water Treatment

KBR TECHNOLOGY

KBR

TECHNOLOGY

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STAND NO.
271

KBR is a global provider of differentiated professional services and technologies and employs over 34,000 people worldwide (including our joint ventures), with customers in more than 75 countries, and operations in 40 countries, across three synergistic global businesses: Technology, Hydrocarbons Services and Government Services.

KBR Technology is focused on the monetization of hydrocarbons in refining, olefins, chemicals, ammonia and fertilizer, evaporation and crystallization, acid treatment, automation technologies, etc. KBR has licensed, designed or constructed more than 60 greenfield refineries and over 1,000 refining units of every type and size the world over.

KBR has been a leader in olefin plant design, construction and technology development for more than 50 years. In ammonia technology, KBR has been involved in the licensing, design, engineering, and/or construction of more than 230 grass roots ammonia plants and over 100 revamp ammonia projects globally.

KINETICS PROCESS IMPROVEMENTS, INC

***Kinetics Process Improvements, Inc.***

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STAND NO.
183

KPI, Houston (USA) has provided consulting and advisory services globally for over 100 different Petrochemicals & Chemicals projects since 2006. KPI worked as "Owner's Engineers" for three large projects including Propylene derivatives complex in Saudi, Ammonia for Saudi & Methanol for the USA. Our breadth of technology expertise coupled with our deep understanding of Business initiatives along with our resources provides the value addition for business solutions for the new projects as well as upgrading the existing facilities. We also provide improvements to existing facilities through revamping design studies as well as customized process and technology training workshops in Ethylene, Ammonia and Methanol plants.

KPI has since completed over 50 revamp studies for Ethylene, Ammonia and Methanol plants using their kinetics and yield models for those processes. Also carried out more than 50 customized technology & operations workshops for Ethylene, Ammonia and Ammonia plants.

KNOWLEDGE HUB IS NOW LIVE!



We are pleased to inform you that the "Knowledge Hub" on our website is now Live. GDA members can now share their knowledge and experience more effectively through the following interactive portals:

**Best Practices, Articles, White
Papers and Presentations
Case Studies
Lessons Learned
Ask the Experts
Discussion Board**

**Bite Sized Videos
Expertise Listing
Reference Corner**
- Industry Newsflash
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www.gda.org.bh

To be part of GDA, please email Claudia Hardt at claudia.hardt@gda.org.bh.

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY



جامعة الملك عبد الله
للعلوم والتقنية
King Abdullah University of
Science and Technology

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STAND NO.
554

Established in 2009, King Abdullah University of Science and Technology (KAUST) is a graduate research university devoted to finding solutions for some of the world's most pressing scientific and technological challenges. With 19 research areas related to these themes and state-of-the-art labs, KAUST has created a collaborative and interdisciplinary problem-solving environment, which has resulted in over 11,000 published papers to date.

With over 100 different nationalities living, working and studying on campus, KAUST has brought together the best minds and ideas from around the world with the goal of advancing science and technology through distinctive and collaborative research. KAUST is a catalyst for innovation, economic development and social prosperity in Saudi Arabia and the world.

For additional information, visit: www.kaust.edu.sa

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS (KFUPM)



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STAND NO.
292

King Fahd University of Petroleum & Minerals (KFUPM) is a leading educational organization for science and technology. It aims at being a preeminent institution known for its globally competitive graduates, cutting edge research, and leadership in energy discoveries.

KFUPM ranked fifth among universities worldwide in 2018 in terms of the number of patents registered, according to IFI CLAIMS, which provides international industries with annual reports on patents. The total number of patents registered by KFUPM in the US Patent Office rose to 1,040 by the end of 2018.

KFUPM paved the way for its success by focusing on excellence in basic research. Then establishing Dhahran Techno Valley ecosystem, which is considered the world's largest gathering of Energy research centers. The ecosystem is composed of:

- Innovation and Technology Transfer
- Business Development and Industrial Relations
- Technology Advancement & Prototyping Center
- Entrepreneurship Institute

KUBOTA SAUDI ARABIA COMPANY



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STAND NO.
255



In 2009, KUBOTA Saudi Arabia (KSACO) started its history focusing on services to society by offering environmentally compatible products designed to improve the quality of life.

With leading technology in manufacturing products that serve the fields of water, Oil and Petrochemical industries, KUBOTA proudly reveals its ambition of spreading its growth and services from Saudi Arabia to other Arabian(Middle East) countries, Europe and North Africa with a commitment of serving the development of countries and societies.

KUBOTA shall promote the structural reforms of business and strive to recover and enhance profitability.

KUBOTA... For Earth, For Life.

KURITA AQUACHEMIE



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STAND NO.
251



Kurita Europe GmbH is a subsidiary of Kurita Water Industries Ltd. headquartered in Tokyo (Japan). Founded in 1949, Kurita is one of the international market leaders in Industrial water and Process technologies. Its growing expertise in water and process treatment, its leadership in the Asian market with a growing market base in the West winning references in almost all major multinationals - Total, Shell, BP, BASF, KNPC etc. Has own R&D centers with more than 3,500 patents. Kurita is a trusted solutions provider for both Water and Process Treatment Chemicals with several key technologies to maximize production, protect assets and Streamline environmental footprint.

AquaChemie is Kurita Partner in GCC. It is a Chemicals Supply and Services company, operating primarily in GCC countries. A Company, driven by chemical engineers, differentiates itself through Integrity & Compliance, Commitment to Safety, On-Site technical support & Supply Chain capability/ Response.

Filtration and Separation Technologies

PALL Corporation is a global leader in solving complex contamination, separation, and purification problems for the Petrochemical industry.

Key applications include:

- Catalyst protection
 - Compressor protection
 - Acid Gas Removal unit protection
 - Liquid & Gas feed purification
 - Quench water treatment
 - Fuel Gas treatment
- High efficiency gas & liquid coalescers
 - High efficiency cartridge filters
 - Mobile filtration units
 - Scientific & engineering support services



Pall Middle East FZE

MAI Zahrawy Building, Building # 34,
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Dubai Health Care City, Dubai
P.O. Box 71569
United Arab Emirates

info-middleeast@pall.com
Tel: + 971 4 550 8600



www.pall.com

Filtration. Separation. Solution.™

MANOIR INDUSTRIES



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STAND NO. 163

Established in 1917, Manoir Industries is one of the world's leading manufacturer of Heat Resistant Alloys, for petrochemical & nuclear applications. With more than 100-year expertise in the foundry, Manoir Industries manufactures high-performance cast components such as radiant coils, bare & finned tubes, fittings and return bends etc. for the cracking industry worldwide. Its state-of-the-art R&D center keeps developing new materials as the Manaurites®, the latest one is the Manaurite® XAl4 dedicated to this market.

Based on its expertise and to meet the customer's requirements, services are provided, such as furnace process simulation tools to highlight innovation advantages, welding on site, non-destructive carburization device to quantify precise carburization levels and evaluate further failure analysis, and its robotic tube cleaning to foster better furnaces' operability and to make significant energy savings.

MATHIAS TOURS AND TRAVELS



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TRAVEL SERVICES

Mathias Tourism is a well established Tourism Company (DMC) based in the Kingdom of Bahrain, specializing in inbound tourism. We pride ourselves in being dynamic and specialized, offering a varied spectrum of services and innovative ideas to our regular and corporate clients. We are well versed in organizing hotels, transfers, tours, visas and many other services. We focus on quality, personalized service and dependability.

MITSUBISHI HEAVY INDUSTRIES COMPRESSOR CORPORATION (MCOSA)



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STAND NO.
253

Since building Japan's first centrifugal compressor in 1917, Mitsubishi Heavy Industries Compressor Corporation (MCO) has been renowned as the most reliable manufacturer through its highest technological background and customer-oriented services. Backed by its wealth of experience, MCO has brought forth various improvements in compressor design, production, and applications. Thanks to these efforts, Mitsubishi Compressor, and Steam turbines are now used in the various world's Petrochemical plants such as Ethylene plants, Fertilizer plants, etc. MCO continuously improves its technologies from the feedbacks of the compressor-turbine units working in the plants all over the world.

In the Middle East region, MCO has provided after sales services to our customers through a group company of MCO, MCO Saudi Arabia LLC (MCOSA). MCOSA provides a "First.

NALCO CHAMPION



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STAND NO.
18

Nalco Champion, an Ecolab company, provides safe, sustainable chemistry programs and services to the upstream and midstream oil and gas industry, refineries and petrochemical operations. Through onsite problem solving and the application of innovative technologies, we maximize production, optimize water use and overcome complex challenges in the world's toughest energy frontiers.

Passion Innovation Tradition



Innovative technologies that generate added value for the petrochemical industry

SCOPE® FUSION HTE

- Rotating feed flow
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- Less coking and carburization
- Longer runs of the steam cracker
- Increased selectivity
- Optimized energy efficiency of the entire furnace

S+C CENTRALLOY® HTE

- Less catalytic coke formation
- Increased coil life
- Increased furnace availability
- Reduced maintenance costs

Please visit us at booth 151.

NATIONAL OIL & GAS AUTHORITY (NOGA)



STAND NO.
133

Vision

To be the Oil and Gas recognized leader fueling economic growth and improving living standards.

Mission

To regulate, oversee and develop Oil and Gas and related industries in the Kingdom of Bahrain with the aim of:

- Providing general policies and strategic direction.
- Securing sustained supply of Oil and Gas to meet existing and future requirements.
- Maximizing return and contribution for the growth of National Economy.
- Effectively optimizing utilization of resources.
- Promoting Private investment.
- Encouraging research and development.
- Sustaining "World Class" safety, health and environmental standards.
- Ensuring compliance with Corporate Governance.
- Developing leadership and human resources.
- Promoting and supporting Best Practices.

NOGA has also strategic Objectives such as:

First: Realization of Long-Term Financial Returns.

Second: Petroleum Legislations & Policies.

Third: Enhancement of the Contribution of the Oil Sector in Supporting the Economy.

Fourth: Joint Ventures.

Fifth: Maximize Effort to Develop National Manpower and Indigenize Positions in the Petroleum Industry.

Sixth: Co-Ordination with GCC, Other Arab and International Countries.

Seventh: Provision of Local Market Petroleum and Gas Product Requirements.

NOGAHOLDING



STAND NO.
133

The Oil & Gas Holding Company (nogaholding), the investment and business development arm of the National Oil and Gas Authority (NOGA) in the Government of the Kingdom of Bahrain, was established in 2007 and plays a key role in the implementation of NOGA's strategies. The company aims to create shareholder value by the successful portfolio management of the Government of the Kingdom of Bahrain's shareholdings in oil, gas and petrochemical assets. nogaholding's portfolio includes: The Bahrain Petroleum Company (BAPCO), The Bahrain National Gas Company (Banagas), The Bahrain National Gas Expansion Company (Tawseah), The Bahrain Aviation Fuelling Company (BAFCO), The Bahrain Lube Base Oil Company (BLBOC), The Gulf Petrochemical Industries Company (GPIC), Tatweer Petroleum, Bahrain LNG W.L.L. and Bahrain Gasoline Blending (BGB) Company.

PALL CORPORATION



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STAND NO.
153

Pall Corporation designs and supplies a wide range of Filtration and Separation technologies to eliminate solid and liquid contaminants from fluids including particulate filters for gas and liquid service, liquid/gas coalescers, liquid/liquid coalescers. Retrofit filters and coalescers are available as direct 'drop-in' replacements of existing cartridges, with no housing modifications. These products, along with our local Service capabilities (rental, testing) and our engineering capabilities enable us to fulfill diverse fluid purification requirements in any size. Pall technologies have proven superior field performance, enabling operators to enhance plant reliability and availability, reduce operational costs, and meet product quality. Throughout the Middle East region and globally, Pall technologies and services enhance the protection of units and equipment that are critical to production, such as catalysts, furnaces, columns, compressors, heat exchangers.

PARALLOY LIMITED



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STAND NO.
16

Paralloy manufactures radiant coils and transfer lines for use in high-temperature ethylene cracking furnaces. With more than 60 years' experience of manufacturing centrifugally cast tube and statically cast fittings in heat resistant alloys for the petrochemical industry, Paralloy are at the forefront of alloy and product technology for high-temperature heat resistant materials.

Manufacture is undertaken at our site in Teesside UK, which has a long association with the production of petrochemicals, where we cast, machine and fabricate all designs of radiant coils for customer's world-wide.



Impact

Im

Elements for Innovation

KAUST drives innovation and technology development for public benefit. Our Research and Technology Park is co-located with the University to facilitate corporate partnerships, technology transfer and entrepreneurship in support of economic development for the nation and the world. Leveraging discoveries from our faculty, KAUST is positioned to accelerate both early-stage and market-ready technologies.

www.kaust.edu.sa

جامعة الملك عبد الله
للعلوم والتقنية
King Abdullah University of
Science and Technology



PENTAIR FILTRATION SOLUTIONS



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STAND NO. 19

Pentair O&G designs and manufactures advanced separations technologies for solid, liquid and gas separation. These technologies are used to optimize a wide array of hydrocarbon processes through the creation of balanced systems. Our technologies help increase the throughput of processing facilities, while simultaneously reducing operating costs and waste. Our efforts involve diagnostic and analytical work by our Scientific, Testing, Analysis, Research (STAR™) Laboratories, and Technical Services Groups. Our technical staff, that includes Ph.D. scientists and engineers of various disciplines, survey processes for root-cause issues that generate costs and inefficiencies and develop solutions that inherently foster lower capital and operating costs.

RAAZJI



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STAND NO. 7

Raazji celebrates Bahrain, its people, its culture, its diversity and its values.

Being an island nation, it has attracted many of the most prosperous civilizations since 3000 BC. It's welcoming nature has absorbed the best of the world and yet has managed to maintain it's sparkling identity.

We at Raazji aim to celebrate this phenomenon through food. Embark on this journey with us as we bring together the best of Arabia and the rest of the world just for you to savour in every bite.

S-CHEM



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STAND NO.
257

Saudi Chevron Phillips Company (SCP) produces benzene, cyclohexane and Motor- Gasoline component. Saudi Polymers Company (SPCo) produces Ethylene, Propylene, Polyethylene, Polypropylene, Polystyrene and -1Hexene and includes a world-class Olefins cracker. S-Chem is a pioneering company in the petrochemical field with international partnerships with companies that have vast global experience, state-of-the-art technologies and a large customer base. Saudi Chevron Phillips Company (SCP), Jubail, Chevron Phillips Company (JCP) and Saudi, Polymers Company (SPCo), are collectively known as S-Chem.

SAUDI ARABIAN SECTION OF AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (SAS-AICHE)



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STAND NO.
555

The Saudi Arabian Section of the AIChE is a self-governing unit, founded in 1988. Since then, the Section has been arranging activities and programs of interest to the membership. Section meetings have provided members with an opportunity to meet in an informal professional atmosphere with those in engineering and management functions in other organizations. The section has been very successful in attracting high-quality speakers for a variety of topical subjects. The subjects presented, though related to Chemical Engineering and Process Industries, are often of a strategic and economics nature. And the regular meetings have been well attended by various industries and academia in Saudi Arabia. Our mission is to provide an opportunity for engineers and other professionals at various engineering and management levels, including owners, engineering contractors, authorities, consultants & equipment suppliers, to meet fellow engineers, and to discuss subjects of common interest and ensure closing all gaps.

SAUDI BASIC INDUSTRIES CORPORATION (SABIC)



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STAND NO.
421 & 140

SABIC is a global leader in diversified chemicals headquartered in Riyadh, Saudi Arabia. We manufacture on a global scale in the Americas, Europe, Middle East and Asia Pacific, making distinctly different kinds of products: chemicals, commodity and high performance plastics, agri-nutrients and metals.

SCHMIDT + CLEMENS GROUP



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STAND NO.
151

Schmidt + Clemens, the high-grade steel specialist founded in 1879, is the world market leader in tube systems for applications in the petrochemical industry. With over 1000 employees and operating locations in Germany, Spain, the Czech Republic, and Malaysia, the independent family-owned business produces both vertical and horizontal centrifugal castings as well as molded castings. Forged components and investment castings complete the product range. The products and solutions made of high-alloy special steel are used in many applications, including petrochemical industry, energy engineering, industrial furnace construction, separation technology, and the pump industry. Our globally operating Installation Services ensures that tube systems "made by S+C" are installed reliably and professionally on the customer's site.

SCHMIDTSCHESCHACK I ARVOS GMBH

SCHMIDTSCHESCHACK



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STAND NO.
531

ARVOS is a leading designer and fabricator of heat transfer solutions for the chemical and petrochemical industries. Strength is to furnish solutions for process gases at temperatures up to 1,500°C and pressures up to 400 bar.

Examples are:

- Schmidt'sche® Transfer Line Exchangers, - Syngas Coolers, - Process Gas Coolers
- Schack® Air Preheaters, Quench -, Reactor-, and Tailgas Boilers, Oil Preheaters, and Rotary Dryers
- Zero.One®, the sensor-driven predictive maintenance monitoring system for reduced downtime and increased economics.

The main office and workshops of ARVOS I SCHMIDTSCHESCHACK are located in Kassel, Germany. Affiliates are in Düsseldorf, U.S.A., Japan, China, and Singapore.

SURFACTANTS DETERGENT'S COMPANY



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STAND NO.
633

Surfactant Detergent Company Ltd, (SDC) is a new company established in May 2016 to produce and sell raw material for the detergents plants in the middle east.

SDC is the first company in the region to use the advanced technology of the Korean company SFC to produce surfactants. These technologies and local raw materials supplied by Sadara will be used to provide added value in the local market in terms of diversifying the national economy and providing job opportunities for citizens by offering a new product at competitive prices to local and regional customers. SDC plant is being constructed in Jubail Industrial City 2 at PlasChem Park with capacity can reach up to 40,000 MT per annum and the expected production Start-up date is Q1, 2020.

TATWEER PETROLEUM



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STAND NO. 133

In December 2009, Tatweer Petroleum – Bahrain Field Development Company W.L.L., assumed responsibility for the stewardship and revitalization of the mature Bahrain Field and the execution of all activities related to the petroleum operations pursuant to the terms and conditions of the Development and Production Sharing Agreement (DPSA). The DPSA, dated 26th April 2009, entered into between the National Oil and Gas Authority (NOGA) and Occidental, Mubadala, and The Oil and Gas Holding Company (nogaholding).

As of July 2016, the Company is wholly owned by nogaholding, the business and investment arm of NOGA of the Kingdom of Bahrain, which acts as the steward for the Government's investment in a diversified range of energy-related companies.

TechnipFMC



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STAND NO. 291

TechnipFMC is a global leader in subsea, onshore, offshore, and surface technologies.

With our proprietary technologies and production systems, integrated expertise and comprehensive solutions, we are transforming our clients' project economic.

In Ethylene industry, we are the world leader with 50% of the market share. We have a unique experience in the design, construction and modernization of the largest ethylene plants. We design steam crackers from concept to construction and commissioning, including key references such as the steam cracker DOW LHC9, the mixed cracker SADARA and RELIANCE, the unique refinery off gases cracker. Through our innovative technologies, we provide greater assurance in Ethylene project outcomes with engineering teams skilled in all project phases.

Each of our more than 37,000 employees is driven by a steady commitment to clients and a culture of purposeful innovation, challenging industry conventions.

Discover more. TechnipFMC.com

THE GULF HOTEL BAHRAIN CONVENTION & SPA



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STAND NO.
345

Welcome to the Gulf Hotel Bahrain.

The legendary 5-Star hotel of Bahrain, established in the heart of the island since 1969, offers quality Bahraini hospitality and unrivaled luxury facilities.

Conveniently located in the vibrant and central Adliya district, overlooking the Grand Mosque and the Royal Palace, the Gulf Hotel is only 15 minutes away from any main attraction: Airport, Financial district, Malls, and Diplomatic area.

Business travelers, as well as leisure travelers, will be delighted by our high-standard sense of service and the hotel facilities.

UNIVERSITY OF BAHRAIN (UOB)



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STAND NO.
293

As the national university of the Kingdom of Bahrain, the university has a mandate to lead the nation in terms of human capital development, leading innovation, contributing to economic development and leading society. The University has a clear focus on a number of areas that will be key to our success, including the newly established teaching and leadership unit to advance our teaching methods and curricula. Targeted and innovative approaches to research through international and industry collaboration will promote our reputation both regionally and beyond. University of Bahrain has significant international reach and global standing through its students and graduates, research and academic partnerships. Technology is key not only to enhance teaching and learning but also to create a SMART campus that is fitting with the digital age that we now live in. The University of Bahrain is central to the economic growth of Bahrain through offering programs and courses that are aligned with the national economic strategy whilst also ensuring sustainability through operating as a commercial and entrepreneurial university.

ZHEJIANG XINYONG BIOCHEMICAL



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STAND NO.
233

Zhejiang Xinyong Biochemical Co.,Ltd. is one of the branches of Sincere Enterprise. It was founded in June 2004, and located in Ningbo chemical industrial zone, which owns 73.28 million RMB for register capital, and cover an area of 33,000 square meters. We establish a complete management system and have passed ISO9001:2015 Certificate and ISO14001:2015 Environmental Management System Certificate. Products are sold all over China and exported to Asia, the Middle East, South America, Europe, U.S.A., etc.

Cooperating with Tsinghua University and Chinese Academy of Sciences, we are dedicated to research and development of high-quality microbiological-grade acrylamide and water-soluble polymer series products. Our gene engineering directed molecular evolution technology and high molecular weight quick solution polyacrylamide series products have gotten obvious improvement, and realize industrialization production.

Currently our annual output is 40,000 tons for Acrylamide,10,000 tons for Polyacrylamide.

FIND YOUR TECHNICAL HOME

Join the Fuels & Petrochemicals Division.



AIChE® and the Fuels & Petrochemicals Division (F&PD) are extending a special membership offer. Join now to immediately receive full member benefits and access content developed specifically for fuels & petrochemicals professionals, **valued at over \$7,500, for the price of \$209.**

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Receive access to the **AIChE eLibrary, powered by Knovel**. Dive deeper into leading technical handbooks, materials, and critical databases using unique analytical tools to advance your research.



Get a **discount to attend the AIChE Spring Meeting**. As a member of AIChE, you'll receive the lowest rate on AIChE's key technical conference for practicing chemical engineers, featuring programming from the Fuels & Petrochemicals Division.

To learn more about joining this community and educational resources available, visit **AIChE** at **booth 23** or **www.aiche.org/JoinFPD**



Useful Information

Key Dates

Conference and Exhibition: 13 & 14 February 2019

Official Venue

Conference and Exhibition: Bahrain International Exhibition & Convention Centre, Manama, Kingdom of Bahrain

DAY	Registration Timings	Conference Timings	Exhibition Timings
Tuesday, 12th February	14:00 – 19:00		
Wednesday, 13th February	07:00 – 19:00	08:30 – 16:30	10:30 – 17:30
Thursday, 14th February	07:30 – 15:00	08:30 – 15:30	09:30 – 17:00

Opening Ceremony & Ministerial Session

The Official Conference Opening will start at 08:30 in Palm Hall followed by the Official Exhibition Inauguration and VIP Tour in Hall 1 of the Bahrain International Exhibition & Convention Centre. For the confirmed list of speakers please check the Official Program. Access to the ceremony is strictly limited to conference participants.

Conference

Access to the Conference sessions is strictly limited to registered conference participants as well as accredited students, press and media. Delegate badges should be worn at all times to avoid refusal of entry in any of the halls, conference sessions and lunch areas.

Exhibition

All visitors should register before entering the Exhibition Hall. Entry badges should be worn at all times.

Animals of any kind are not allowed in the event.

Destination Management Services

Mathias Tourism is the official Travel Agent and has been appointed to facilitate the following:

- Accommodation & Visa Services - Mathias Tourism can assist the participants with hotel booking and Visa support
- Tours and Other services - Mathias Tourism can also provide tours, meet and greet services, handle special requests for side and parallel events

Please contact: Imran Ahmed Abraham
Mobile: +973 38 866 512 | Tel: +973 17 786 484
Email: mice@mathiastours.com | gcc@mathiastourism.com

Rent a Car

Sixt is the Official Rent a Car Company and be contacted through: Imran Ahmed Abraham of Mathias Tourism

Mobile: +973 38 866 512 | Tel: +973 17 786 484
Email: mice@mathiastours.com | gcc@mathiastourism.com

OTHER ON-SITE SERVICES

Catering

Participants to the Conference will be able to enjoy complimentary coffee breaks and luncheons during the

Conference time in dedicated areas clearly indicated for the occasion.

Filming and Photography

Only the official photographer and videographer, will be permitted to capture or record images of the Conference.

For more details, please contact:

Namitha Sathish
Mobile: +971 50 4752837
Email: namitha@mee-events.com

Social Media

Follow us #EMET2019, MESPEC2019

Mobile App

The program can also be viewed on the Official Mobile App, which will be updated with any changes to the program schedule or presentations during the conference. The mobile app is available on App Store and Google Play Store, search and download "EMET2019".

First Aid

First Aid will be available at the Bahrain International Exhibition and Convention Centre from 13 & 14 February, at the Medical Center Room, Hall 1.

Lost and Found

All lost and found items will be available at the Organizer's Office in Hall 1.

Prayer Room

Prayer rooms are clearly marked and available in Hall 1.

Toilets

Such Amenities are available and clearly marked at the Bahrain International Exhibition and Convention Centre throughout the Venue and will be indicated with clear signage.

Onsite Organizer's Contact Numbers

Raunaq Jamal, Regional Director, Mobile: +973 38717556
Alexis Neron-Bancel, Managing Director, Mobile: +973 38717647

For more information, please contact

Raunaq Jamal, Regional Director – raunaq@mee-events.com

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Supporting Organizations



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24th WORLD ENERGY CONGRESS ABU DHABI | 9-12 SEPTEMBER 2019



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before
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Be part of the only global event that
covers the entire energy spectrum

“Energy for Prosperity”

The flagship event of the World Energy Council, the World Energy Congress is the largest and most influential energy event covering all aspects of the energy agenda. In 2019, Heads of State, Ministers, corporate leadership, innovators and investors will come together in Abu Dhabi for a unique forum, designed to develop collaboration and action.

PROGRAMME



KEY THEMES

- Global Scenarios and Regional Perspectives
- Transformative Innovation
- Markets, Business Models and Consumer Dynamics
- Trilemma and Sustainable Development
- Efficiency and Dynamic Resilience
- Governance Frontiers
- Sector Coupling: Mobility, Storage and Energy-Water-Food nexus
- Management for the Future
- Finance and Investment

Delegate | Visitor Registration Now Open! Visit: www.wec24.org

THE 5TH MIDDLE EAST **PROCESS ENGINEERING** CONFERENCE & EXHIBITION

SAVE THE DATE

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