



# International Downstream Conference & Exhibition 2025

INNOVATING ENERGY, CREATING SUSTAINABLE VALUE

Sept 30<sup>th</sup> – Oct 2<sup>nd</sup>

EXHIBITION WORLD BAHRAIN

KNOWLEDGE PARTNER

**S&P Global**  
Commodity Insights

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# ROYAL PATRONAGE

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On behalf of the Gulf Downstream Association (GDA), and under the esteemed patronage of His Royal Highness Prince Salman bin Hamad Al Khalifa, Crown Prince and Prime Minister, we are pleased to announce the International Downstream Conference and Exhibition (IDCE). This landmark event will bring together industry leaders and decision makers from across the region and around the world.

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**HRH Prince Salman bin Hamad Al Khalifa**

Crown Prince and Prime Minister of the Kingdom of Bahrain





## Opening Speech

### Mitib A Al Harbi

Chairman, GDA International Downstream Conference  
& Exhibition 2025

Vice President, Fuels Business Management, Aramco

Delivering an event like the International Downstream Conference & Exhibition 2025 is more than an organizational milestone; it is a commitment to shaping the future of our industry.

Under the theme “Innovating Energy, Creating Sustainable Value,” this year’s conference brings together leaders, innovators, and technical experts from across the globe to share strategies, showcase technologies, and forge partnerships that will define the next chapter of the downstream sector.

The program reflects the industry’s most pressing priorities, from decarbonization and digital transformation to capital efficiency and workforce readiness. It is designed to inspire ideas and to translate them into actionable solutions for sustainable growth.

I am proud to welcome you to Bahrain for three days of knowledge exchange, collaboration, and networking. Together, we will explore new opportunities, address shared challenges, and strengthen the bonds that unite our global downstream community.

**See you at IDCE 2025, where innovation meets impact.**



## Strategic Direction from the Chairman

### Hussain Al Qahtani

Chairman, GDA

Senior Vice President of Fuels, Aramco

The Gulf Downstream Association (GDA) stands at a pivotal moment in its journey. Guided by our new strategy, we are committed to transforming GDA into a truly global, industry-shaping platform that delivers greater value to both our members and the downstream sector at large.

This transformation is anchored in three key pillars. First, we aim to position GDA as a hub for thought leadership, innovation, and knowledge exchange, one that influences the future direction of our industry. Second, we are launching new industry forums dedicated to addressing the most critical and emerging topics in the downstream landscape, ensuring timely dialogue and actionable outcomes. Third, we are pursuing strategic collaborations that will expand and strengthen the global influence of the International Downstream Conference & Exhibition (IDCE), making it a cornerstone event for the worldwide downstream community.

Our vision is bold, but our commitment is stronger. By working together, we can create a platform that fosters insight, drives collaboration, and inspires solutions that advance the industry for years to come.

I invite you to join us in this exciting new chapter for GDA. Your engagement and expertise will be the catalyst for innovation, progress, and enduring value for our members and the global downstream sector.

**See you at IDCE 2025, where the future of downstream is shaped.**



# THE 3 DAY AGENDA

Join global leaders, innovators, and decision-makers for three impactful days of strategic discussions, industry dialogues, and technical deep-dives shaping the future of the downstream sector.

CONFERENCE AGENDA

## DAY 1 Strategic Leadership & Industry Vision

- Opening Remarks by Industry Leaders & Ministerial Keynote Address
- Leadership Dialogue & Fireside Chat
- GDA Leadership Award Ceremony
- Strategic Sessions:
  - Geopolitics & Energy Markets: What It Means for the Industry Growth
  - Strategic Imperatives for Downstream Resilience in a Low-Margin Era
  - Maximizing Returns: Capital Efficiency in Changing Landscape
  - Energy Diplomacy & Trade: Shaping the Future of Downstream
  - The Global South Pivot: Strategic Shifts for Middle East NOCs
- Industry Dialogues:
  - Pioneering the Future: Revolutionizing HSSE in Refineries With Cutting-Edge Technologies
  - From Blueprint to Reality: Mastering Project Planning, Execution and Commissioning
- Technical & Poster Presentations on 'Health, Safety, Security and Environment' and 'Project Management & Commissioning & Start-Up' Themes

## DAY 2 Downstream Transformation Through Technology & Innovation

- Strategic Panels:
  - Maximizing Barrel Value: the Next Frontier in Refinery and Petrochemical Integration
  - Global Refining Realignment: Asia's Ascent and Europe's Transition
  - Downstream Decarbonization: Demand Sustainability Through Carbon Competitiveness
  - AI for Energy, Energy for AI
  - AI in Refineries: Accelerating Digital Transformation
- Industry Dialogues:
  - Downstream Sustainability: Integrating Efficiency and Decarbonization for Success
  - Innovating Refinery of the Future: Cutting-Edge Technologies From Concept to Commercialization
  - Intelligent Integration: AI and Digitalization in Downstream
  - Digital Reliability & Integrity: Enhancing Integrity With Predictive Analytics
- Technical & Poster Presentations on 'Decarbonization and Energy Management' and 'Advanced Process Solutions & New Technologies' Themes

# THE 3 DAY AGENDA

Join global leaders, innovators, and decision-makers for three impactful days of strategic discussions, industry dialogues, and technical deep-dives shaping the future of the downstream sector.

CONFERENCE  
AGENDA

## DAY 3 | Maximizing Value Across Downstream

- Strategic Panels:
  - The Hydrogen Debate: Hype, Reality & Commercial Pathways
  - Charging Ahead: the EV Revolution and Fuel Retail Transformation
  - Future-Proofing the Downstream Workforce: Digital Integration & DEI Initiatives
  - Biofuels & SAF: Can They Scale Fast Enough To Transform Mobility?
  - Lubricants & Base Oils: Driving Efficiency in a Low-Carbon Future
- Industry Dialogues:
  - Navigating Complexity and Uncertainty: Achieving Supply Chain Excellence in the Downstream Industry
  - Leadership Evolution: Cultivating Tomorrow's Leaders Today in the AI Paradigm Shift
- Technical & Poster Presentations on 'AI & Digitalization' and 'Reliability & Asset Integrity' and 'Supply Chain Optimization' and 'Leadership & People Development Themes
- Closing Remarks by Chairman



# DAY 1 – SEPTEMBER 30<sup>TH</sup> 2025

## Strategic Leadership & Industry Vision



|          |  |
|----------|--|
| 9:00 AM  | Welcome, Opening Remarks & Strategic Direction   |
| 9:15 AM  | Ministerial Keynote Address  |
| 9:25 AM  | Leadership Dialogue – Fireside Chat  |
| 9:50 AM  | GDA Leadership Award   |
| 10:00 AM | Geopolitics & Energy Markets: What It Means for the Industry Growth                      |
| 11:00 AM | Duhur Prayer & Lunch Break   |
| 12:00 PM | Strategic Imperatives for Downstream Resilience in a Low-Margin Era                      |
| 1:00 PM  | Maximizing Returns: Capital Efficiency in Changing Landscape                             |
| 2:00 PM  | Pioneering the Future: Revolutionizing HSSE in Refineries With Cutting-Edge Technologies |
| 2:00 PM  | From Blueprint to Reality: Mastering Project Planning, Execution and Commissioning       |
| 3:00 PM  | Asar Prayer Break  |
| 3:30 PM  | Energy Diplomacy & Trade: Shaping the Future of Downstream                               |
| 4:30 PM  | The Global South Pivot: Strategic Shifts for Middle East NOCs                            |



**DAY 1**

# Strategic Leadership & Industry Vision



**Dr. Mohamed Bin Mubarak Bin Daina**

Minister of Oil & Environment,  
Kingdom of Bahrain

STRATEGIC SESSION

**Ministerial Keynote Address**

STRATEGIC SESSION

**Leadership Dialogue Fireside Chat**

**Moderated by:**



**Dave Ernsberger**

Co-President, S&P Global  
Commodity Insights



**Dr. Mohammad Y. Al Qahtani**

Downstream President,  
Aramco



**Bassam A Al-Bokhari**

Secretary General, GDA  
CEO, EnergyTech

STRATEGIC SESSION

**GDA Leadership Award**





## DAY 1

# Strategic Leadership & Industry Vision



**Paul Gruenwald**

Global Chief Economist, S&P  
Global Ratings

### STRATEGIC SESSION

## Geopolitics & Energy Markets: What It Means for the Industry Growth

A high-level discussion on how shifting geopolitics will shape supply chains, investment flows, and policy frameworks.



**H.E. Mohammed Albrahim**

Assistant Minister, Oil & Gas,  
Ministry of Energy, Kingdom of  
Saudi Arabia



**Yasser M. Mufti**

EVP, Products &  
Customers  
Aramco



**Mark Thomas**

Group CEO  
BAPCO Energies



**Srinivas Tuttagunta**

COO, Supply & Trading  
Reliance Industries Limited



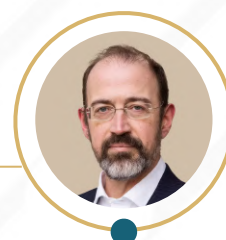
**Li Xinhua**

Head, Global Trading &  
International Business  
Rongsheng Petrochemical

### STRATEGIC SESSION

## Strategic Imperatives for Downstream Resilience in a Low-Margin Era

This session examines strategic approaches for enhancing downstream sector resilience amid tightening margins, focusing on operational efficiency, digital transformation, cost optimization, and sustainable business models for long-term competitiveness.



**Dave Ernsberger**

Co-President, S&P Global  
Commodity Insights



**Sultan Albigishi**

CEO  
ADNOC Refining



**Kamil Al Shanfari**

CEO  
OQ Refineries



**Claudio Fayad**

CTO  
Emerson



**Jeff Rinker**

President & CEO  
Motiva



## DAY 1

# Strategic Leadership & Industry Vision



**Anthony John Wood**

VP, Global Head of Oil, Midstream  
and Downstream Consulting, S&P  
Global Commodity Insights

### STRATEGIC SESSION

#### Maximizing Returns: Capital Efficiency in Changing Landscape

Explore strategies for enhancing capital efficiency amidst evolving market dynamics, focusing on innovative approaches to maximize returns while navigating challenges in investment and resource allocation.



**Ralph Wetzels**

SVP, Downstream Finance  
Aramco



**Jeff Currie**

Chief Strategy Officer  
Energy Pathways  
Carlyle



**Fabricio Sousa**

Global President  
Worley Consulting



**Thomas Maurisse**

SVP, Refining & Petrochemical  
Asia & Middle East  
TotalEnergies

### INDUSTRY DIALOGUE

#### Pioneering the Future: Revolutionizing HSSE in Refineries With Cutting-Edge Technologies

Exploring the integration of advanced technologies in refinery operations to enhance safety, security, health measures and risk mitigation involves using best industry practices, digital twins, and real-time monitoring systems to prevent accidents, ensure secure operations, and promote worker health. Additionally, implementing innovative safety protocols and cybersecurity measures ensures a safer, more secure, and healthier refinery environment.



**Ehsan Akhavan**

MD Middle East & Africa  
DSS+



**Musallam Al Khaifi**

VP Corporate HSSE  
OQ



**Steve Odlin**

SVP Fire, Safety, and Security  
BAPCO Refining



**John Burgess**

Founder,  
Smith & Burgess Process  
Safety Consultants



**Abdulaziz Al Askar**

VP Engineering & Technical  
Services  
SATORP



## DAY 1

# Strategic Leadership & Industry Vision



**Raj Jhajharia**

Principal Consultant,  
Becht

### INDUSTRY DIALOGUE

## From Blueprint to Reality: Mastering Project Planning, Execution and Commissioning

Exploring how digital tools and technologies can enhance the efficiency, coordination, and outcomes of large-scale projects from the concept to commissioning.



**Hassan H. Al Yami**

VP Ras Tanura Refinery,  
Aramco



**Fahad Saad Al Mutairi**

Deputy CEO, Al Zour Operations  
KIPIC



**Hanny Alshazly**

Managing Director, MENA Region  
PMI



**Nicolas Poirot**

VP Africa, Middle East & India  
Air Liquide

### STRATEGIC SESSION

## Energy Diplomacy & Trade: Shaping the Future of Downstream

What strategic partnerships and joint ventures are redefining market access and refining and petrochemical competitiveness.



**Kurt Barrow**

SVP, Global Head of oil, fuels and  
chemical solutions S&P Global  
Commodity Insights



**Ibrahim Qassim Al-  
Buainain**

EVP Global Manufacturing  
Aramco



**Abdulrahman Al-  
Fageeh**

CEO  
SABIC



**Abdulrahman Jawahery**

CEO  
BAPCO Refining



**Elise H Nowee**

President  
Shell Catalysts &  
Technologies





## DAY 1

# Strategic Leadership & Industry Vision



**Sanjay Sharma**

VP, Global Head of Chemicals  
Consulting,  
S&P Global Commodity Insights

### STRATEGIC SESSION

#### The Global South Pivot: Strategic Shifts for Middle East NOCs

Exploring the growing influence of emerging economies in Asia and Africa on Middle East NOC investment, trade flows, and strategic priorities



**Abdullah Salem Al Ajmi**

CEO  
OQ8



**Saad H Binmatlig**

CEO  
Yasref



**Francesco Palmieri Lupia**

MD & Senior Partner  
Boston Consulting Group



**Sergey Denisov**

Chief Development Officer  
Nayara Energy



# DAY 2 – OCTOBER 1<sup>ST</sup> 2025

## Downstream Transformation Through Technology & Innovation



|          |  |
|----------|--|
| 9:00 AM  | Maximizing Barrel Value: the Next Frontier in Refinery and Petrochemical Integration           |
| 10:00 AM | Global Refining Realignment: Asia's Ascent and Europe's Transition                             |
| 11:00 AM | Downstream Decarbonization: Demand Sustainability Through Carbon Competitiveness               |
| 12:00 PM | Duhur Prayer & Lunch Break   |
| 1:00 PM  | Downstream Sustainability: Integrating Efficiency and Decarbonization for Success              |
| 1:00 PM  | Innovating Refinery of the Future: Cutting-Edge Technologies From Concept to Commercialization |
| 2:00 PM  | AI for Energy, Energy for AI   |
| 3:00 PM  | AI in Refineries: Accelerating Digital Transformation  |
| 4:00 PM  | Asar Prayer / Networking Break   |
| 4:15 PM  | Intelligent Integration: AI and Digitalization in Downstream                                   |
| 4:15 PM  | Digital Reliability & Integrity: Enhancing Integrity With Predictive Analytics                 |



## DAY 2

### Downstream Transformation Through Technology & Innovation



**Ravi Narayanaswamy**

VP, Global Head of Feedstocks  
Research & Analytics S&P Global  
Commodity Insights

#### STRATEGIC SESSION

#### Maximizing Barrel Value: the Next Frontier in Refinery and Petrochemical Integration

Discussion on deeper integration between refining and petrochemicals material transition trends, and feedstock flexibility to future-proof assets in a lower-carbon world



**Abdullah S. Al-Suwailem**

SVP, West Region Manufacturing  
Aramco



**Quentin Debuisschert**

CEO  
Axens



**Leon De Bruyn**

President & CEO  
Lummus Technology



**Mahesh Marve**

Senior EVP, Research &  
Technology, Refinery and  
Chemicals  
Reliance Industries Limited

#### STRATEGIC SESSION

#### Global Refining Realignment: Asia's Ascent and Europe's Transition

How India's refining expansion, China's petchem-driven model, and EU's capacity rationalization are likely to reshape global refining dynamics?



**Kurt Barrow**

SVP, Global Head of oil, fuels and  
chemical solutions S&P Global  
Commodity Insights



**Khalid S. Ghamdi**

SVP East Region Manufacturing  
Aramco



**Rajesh Samarth**

CEO  
Chevron Lummus Global



**Rachid Majiti**

Senior Partner,  
McKinsey & Co.





## DAY 2

### Downstream Transformation Through Technology & Innovation



**Anthony John Wood**

VP, Global Head of Oil, Midstream  
and Downstream Consulting, S&P  
Global Commodity Insights

#### STRATEGIC SESSION

#### Downstream Decarbonization: Demand Sustainability Through Carbon Competitiveness

How can refineries be ready for lower carbon world? What are the latest developments in clean hydrogen, carbon capture, and sustainable biofuels as alternatives to traditional refining?



**Walid Al Naim**

VP & Chief Engineer  
Aramco



**Andrea Bozzano**

VP & CTO  
Honeywell



**Elena Scaltritti**

Chief Commercial Officer  
Topsoe



**Hitoshi Masuda**

Senior Executive Director (CTO)  
JCCP

#### INDUSTRY DIALOGUE

#### Downstream Sustainability: Integrating Efficiency and Decarbonization for Success

Discussion on strategies and technologies aimed at reducing carbon emissions while enhancing energy efficiency in the downstream industry. This involves the integration of new process configurations, refinery-petchem integration, advanced control systems, digital technologies, and sustainable practices to optimize refinery processes and reduce energy consumption and improve long-term profitability.



**Paul Cannizzo**

VP Sustainability and Strategic Insights  
Solomon Associates



**Mohammad M Farsi**

President & CEO  
SAMREF



**Syed Mahmood Alawi**

SVP, Technical Services  
BAPCO Refining



**Mikala Grubb**

Senior Vice President,  
Topsoe



**Ujjal Mukherjee**

CTO  
Lummus Technology



## DAY 2

### Downstream Transformation Through Technology & Innovation



**Richard Charlesworth**

Executive Director, Global Head of  
Industry Processes and Cost Analytics  
S&P Global Commodity Insights

#### INDUSTRY DIALOGUE

#### Innovating Refinery of the Future: Cutting-Edge Technologies From Concept to Commercialization

Advanced control systems and new process technologies to optimize refinery processes. This track also focuses on autonomous operation systems, Advanced Process Control, solutions for process optimization, real-time optimization (RTO), and case studies on autonomous operations



**Dr. Ali Abdullah Al Meshari**

SVP, Technology Oversight &  
Coordination  
Aramco



**Othman Al-Ghamdi**

President & CEO  
Petro Rabigh



**Hari Ravindran**

SVP & Global Head Technology  
Solutions  
KBR



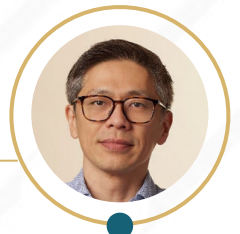
**Arun Arora**

CTO  
Chevron Lummus Global

#### STRATEGIC SESSION

#### AI for Energy, Energy for AI

Discussion on how AI is transforming energy production, distribution, and consumption, while highlighting the rising energy demands driven by AI data servers.



**Jake Yang**

CTO, S&P Global  
Commodity Insights



**Sami A. Ajmi**

SVP, Digital & I.T  
Aramco



**Heiko Claussen**

Chief Technologist  
Aspentech, Emerson



**Norinao Sato**

President & CEO  
Yokogawa Middle East & Africa



**AJ Abdallat**

CEO  
BeyondLimits



## DAY 2

### Downstream Transformation Through Technology & Innovation



**Jad Moussalli**

Partner Energy and Natural  
Resources, Oliver Wyman

#### STRATEGIC SESSION

#### AI in Refineries: Accelerating Digital Transformation

How AI, predictive analytics, and automation are revolutionizing refinery operations enhancing efficiency, safety, and profitability while reducing emissions.



**Ahmed Al-Ghamdi**

CEO  
Artificial Intelligence Global Co



**Norm Gilsdorf**

CEO  
Plant Digital



**Jake Yang**

CTO, S&P Global  
Commodity Insights



**Abdulla Omar Al Ameri**

VP, Asset Development  
ADNOC

#### INDUSTRY DIALOGUE

#### Intelligent Integration: AI and Digitalization in Downstream

This session focuses on the integration of AI and digital technologies to achieve autonomous operations, optimize processes, predictive analytics and enable real-time decision-making in the downstream oil and gas industry. Key areas of focus include AI-based decision-making, Process Digital Twin, real-time optimization (RTO), and case studies on the successful implementation of these technologies.



**Andreas Kyrilis**

Senior Partner,  
Bain & Company



**Omar Y Thukair**

VP & Chief Digital Officer  
Aramco



**George Cui Shan**

Chairman & President  
Supcon



**Khaled Al Blooshi**

VP Digital Projects & Innovation  
ADNOC



**Santosh Unni**

Head of Digital  
Transformation & AI Services  
Infosys Consulting





## DAY 2

### Downstream Transformation Through Technology & Innovation



**David Sayah**

Managing Director and Partner,  
Boston Consulting Group

#### INDUSTRY DIALOGUE

#### Digital Reliability & Asset Integrity: Enhancing Integrity With Predictive Analytics

Focus on how digital tools and predictive analytics can enhance reliability and asset integrity in refinery operations. Management of shutdowns/turnarounds more efficiently, risk-based inspection practices along with reliability centered maintenance programs with digital footprint and best practices.



**Sami Bu Rushaid**

VP, Global Manufacturing  
Excellence  
Aramco



**Matt Spalding**

VP APAC, Middle East, North  
Africa & India  
Honeywell E&S Solutions



**Gaetano De Santis**

EVP Reliability Maintenance,  
BAPCO Refining



**Dr. Chiraz Ennaceur**

CEO & Co-Founder  
CorrosionRADAR Ltd.



# DAY 3 – OCTOBER 2<sup>ND</sup> 2025

## Maximizing value across downstream



|          |   |
|----------|---|
| 9:00 AM  | The Hydrogen Debate: Hype, Reality & Commercial Pathways  |
| 10:00 AM | Charging Ahead: the EV Revolution and Fuel Retail Transformation                                    |
| 11:00 AM | Future-Proofing the Downstream Workforce: Digital Integration & DEI Initiatives                     |
| 12:00 PM | Duhur Prayer & Lunch Break  |
| 12:00 PM | Navigating Complexity and Uncertainty: Achieving Supply Chain Excellence in the Downstream Industry |
| 12:00 PM | Leadership Evolution: Cultivating Tomorrow's Leaders Today in the AI Paradigm Shift                 |
| 1:00 PM  | Biofuels & SAF: Can They Scale Fast Enough To Transform Mobility?                                   |
| 2:00 PM  | Lubricants & Base Oils: Driving Efficiency in a Low-Carbon Future                                   |
| 3:00 PM  | Conference Outcomes & Closing   |



## DAY 3

# Maximizing Value Across Downstream



### STRATEGIC SESSION

## The Hydrogen Debate: Hype, Reality & Commercial Pathways

The commercial viability and infrastructure challenges of hydrogen as a fuel of the future.

### Richard Charlesworth

Executive Director, Global Head of  
Industry Processes and Cost Analytics  
S&P Global Commodity Insights



### Ivana Jemelkova

CEO  
Hydrogen Council



### Marco Arcelli

CEO  
ACWA Power



### Wesam Alghamdi

CEO  
NEOM Green Hydrogen Company



### Ahmed Hababou

President, Middle East & India  
Air Products

### STRATEGIC SESSION

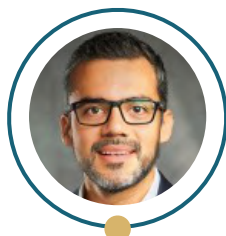
## Charging Ahead: the EV Revolution and Fuel Retail Transformation

Discussion on how rising EV adoption is transforming energy demand, infrastructure needs, OEM partnerships, and impacting petrochemical consumption patterns



### Jim Burkhard

VP, Global Head of Oil & Mobility  
Research & Analytics S&P Global  
Commodity Insights



### Samuel Raudales

Chief Growth Officer  
Valvoline



### Abdullah AlOtaibi

Global VP, Polyethylene  
SABIC



### Tune Marshall

Partner  
Bain & Company



### Gopi Sankar M

Global CTO  
Switch Mobility  
Ashok Leyland





## DAY 3

# Maximizing Value Across Downstream



**Gaurav Srivastava**

Regional Head – Oil Midstream and  
Downstream Consulting (ME & India)  
S&P Global Commodity Insights

### STRATEGIC SESSION

## Future-Proofing the Downstream Workforce: Digital Integration & DEI Initiatives

An in-depth discussion on how AI, automation, AR/VR, reskilling, and DEI initiatives are transforming the downstream workforce—boosting safety, innovation, and inclusive growth.



**Shaima Al Ghunaim**

EVP, Planning & Finance  
KPI



**Nouf Al-Sowaidi**

Group Chief HR Officer,  
BAPCO Energies



**Kristy Chadwick**

Group CEO  
TTRO



**Mark Anderson**

SVP Strategy and Value  
Chain KBC (A Yokogawa  
Company)

### INDUSTRY DIALOGUE

## Navigating Complexity and Uncertainty: Achieving Supply Chain Excellence in the Downstream Industry

Strategies for identifying risks, bottlenecks, and managing complexities in downstream supply chains, focusing on optimizing processes, to manage future integration like renewables (biofuels, SAF, e-fuels), EV charging infrastructure into supply chain by leveraging advanced technologies, and enhancing collaboration.



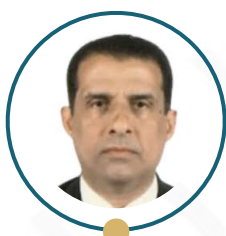
**Jad Dib**

Partner  
McKinsey & Company



**Hisham Alnughaimish**

President  
Bahri Oil



**Ayoub Al-Ghamdi**

Senior Consultant  
S-Chem



**Jerry Kalogiratos**

CEO, Capital Clean Energy  
Carriers Corp.



## DAY 3

# Maximizing Value Across Downstream



**Abdulaziz Alajian**

SVP

The Saudi Investment Bank

### INDUSTRY DIALOGUE

## Leadership Evolution: Cultivating Tomorrow's Leaders Today in the AI Paradigm Shift

Discussion on required structured leadership development initiatives that focus on upskilling and reskilling employees to make future ready leaders for new technology (AI/ML, AR/VR, Digitalization) environment.



**H.E. Prof Ebrahim Al Hajri**

President

Khalifa University



**Nayef S. Al-Otaibi**

VP, Downstream HR

Aramco



**Nada Al Meqbali**

Vice President, Future  
Foresight & Creative Lab  
ADNOC



**Ghanim Naser Al-Otaibi**

Deputy CEO Projects  
KNPC

### STRATEGIC SESSION

## Biofuels & SAF: Can They Scale Fast Enough To Transform Mobility?

This session examines the potential of biofuels and Sustainable Aviation Fuels (SAF) to scale rapidly, assessing their role in transforming mobility, reducing emissions, and meeting global sustainability goals.



**Ethan Ng**

Regional Head - Oil, Midstream and  
Downstream Consulting (APAC)  
S&P Global Commodity Insights



**Khalid Al-Harhi**

President & CEO  
SASREF



**Dr. Jennifer Holmgren**

CEO  
Lanza Tech



**Deepak Munganahalli**

Co-Founder  
SAF One



**Tim M. Lederer**

VP Global Aviation  
Regulatory Affairs  
DHL Express



## DAY 3

# Maximizing Value Across Downstream



### Ravi Narayanaswamy

VP, Global Head of Feedstocks  
Research & Analytics S&P Global  
Commodity Insights

#### STRATEGIC SESSION

### Lubricants & Base Oils: Driving Efficiency in a Low-Carbon Future

Impact of EVs, bio-based lubricants, and synthetic oils on refining, sustainability, and industrial performance.



### Brian Paliotti

President  
Afton Chemicals



### Samer A Al Hokail

CEO  
Luberef



### Marco Digioia

President  
ATIEL



### Imad A Al-Hadlaq

EVP, Manufacturing  
Kuwait Petroleum  
International

### Closing Remarks



### Hussain Al Qahtani

Chairman, GDA  
Senior Vice President of Fuels,  
Aramco

# 8 TECHNICAL CATEGORIES

## Decarbonization and Energy Management

Focuses on technologies (including renewable energy and biofuels), strategies, and policies (including carbon credits and carbon trading) that reduce carbon emissions and optimize energy use across the downstream value chain. Includes case studies on energy efficiency, carbon capture, fuel switching, and emissions monitoring.

## Project Management & Commissioning and Start-Up

Covers best practices, tools, and lessons learned from the planning, execution, and safe start-up phases of downstream projects. Emphasizes integrated project delivery, modularization and advanced work packages, effective interface stakeholders management, new capacity building, capital optimization, cost/schedule performance, and safe handover to operations and projects close out.

## AI & Digitalization

Explores the application of artificial intelligence, machine learning, and digital tools to transform operations, enhance decision-making, and unlock value in refining, petrochemicals, logistics, and asset management. Covers real-life use cases demonstrating business benefits through various applications, of AI such as: smart plants, process automation, digital twins, Robotics & Drones, big data analytics, predictive modeling, etc.

## Reliability and Asset Integrity

This stream focuses on advanced strategies and methodologies to improve equipment reliability and plant availability within a structured asset management framework. It highlights approaches to reduce unplanned downtime, extend asset life, and ensure safe, sustainable operations. Key topics include predictive maintenance, innovative inspection technologies, risk based methodologies, turnaround optimization, corrosion and obsolescence management, asset integrity benchmarking, and the application of advanced analytics to support data driven decision making across the asset lifecycle.



## 8 TECHNICAL CATEGORIES

### Advanced Process Solutions & New Technologies

Highlights innovative process designs, new technologies, and practical engineering solutions that help refineries and petrochemical plants run more efficiently, produce more value, and reduce their environmental impact. This includes ways to improve how catalysts perform, lower energy use, and cut emissions. The content also explores real-world examples of best practices, compares performance across different operations (benchmarking), and explains how new business models and process improvements can lead to higher profits, greater reliability, and long-term sustainability.

### Leadership and People Development

Focuses on building resilient, agile organizations through talent development, workforce transformation, inclusion, and leadership strategies to navigate the evolving energy landscape and rapidly changing technologies. Emphasises on re-skilling/upskilling for new technology adaption, academia collaboration, executive coaching, and building corporate knowledge base for the future young work-force, Motivation & Inspiration to join Hydrocarbon Industries.

### Supply Chain Optimization

Covers approaches to the supply chain, logistics & trading and procurement efficiency, manage marketing, sales, retail, supply/demand, geopolitics, market outlook, regulatory policies, merger & acquisition, joint-venture partnership. Enhance resilience across the value chain, and improve supply chain planning/optimization.

### Health, Safety, Security and Environment (HSSE)

Showcases initiatives that reinforce a culture of safety, environmental stewardship, and operational security. Includes risk mitigation, process safety, emergency response, occupational health, waste management, international HSSE standards & regulations compliance, and ESG integration and Cyber Security.

# 6 BUSINESS SEGMENTATIONS

## Chemicals / Petrochemicals

This segment transforms hydrocarbons into essential products that underpin modern life, from advanced plastics to specialty chemicals. As demand grows, the sector is re-shaping itself around sustainability, innovation, and integration with circular economy solutions.

## Base Oils and Finished Lubricants

Lubricants are critical to keeping the world's industries and mobility systems running smoothly. Advances in formulation and technology are delivering longer-lasting, cleaner, and more energy-efficient solutions for a changing marketplace.

## Power

Power is central to downstream operations, driving both efficiency and resilience. The industry is increasingly integrating renewables, cogeneration, and low-carbon solutions to align energy security with sustainability goals.

## Refinery

Refineries remain at the heart of the downstream industry, converting crude oil into fuels and feedstocks that power global economies. To stay competitive, they are embracing digitalization, decarbonization, and closer integration with petrochemicals.

## Retail

Retail fuels and convenience services represent the industry's most direct connection with consumers. The segment is evolving rapidly, with digital platforms, alternative fuels, and new mobility solutions redefining customer experience.

## Supply Chain (Pipeline, Distribution, Terminals, and Trading)

The downstream supply chain ensures the reliable flow of energy products from production to global markets. Increasingly, logistics excellence and trading agility are key to navigating market volatility and enhancing value.



# TECHNICAL PRESENTATIONS

September 30th 2025

| TUESDAY                 |   |                    | T01-HSSE         |
|-------------------------|---|--------------------|------------------|
| Session 1               | State of the Art Tools for HSSE Improvement and Optimization  |                    | Technical Hall 1 |
| Moderated By            | Juan Carlon Latasa<br>Technology Director, Head of Middle East Business Oil & Gas IDOM, IDOM Rep in the GDA | Presenter(s)       | Affiliation      |
| 3:00 PM<br>-<br>4:00 PM | Enhancing HAZOP Effectiveness: A Comprehensive Approach to Best Practices                                   | Ghulam Abbas       | Saudi Aramco     |
|                         | AI-Driven Energy Intensity Index (EII) Prediction Model for Operational Efficiency                          | Munyah Al-Hamdani  | OQ               |
|                         | Strategic Pathway to a Digitalized Energy Management System   | Mohamed Salaheldin | Sidpec           |
|                         | Tier 3 LOPC Investigation Tool and Dashboard  | Jehad Maimani      | PetroRabigh      |

|                         |  |  |                  |
|-------------------------|--|--|------------------|
| Session 2               | Projects Agility & Beyond  |  | Technical Hall 2 |
| Moderated By            | Mahmood Dashti<br>Superintendent Mechanical Maintenance at Bahrain Petroleum Company   | Presenter(s)                           | Affiliation      |
| 3:00 PM<br>-<br>4:00 PM | Integration of Bapco Refinery Hydrogen Network – The Key Refinery Enabler  | Balagandahar Kanumilli & Fatima Janahi | Bapco Refining   |
|                         | Optimizing Tie-In Execution in Refinery Projects: A Quality-Driven Approach to Shutdowns and System Integration                      | Mohannad Alismail                      | Saudi Aramco     |
|                         | Successful Startup of ULSD Hydrotreater (3HDU) – Key Success Factors   | Rakesh Budithi & Salman Manea          | Bapco Refining   |
|                         | Strategic Application of Project Controls Across the Downstream Project Lifecycle for Operational Readiness and Capital Optimization | Chad A                                 | Saudi Aramco     |

# TECHNICAL PRESENTATIONS CONTINUED

September 30th 2025

| Session 3               | Safety, Reliability and Energy Efficiency Creating Optimal Symbioses  |                     | Technical Hall 1 |
|-------------------------|---|---------------------|------------------|
| Moderated By            | Muhammad Albuti<br>Sr. Enginner HSSE Planning   | Presenter(s)        | Affiliation      |
| 4:00 PM<br>-<br>5:00 PM | Advancing Sustainable Energy Solutions: Afton Chemical's Integrated Strategies for Efficiency and Environmental Stewardship | Benn Heatley        | AFTON Chemical   |
|                         | Efficient Leak Detection for Cleaner Operations: Enhancing LDAR with IIR and Acoustic Technologies.                         | Haya Althawadi      | Bapco Refining   |
|                         | Safety and Reliability Symbioses, a Safe Plant must be a Reliable One   | Yaser Alhamad       | KIPIC            |
|                         | Hydrogen Operation Philosophy at Sohar Complex Project  | Mohammed Bani Orada | OQ               |

| Session 4               | Energy and Safety Excellence with Digital Tools  |                 | Technical Hall 2        |
|-------------------------|--|-----------------|-------------------------|
| Moderated By            | Juan Carlon Latasa<br>Technology Director, Head of Middle East Business Oil & Gas IDOM, IDOM Rep in the GDA  | Presenter(s)    | Affiliation             |
| 4:00 PM<br>-<br>5:00 PM | Toward Net-Zero. AI-Enabled Virtual Power Plant for Flexible Power Generation Decarbonatization using Load Shaping Strategies to Zero Carbon Emissions | Rafat Rob       | Saudi Aramco            |
|                         | Digitalizing Safety: How Digitalization Incident Management and Near-Miss Reporting in the Refinery  | Ibrahim AlTasan | SAMREF                  |
|                         | Complete Stoppage of Ethylene (C2) Boil Off Gas flaring  | Vishal Karate   | Sadara Chemical Company |
|                         | Driving Energy & Operational Excellence at Al-Zour Refinery  | Yaqoub AlAli    | KIPIC                   |





# TECHNICAL PRESENTATIONS CONTINUED

October 1st 2025

| WEDNESDAY                |   |                                    |                  |
|--------------------------|---|------------------------------------|------------------|
| Session 5                | Innovative Approaches to Energy Optimization and Sustainability   |                                    | Technical Hall 1 |
| Moderated By             | Ali Alshehhi<br>Team Leader, Energy Management at ADNOC Group   | Presenter(s)                       | Affiliation      |
| 9:00 AM<br>-<br>10:00 AM | Driving Operational Excellence through Practical Energy Optimization in Refineries and Petrochemical Plants | Chris Van Der Beek                 | Becht Europe BV  |
|                          | Innovative Practical Approach in Developing ADNOC Refining Energy Efficiency Improvement Roadmap            | Amitkumar Vasantbhai Khadayata     | ADNOC Refining   |
|                          | SAMREF Energy Initiatives - Heading Towards Decarbonization   | Muhammad Shahid                    | Samref           |
|                          | Energy and Environmental Conservation by SRU TGTU Amine Optimization  | Mohammad Albuainain & Dedik Rahmat | Aramco           |

| Session 6                | Catalysts, Configurations, and Conversion Pathway in Crude-to-Chemicals   |                             | Technical Hall 2         |
|--------------------------|---|-----------------------------|--------------------------|
| Moderated By             | Ankush Dehankar<br>Account Manager Topsoe A/S   | Presenter(s)                | Affiliation              |
| 9:00 AM<br>-<br>10:00 AM | Adjusting solid circulation and fluid dynamics in a multi-zone fluidized bed reactor for crude-to-chemicals applications            | Jose Ignacio Bielsa Velasco | KAUST                    |
|                          | TC2C™ - More Carbon-Effective Conversion of Crude Oil into Chemicals  | Mazin Tamimi                | Aramco                   |
|                          | One-step crude to chemicals refining technology: from catalyst design to pilot-plant operation                                      | Juan Colom                  | KAUST                    |
|                          | Catalyzing Crude to Chemical Conversion: The Role of Configuration, Operation, and Catalyst in the FCC Fueling Chemicals Production | Hernando Salgado            | BASF Refining Catalyssts |



# TECHNICAL PRESENTATIONS CONTINUED

October 1st 2025

| Session 7                 | Transforming Tomorrow: How innovation and Technology Drive Decarbonization and Energy Transition   |                | Technical Hall 1 |
|---------------------------|--|----------------|------------------|
| Moderated By              | Antonio Scatigno<br>Operational Excellence Lead at Saudi Aramco  | Presenter(s)   | Affiliation      |
| 10:00 AM<br>-<br>11:00 Am | Enabling the Energy Transition: SABIC's Differentiated Polymer Solutions for Lightweight, Circular Solar Panel Applications                          | Saleh Alkarri  | SABIC            |
|                           | Advanced Machine Learning and CFD Modeling for Multi-Objective Genetic Algorithm Optimization of Dry Methane Reforming Toward Scalable Blue Hydrogen | Fahad Alotaibi | KPI              |
|                           | Innovative Pathways In (R)FCC: Maximizing Olefins and Decarbonization  | Rohit Agrawal  | Honeywell UOP    |
|                           | Unlocking technology pathways for sustainable aviation fuel (SAF) production in MENA region  | Zainab Yaqub   | Topsoe           |

| Session 8                 | Innovations in Low-Carbon Conversion: Hydrogen, Olefins, and Electrified Pathways  |                              | Technical Hall 2          |
|---------------------------|--|------------------------------|---------------------------|
| Moderated By              | Ahmed Abdullah<br>Operation Engineer of Heavy Oil Complex  | Presenter(s)                 | Affiliation               |
| 10:00 AM<br>-<br>11:00 Am | Novel Annular Jet Reactor for Direct Conversion of Crude andComplex Hydrocarbon Liquids to Olefins and Aromatics with Pathway to Carbon Neutrality           | Sreekanth Pannala            | SABIC                     |
|                           | A comprehensive outlook and techno-economic analysis of novel blue hydrogen technologies and life-cycle assessment of emissions across hydrogen value chains | Moonho Kim                   | Aramco                    |
|                           | Electrified Synthesis Gas generation for Production of low carbon hydrogen and sustainable fuels   | Aadesh Harale & Lars Martiny | Saudi Aramco & Topsoe A/S |
|                           | Demonstration of STARBRIDGE™ Electrified Cracking Technology at industrially relevant scale  | Fahad Almashb                | SABIC                     |

# TECHNICAL PRESENTATIONS CONTINUED

October 1st 2025

| Session 9                 | Hydrotreating Optimization & Catalyst Innovative Techniques  |   | Technical Hall 1          |
|---------------------------|--|---|---------------------------|
| Moderated By              | Abdul Aziz Alkhaja<br>Main control room shift supervisor at Barakah nuclear power plants                                 | Presenter(s)                                | Affiliation               |
| 11:00 AM<br>-<br>12:00 Am | Upgrading Hydrotreating Feed Filtration at Kuwait's First Heavy Crude Refinery – KIPIC Al-Zour Refinery                  | Hamed Alazemi                               | KIPC                      |
|                           | Maximizing refinery margins with Diesel Iso-dewaxing –SATORP Case study  | Duilio Casertano Di Salvo & Jagdish Bhavani | Topsoe A/S & Saudi Aramco |
|                           | Dewaxing Catalyst Unlock Higher Capacity of YASREF DHT   | Ahmed Al-ahmadi                             | Saudi Aramco              |
|                           | Innovative Filtration System for Improving ARDS Catalyst Wet Unloading Methods & Reclaim Precious Metals from Wastewater | Khaled Al-Rabeea                            | KNPC                      |

| Session 10                | Sustainable Refinery Practice : Renewable Products & SRU New Technologies                           |                    | Technical Hall 2 |
|---------------------------|---|--------------------|------------------|
| Moderated By              | Harbeyah Al Enezi<br>Process Engineer, KNPC   | Presenter(s)       | Affiliation      |
| 11:00 AM<br>-<br>12:00 Am | Co-processing of Bio-oil in Hydrotreaters to produce Sustainable Aviation Fuel and Renewable Diesel | Sanjib Das Sharma  | Saudi Aramco     |
|                           | Driving Sustainability with Lubricants: Minimizing Footprint, Maximizing Handprint                  | Joris van der list | Q8Oils           |
|                           | Vegan® and 700 Series: The Ultimate HEFA Solution   | Remi Rached        | Axens            |
|                           | The Deployment of New Technologies and Initiatives in Samref's SRU                                  | Khalid Ghazal      | SAMREF           |



# TECHNICAL PRESENTATIONS CONTINUED

October 1st 2025

| Session 11              | Decarbonization by Compact Carbon Capture, Bio-feed Coprocessing & Energy Efficiency             |                                 | Technical Hall 1        |
|-------------------------|--|---------------------------------|-------------------------|
| Moderated By            | Dhanasekar Periyasamy<br>Sr. Principal Solution Consultant at Aspen Technology                   | Presenter(s)                    | Affiliation             |
| 2:00 PM<br>-<br>3:00 Pm | Design improvements in Stationary Carbon Capture ensuing reduced plant footprint, CAPEX and OPEX | Rami Bamagain                   | Saudi Aramco            |
|                         | Decarbonization Strategy   | Anupam Verma & Manar Al Busaidi | OQ                      |
|                         | Operational and Catalytic Strategies for Coprocessing Renewable Feeds in FCC                     | Pastor Manrique                 | BASF Refining Catalysts |
|                         | DHT Stripper Reboiler APH Plates Glass Coating   | Suhail Alsayed                  | Yasref                  |

| Session 12              | Operational Excellence and Innovation: Workforce, Reliability, and Circular Economy |                                      | Technical Hall 2 |
|-------------------------|---|--------------------------------------|------------------|
| Moderated By            | Barinder Ghai<br>Director Technical Marketing and New Business Development EMEA     | Presenter(s)                         | Affiliation      |
| 2:00 PM<br>-<br>3:00 Pm | Future Contractor workforce management solution                                     | Bader Almutairi                      | SASREF           |
|                         | Circular Economy in Refining & Petrochemicals                                       | Ahmad Al-Ansari                      | KPI              |
|                         | Grey Burn: Hour in House CCR Modification Avoided A Major Shutdown                  | Mukeshkumar Patel & Maryam Alghadeer | SAMREF           |
|                         | CFD Study for Enhancing Reliability of an Industrial Hydrogen Generation Unit       | Mohammad Rakib                       | Aramco           |





# TECHNICAL PRESENTATIONS CONTINUED

October 1st 2025

| Session 13              | Innovations in CO <sub>2</sub> Conversion and Carbon Management   |                              | Technical Hall 1 |
|-------------------------|---|------------------------------|------------------|
| Moderated By            | Carlos Gutierrez<br>Process Manager – Process Consultant Worley   | Presenter(s)                 | Affiliation      |
| 3:00 PM<br>–<br>4:00 Pm | <i>De-Risking Carbon Management (CCUS) Thru Digitalization: Evaluating Optimal CCUS Pathways</i>        | Hasan Imran                  | Saudi Aramco     |
|                         | <i>Indium-Based Catalysts for CO2 Conversion to Methanol or CO</i>                                      | Jean Marcel<br>Roberto Gallo | KUST             |
|                         | <i>CO<sub>2</sub> Capture in the Downstream Sector: Axens’ Full-Chain CCUS Approach</i>                 | Eduardo Ariza                | Axens            |
|                         | <i>CO<sub>2</sub> utilization for environmental innovation: from waste stream to valuable solutions</i> | Musaed<br>Aljameel           | SABIC            |

| Session 14              | Digital Transformation and Advanced Technologies for Smarter, Safer, and Sustainable Refining  |                        | Technical Hall 2     |
|-------------------------|--|------------------------|----------------------|
| Moderated By            | Bassam AL-Shammari<br>Manager Information Technology KNPC  | Presenter(s)           | Affiliation          |
| 2:00 PM<br>–<br>3:00 Pm | <i>Quantum Computing in Refineries: Advancing Sustainability, Security, and Operational Efficiency Through CCR and ISOM Process Optimization</i> | Naser Alnaser          | KNPC                 |
|                         | <i>Advanced Process Automation &amp; New Age Technologies for Efficient Gas Operations and Loss Reduction</i>                                    | Ravishankar S          | Alethe Labs<br>India |
|                         | <i>Bapco Refining (BR) OT digitalization journey and the deployment of AVM for enhanced operational visibility</i>                               | Manar Abdulla          | BAPCO                |
|                         | <i>Optimizing Refinery Operations with Wireless Technology: Pressure Monitoring for Enhanced Operational Safety</i>                              | Hussain Ali<br>Mohamed | BAPCO                |



# TECHNICAL PRESENTATIONS CONTINUED

October 2nd 2025

| THURSDAY OCTOBER 2nd     |   |                                |                   |
|--------------------------|---|--------------------------------|-------------------|
| Session 15               | Digital Intelligence for Refining Process and Supply  |                                | Technical Hall 1  |
| Moderated By             | Bassam AL-Shammari<br>Manager Information Technology KNPC   | Presenter(s)                   | Affiliation       |
| 9:00 AM<br>-<br>10:00 AM | Hybrid Multi-Model AI Approach Coupled with Process Intelligence to Improve Gas Cracker Furnace Performance | Galipelli Firish Laxminarayan  | AIGC Global India |
|                          | KNPC Blockchain Platform, The Digitization of the Shipment Nomination Process                               | Anwaar Alnowh & Amal Al-Fadhli | KNPC              |
|                          | Single Integrated Reliability & Integrity Management Platform – Lifecycle Reliability & Integrity Solution  | Yoonsu Seok                    | S-Oil             |
|                          | Enabling A Data-Centric Refinery Through Digital Twin Technology  | Muhammad Farrukh Amin          | BAPO Energies     |

|                          |  |                         |                  |
|--------------------------|--|-------------------------|------------------|
| Session 16               | Innovative Inspection and Monitoring Technologies in Refining Operations   |                         | Technical Hall 2 |
| Moderated By             | Bader Al Harbi<br>Subject Matter Expert (SME) – GDA Plant Reliability & Integrity Technical Committee at KNPC                                  | Presenter(s)            | Affiliation      |
| 9:00 PM<br>-<br>10:00 PM | Refinery Stack Inspections and hazardous confined space: The Role of Drone Technology in Enhancing Safety, Efficiency, and Cost-effectiveness. | Amro Ahmed              | SASREF           |
|                          | Molecular Modeling of Impurity Effects in Supercritical CO2 Environments   | Lujan ALmuhaish         | Saudi Aramco     |
|                          | Heat exchangers inspection and maintenance repairs best practices by using latest new technology power tools.                                  | Ebrahim Burashed        | BAPCO Refining   |
|                          | AI-driven Shortwave Infrared (SWIR) camera for free water detection in condensate and Natural Gas Liquid (NGL)                                 | Saidkhodzha Nematulloev | Aramco           |

# TECHNICAL PRESENTATIONS CONTINUED

October 2nd 2025

| Session 17                | Enabling the Future of Downstream through digital Technologies   |                  | Technical Hall 1 |
|---------------------------|--|------------------|------------------|
| Moderated By              | Bassam AL-Shammari<br>Manager Information Technology KNPC  | Presenter(s)     | Affiliation      |
| 10:00 AM<br>-<br>11:00 AM | Enabling AI-Driven Digital Transformation for Downstream Operations with Aramco Digital' 450 MHz Network | Eid Alharbi      | Aramco Digital   |
|                           | Integrated Management System (MARSAD)  | Hind AlKindi     | OQ               |
|                           | Introduction of AI to predict SOx emission in Acid Gas Removal Plant of MAA Refinery                     | Fatemah Mohammad | KNPC             |
|                           | MeeraGPT : The Engineering Standards Chatbot   | Hamad Saeed      | ADNOC Refining   |

| Session 18                | Advanced Materials and Repair for Refinery Equipment   |                         | Technical Hall 2 |
|---------------------------|--|-------------------------|------------------|
| Moderated By              | Abdulrahman Alrumaidh<br>Reliability Inspection Engineer – BAPCO   | Presenter(s)            | Affiliation      |
| 10:00 AM<br>-<br>11:00 AM | New corrosion resistant super-austenitic grade Sanicro-35 (UNS N08935) for refining and petrochemical industry | Mohamed Sayed           | Alleima          |
|                           | Online welding of 24" cold flare pipeline  | Mohamed Abdul Kareem MS | SABIC            |
|                           | Corrosivity of Mercaptan Compounds on Different Alloys Under High Temperature Refinery Conditions              | Fahad AlAlharith        | Saudi Aramco     |
|                           | Coke Drum Bottom Flange Repair   | Ibrahim Almardumah      | Yasref           |



# TECHNICAL PRESENTATIONS CONTINUED

October 2nd 2025

| Session 19                | Case Studies in Corrosion, Damage Mechanisms, and Reliability Challenges  |  | Technical Hall 1           |
|---------------------------|---|--|----------------------------|
| Moderated By              | Mohammad Saleh Al-Turaiji<br>Senior Engineer Manufacturing Vietnam Kuwait Petroleum International   | Presenter(s)                             | Affiliation                |
| 11:00 AM<br>-<br>12:00 PM | High Temperature Hydrogen Attack (HTHA) Evaluation and Assessment - a Case Study  | Mohammed Abdul Basith                    | Petrobigh                  |
|                           | Failure Analysis and Mitigation of Premature Tube Leaks in Sour Water Treatment Systems: A Case Study from Mina Al-Ahmadi Refinery        | Mohammad Alkhzam                         | KNPC                       |
|                           | RFCC Regenerated Catalyst Slide Valve Hotspot Assessment and Mitigation   | Muhammad Safwan Atan & Rajeshkumar Patel | Pengerang Refining Company |
|                           | Design Vulnerability mitigation through structured Corrosion and Damage Mechanism assessment in Refinery Process Equipment - A Case Study | Moza Alhosani                            | ADNOC Refining             |

| Session 20                | Reliability, Materials, and Performance Optimization in Refining Operations  |                 | Technical Hall 2  |
|---------------------------|--|-----------------|-------------------|
| Moderated By              | Mariam Almeshal<br>Kuwait National Petroleum Company (KNPC)  | Presenter(s)    | Affiliation       |
| 11:00 AM<br>-<br>12:00 PM | Enhancing Refinery Performance Through Reliability, Availability, and Maintainability (RAM) Modeling: A Cost-Effective Approach for Change Proposals | Danah Alzaidani | 17305 Reliability |
|                           | Nonmetallic Pipes in Demanding Environments: Wear Mechanisms, Material Evaluation, and Successful Applications                                       | Soon Won Moon   | Saudi Aramco      |
|                           | Assessment of Surge Protection System on an Ethylene Refrigeration Compressor  | Abdullah Fairag | SABIC             |
|                           | Standardized Timing Allocations for Relief Valve Overhauls: Comparing One-Piece Flow and Production Line Methods                                     | Bader Awadh     | BAPCO             |



# TECHNICAL PRESENTATIONS CONTINUED

October 2nd 2025

| Session 21              | Sustainable mobility  |  | Technical Hall 1         |
|-------------------------|---|--|--------------------------|
| Moderated By            | Juan Carlon Latasa<br>Technology Director, Head of Middle East Business Oil & Gas IDOM, IDOM Rep in the GDA               | Presenter(s)   | Affiliation              |
| 1:00 PM<br>-<br>2:00 PM | <i>Lubricants For a Greener Future Re-Fines Base Oils Compete With Virgin Base Oils in Quaiity and Sustainability</i>     | Fatemah Sadeq  | KNPC                     |
|                         | <i>SAF production through co-processing : A Chemical Perspective</i>  | Stephane Morin & Sara AlkhooriA                          | ADNOC Refining           |
|                         | <i>Conversion of Low-value Oil Streams to High-value EV Battery Materials</i>   | Moothy Alelaiwy, Hamad Balhareth, & Salahdine El Idrissi | Saudi Aramco             |
|                         | <i>Powering Two Futures: The Bold Strategy of Building Dedicated EV Hubs While Maximizing Traditional Fuel Leadership</i> | Sven Dochez  | Kuwait Petroleum Belgium |

| Session 22              | Value Creation through Optimization and Innovation   |                    | Technical Hall 2              |
|-------------------------|--|--------------------|-------------------------------|
| Moderated By            | Chris Van der Beek<br>Managing Director Becht Europe, Middle East and Africa   | Presenter(s)       | Affiliation                   |
| 1:00 PM<br>-<br>2:00 PM | <i>HCU and IDW units yield optimization</i>  | Naser Sagr         | Saudi Aramco Base Oil Company |
|                         | <i>Beyond Design: A Structured Approach to Maximizing LBOU Throughout</i>  | Taqi Abdulla       | BAPCO Refining                |
|                         | <i>Unlocking Value through Synergies - Transformation and Downstream Innovation</i>  | Afroz Diwan        | YASREF                        |
|                         | <i>In-House Development of an Automated System for Quality Giveaway Cost Calculations: Enhancing Efficiency and Performance at KNPC Refineries</i> | Mohammad Al-Ansari | KNPC                          |



# TECHNICAL PRESENTATIONS CONTINUED

October 2nd 2025

| Session 23              | Developing Workforce for Tomorrow   |                                     | Technical Hall 1 |
|-------------------------|---|-------------------------------------|------------------|
| Moderated By            | Dr. Hayat Abdulla Yusuf<br>Associate Professor–Head of Scientific Research Department – Chemical Engineer–University of Bahrain                 | Presenter(s)                        | Affiliation      |
| 2:00 PM<br>–<br>3:00 PM | <i>Empowering the Energy Sector: Building a Coaching Culture to Drive Performance and Transformation</i>  | Sameera Baba                        | BAPCO Energies   |
|                         | <i>Leading Yourself First: Building a Culture of Productivity through Employee Self-Accountability</i>  | Haithem Albalawi & Bedour Alqahtani | Aramco           |
|                         | <i>Navigating the Future: Workforce Transformation in the Gulf Downstream Sector through Digitalization, Sustainability, and Value Creation</i> | Tareq Al-Rifaai                     | KPI              |
|                         | <i>Retention of Critical Knowledge (ROCK) System</i>  | Shamma Al Mheiri                    | ADNOC Refining   |

| Session 24              | Advanced technology solutions in the supply chain   |                                   | Technical Hall 2 |
|-------------------------|---|-----------------------------------|------------------|
| Moderated By            | Chris Van der Beek<br>Managing Director Becht Europe, Middle East and Africa  | Presenter(s)                      | Affiliation      |
| 2:00 PM<br>–<br>3:00 PM | <i>Crude Oil Supply Processing and Managing End to End Execution</i>  | Reem Alotaibi                     | Aramco           |
|                         | <i>AI based Integrated Scheduling with Operations insights to transform landscape of Supply Chain Management</i>                                | Hrishikesh Pandaya & Garry Galvez | AspenTech        |
|                         | <i>Fueling Profitability: S-OIL’s Procurement Transformative Journey with AI</i>  | Jihye Lee                         | S-Oil            |
|                         | <i>Towards New Paradigms of Customer Centricity: from Service Station to Service Platform. The Experience of Kuwait Petroleum International</i> | Vincenzo Maniaci                  | KPI              |

# DIGITAL POSTERS

September 30th 2025

| Digital Poster Session 1 |   |   | EXHIBITION HALL                         |  |
|--------------------------|---|---|---|--|
|                          |   |   | Presenter(s)                            | Affiliation                                  |
| 3:00 PM<br>-<br>5:00 PM  | 1 | Avoiding Flaring on a Tight Schedule - A Success Story of Refinery Fuel Gas Management  | Bayan Aljar                             | BAPCO Regining                               |
|                          | 2 | Leveraging Innovation and Digitalization to Maximize Heat Recovery in Crude Distillation Units at KNPC Mina Al-Ahmadi Refinery  | Abdulaziz Almansour & Altaf Alsnafi     | KNPC   |
|                          | 3 | Clash Management: CCR Reactors Repair during 2025 Yasref Mega Turnaround Event  | Murali Ramana Kuman Abbineni            | YASREF                                       |
|                          | 4 | Towards Consistent Evaluations of CO2-EOR: A Meta-analysis of Life Cycle Assessment   | Muhammad Yusuf Jabbar & Sean McCoy      | Saudi Aramco & University of Calgary         |
|                          | 5 | Enhancing Fired Heater Performance  | Abdulrahman Al-Zahrani & Aymen Bashawri | SAMREF & Saudi Aramco Mobil Refinery Company |
|                          | 6 | Investigation and analysis of patent data to explore the need for different IP strategies in the digital transformation of energy technologies and emergence of sustainability technologies | Sujin Suresh                            | Aramco                                       |
|                          | 7 | Mercaptan Recombination in NHTs: A Startup Challenge  | Albaraa Halawani                        | Saudi Aramco                                 |
|                          | 8 | Soil remediation of a former refinery and petrochemical complex in Naples, Italy  | Khaled Alawadhi                         | Kuwait Petroleum Italia                      |



# DIGITAL POSTERS

October 1st 2025

| Digital Poster Session 2 |   |   | EXHIBITION HALL                  |                       |
|--------------------------|---|---|----------------------------------|-----------------------|
|                          |   |   | Presenter(s)                     | Affiliation           |
| 9:00 AM<br>-<br>11:00 AM | 1 | A time-series study of global crude oil refining emissions and reductions potential   | Liang Jing & Hyunsoo Kim         | Saudi Aramco          |
|                          | 2 | Hybrid Modeling approach to improve Hydrocracker Reactor Performance  | Suresh Kumar Nellore             | Chevron Lummus Global |
|                          | 3 | Enhancing Reliability of RTR Pipeline Connections through Thermoplastic Welding   | Thibault Villete & Layla Alfadel | Saudi Aramco          |
|                          | 4 | S-imoms : PSORMS (Process Safety & Operational Risk Management Solution) & IOTEM (Integrated Operation and Task Execution Management) | Jae Hyung Park & Jongho Park     | S-Oil                 |
|                          | 5 | Conventional and Renewable Feedstocks processing in Hydrocrackers   | Ahmed Bardooli                   | Topsoe A/S            |
|                          | 6 | Steering Electrochemical CO2 Reduction toward liquid fuels and chemicals  | Husain Al Naji                   | Saudi Aramco          |
|                          | 7 | NMR Relaxometry. Revolutionizing Polymer Testing  | Almutasim Alwagdani              | Petro Rabigh          |
|                          | 8 | In-House Solution to Treat Water Contaminated with PFAS   | Sayed Mahmood Al Matooq          | BAPCO Refining        |



# DIGITAL POSTERS

October 1st 2025

| Digital Poster Session 3 |    |  | EXHIBITION HALL                   |   |
|--------------------------|----|--|-----------------------------------|---|
|                          |    |  | Presenter(s)                      | Affiliation   |
| 11:00 AM<br>-<br>1:00 PM | 1  | Maximizing the light olefin production by co-feeding of light hydrocarbon with heavy fraction (VGO) in the steam catalytic cracking system   | Musaed Al Gharmi                  | Saudi Armco   |
|                          | 2  | Energy Conservation through Insulation Type Upgrade  | Muhammad Alahmadi                 | YASREF  |
|                          | 3  | Packinox Decoking  | Mahmood Al Mahrouqi               | OQ  |
|                          | 4  | Maximize SAF production with existing assets : Axens' portfolio of solutions from HVO to Alcohol feedstocks                                  | Marc Elia & Alexandre Javidi      | Axens   |
|                          | 5  | Trouble Shooting of Amine System in Hydrogen Sulfide Removal Unit of Clean Fuel Project in KNPC-MAA Refinery to avoid frequent Unit Shutdown | Fahad AL-Ajmi & Mohammad Alhasawi | KNPC  |
|                          | 6  | Acetone from Contamination to value addition product Plastics  | Ahmed Mohammed Alsuwaidi          | ADNOC Refining  |
|                          | 7  | Enabling 'Future-Ready' Aromatics Complex with UOP Technologies  | Naiyl Rashid                      | Honeywell UOP   |
|                          | 8  | Can we kill flare smoking while reducing steam consumption? Yes!   | Carlos Miguel Alves Preciso       | Sadara Chemical Company                                   |
|                          | 9  | Characterization of counter-current downer hydrodynamics and Clustering Phenomena in Different Reactor Zones                                 | Talal Aldugman                    | KAUST   |
|                          | 10 | New technology innovation in PNA (Paraffin, Naphthenic, Aromatic) measurements   | Rafat Alsrouji & Zimit Zakkar     | Saudi Aramco Base Oil Company & Gulf Bio analytical group |



# DIGITAL POSTERS

October 1st 2025

| Digital Poster Session 4 |   |   | EXHIBITION HALL    |               |
|--------------------------|---|---|--------------------|---------------|
|                          |   |   | Presenter(s)       | Affiliation   |
| 1:00 PM<br>-<br>3:00 PM  | 1 | High Performance Membrane Process for Chemical Dehydration Enabling Intensive Decarbonization   | Ashwin Ravi Sankar | SABIC         |
|                          | 2 | Decarbonizing Petroleum: Global Strategies, IOC Actions, and the Middle East Advantage in Reducing CO <sub>2</sub> Emissions                  | Raj Jhajharia      | Becht         |
|                          | 3 | Advancing Post-Combustion Carbon Capture: Innovative Solutions for a sustainable future   | Ayman Salamah      | Honeywell UOP |
|                          | 4 | Disruptive Techniques for the Development of Advanced Materials: Enabling Sustainable solutions for Decarbonization and the Energy Transition | Maria Rivas        | Aramco        |

# DIGITAL POSTERS

October 1st 2025

| Digital Poster Session 5 |   |   | EXHIBITION HALL     |              |
|--------------------------|---|---|---------------------|--------------|
|                          |   |   | Presenter(s)        | Affiliation  |
| 3:00 PM<br>-<br>5:00 PM  | 1 | Smart Sustainability: Development of an AI-Powered Predictive Model for Wastewater Treatment Quality Metrics at Mina Abdullah Refinery (KNPC) | Bader A Jamal       | KNPC         |
|                          | 2 | Digital Refinery – Transforming Operations with Innovative Digital Operator Rounds and Checklists at KNPC                                     | Abdullah Aljarrah   | KNPC         |
|                          | 3 | Unlocking Workforce Potential: Leveraging Low-Code/No-Code Platforms to Accelerate Digital Transformation in the Downstream Sector            | Abdulrahman Jubairy | Aramco       |
|                          | 4 | The Role of Advanced Process Control, AI, Automation, and Sustainable Energy Solutions Monitoring & Tracking refinery Flare                   | Hasan Hasan         | KNPC         |
|                          | 5 | A Multi-faceted AI Approach To Digitizing Industrial Diagrams: Enhancing Accuracy, Efficiency, And Scalability                                | Mona ALshahrani     | Saudi Aramco |
|                          | 6 | Innovative Bearing Upgrade for Twice the Operational Life   | Abdulaziz Alhazmi   | SABIC        |
|                          | 7 | Downstream Process Availability in Face of Power Disruption Challenges  | Abdulla Aldabbous   | Saudi Aramco |
|                          | 8 | Vibration Monitoring in Recips: Saving through capturing potential cases  | Shahid Al Arif      | SABIC        |



# DIGITAL POSTERS

October 2nd 2025

| Digital Poster Session 6 |    |  | EXHIBITION HALL                 |                   |
|--------------------------|----|--|---------------------------------|-------------------|
|                          |    |  | Presenter(s)                    | Affiliation       |
| 9:00 AM<br>-<br>11:00 AM | 1  | Accelerated and Sustained World Class Reliability Performance Utilizing Solomon Associates RAM Study Results | Khalifa Alsaad                  | BAPCO Refining    |
|                          | 2  | Hybrid Models for Diagnosing and Mitigating Cracked Gas Compressor Fouling                                   | Amod Kumar Pandey               | Lummus Technology |
|                          | 3  | PWHT Optimization & Stress Reduction via FEA Based Thermal Stability Analysis                                | Zubair Ahmad                    | Aramco            |
|                          | 4  | Thermal Incinerator Design Shortcomings engender Integrity Issues in System                                  | Arun John                       | SASREF            |
|                          | 5  | Tackling Flue Gas Dew Point Corrosion in Air Preheaters: A Case Study and Innovative Mitigation Strategies   | Sukumar Dasari                  | YASREF            |
|                          | 6  | New Gasket Design on HCK Lip Seal Exchanger  | Amin Khalipe                    | YASREF            |
|                          | 7  | Driving reliability excellence through Electrical Systems Management platform                                | Muhammad Mallick & Amer Alsieri | Saudi Aramco      |
|                          | 8  | Mitigating Risks and ensuring operational resilience through a holistic Single Point of Failure Framework    | Abbas Hazai & Mohamed Saada     | Aramco            |
|                          | 9  | The Transformative Shift from Conventional to advanced Real- Time Digital Inspections                        | Zahrah Altarooti                | Aramco            |
|                          | 10 | How Improved Anti-Surge Protection Prevented repeated Air Intake Filter Fires                                | Ahmad Alnasser                  | SABIC             |



# DIGITAL POSTERS

October 2nd 2025

| Digital Poster Session 7 |   |   | EXHIBITION HALL                |                   |
|--------------------------|---|---|--------------------------------|-------------------|
|                          |   |   | Presenter(s)                   | Affiliation       |
| 11:00 AM<br>-<br>1:00 PM | 1 | While Modernizing, Don't Forget the Old Units - A Success Story of Bapco Refining's Catalytic Reforming Unit                        | Alpesh Gurjar & Wafa Alalqam   | BAPCO Refining    |
|                          | 2 | Integrating gap analysis with process optimization: A case study from KNPC-MAA ARD U-141  | Fahad Alqahtani                | KNPC              |
|                          | 3 | Smart Adaptive Wash Water Injection System for Hydrotreaters - Optimizing Water Management Through Real-Time Monitoring and Control | Salah Alhajri                  | KNPC              |
|                          | 4 | Overcoming Challenges to Meet New ATK Specifications at KNPC  | Bashayer Alazmi                | KNPC              |
|                          | 5 | Ethane Cracker Furnace Coil Life Extension  | Chaeung Im                     | Petro Rabigh      |
|                          | 6 | Microbiological and Compositional Analyses of Samples from Diesel Pipeline  | Mohammed Sindi & Xiangyang Zhu | Saudi Aramco      |
|                          | 7 | WWTP Sludge Processing in DCU   | Balqees Al Hattali             | OQ                |
|                          | 8 | OQRPI Catalyst Change with less Pt content  | Mahmood Al Mahrouqi            | OQ                |
|                          | 9 | Unlocking Value - Digitalization Opportunities in Delayed Coking  | Hani Alkhalifah                | Lummus Technology |



# DIGITAL POSTERS

October 2nd 2025

| Digital Poster Session 8 |    |  | EXHIBITION HALL     |                              |
|--------------------------|----|--|---------------------|------------------------------|
|                          |    |  | Presenter(s)        | Affiliation                  |
| 11:00 AM<br>-<br>1:00 PM | 1  | Sustainable Aviation Fuel (SAF)  | Reem Ahmad          | KNPC                         |
|                          | 2  | K12 Incubator  | Nooruddin Ahmed     | Certero Business Corporation |
|                          | 3  | Refinery Start-Up and 110% Ramp-Up   | Mahdi Jawaheri      | OQ8                          |
|                          | 4  | C4SHU (Selective Hydrogenation Unit) Butene-1 Yields   | Salima Ali          | OQ                           |
|                          | 5  | Hydrogen Production via Catalytic Gasification of Microalgae Biomass using Machine Learning Based Multi-Input-Multi-Output Modeling (MIMO) | S.M. Zakir Hossain  | University of Bahrain        |
|                          | 6  | Refinery Supply Chain Optimization with Scheduling Model (APS)   | Laila Al Balushi    | OQ                           |
|                          | 7  | Customer Complaint Management System   | Seba Bakr           | ADNOC Refining               |
|                          | 8  | Digital Dexterity: Building Capabilities in the Era of AI  | Halda Alfadagee     | KIPIC                        |
|                          | 9  | Real-Time Visualization of IIoT Data Using AR  | Faisal Almashharawi | AI Global Company            |
|                          | 10 | Developing Competency-Based Training for Safe and Efficient Commissioning and Startup of Process Units in Bahrain Modernization Program    | Sayed Sadiq Kadhem  | BAPCO Refining               |



# PROGRAM CONTENT COMMITTEE MEMBERS

| No | Name                           | Company                                       |
|----|--------------------------------|---|
| 1  | Abdalaziz Albalawi             | Saudi Aramco                                  |
| 2  | Abdulaziz Khajah               | Kuwait National Petroleum Company (KNPC)      |
| 3  | Abdulaziz AlSheehah            | Kuwait Petroleum International (KPI)          |
| 4  | Abdullah AL Hamdi              | Kuwait National Petroleum Company (KNPC)      |
| 5  | Abdullah Almandani             | Kuwait National Petroleum Company (KNPC)      |
| 6  | Abdulrahman Alrumaidh          | Bapco Refining                                |
| 7  | Adnan Alsabti                  | Kuwait National Petroleum Company (KNPC)      |
| 8  | Ahmad Albasri                  | Kuwait Integrated Petroleum Company (KIPIC)   |
| 9  | Ahmed Abdullah                 | OQ8   |
| 10 | Ahmed Al Mulhim                | Saudi Aramco                                  |
| 11 | AHMED ALBULUSHI                | OQ8   |
| 12 | Ahmed Haouari                  | Saudi Aramco                                  |
| 13 | Ahmed Ismail                   | SASREF  |
| 14 | ALBERTO MIGUEL                 | IDOM CONSULTING, ENGINEERING AND ARCHITECTURE |
| 15 | Alessandro Lietti              | Kuwait Petroleum International (KPI)          |
| 16 | Alex Guerra                    | IDOM CONSULTING, ENGINEERING AND ARCHITECTURE |
| 17 | Ali Albaqshi                   | Kuwait National Petroleum Company (KNPC)      |
| 18 | Ali Rashid Alshehhi            | ADNOC Refining                                |
| 19 | Ali Mohamed Jaffar             | Bapco Refining                                |
| 20 | Ali Waleed Saleh Alqallaf      | Kuwait National Petroleum Company (KNPC)      |
| 21 | Alyazeed Alanazi               | Kuwait National Petroleum Company (KNPC)      |
| 22 | Aneesh Mohanan                 | Yokogawa                                      |
| 23 | Ankush Dehankar                | Topsoe A/S                                    |
| 24 | Anood Taher                    | ADNOC Refining                                |
| 25 | Antonio Scatigno               | Saudi Aramco                                  |
| 26 | Anwar Khawajah                 | Saudi Aramco                                  |
| 27 | Arnold Henry                   | Worley  |
| 28 | Bader Al Harbi                 | Kuwait National Petroleum Company (KNPC)      |
| 29 | Barinder Ghai                  | Alleima                                       |
| 30 | Bassam Jayed Taher Al-Shammari | Kuwait National Petroleum Company (KNPC)      |
| 31 | Carlos Gutierrez               | Worley  |
| 32 | Chirs Van Der Beek             | Becht   |
| 33 | Dhanasekar Periyasamy          | AspenTech                                     |
| 34 | Dr. Basim Ahmed Abussaud       | KFUPM   |
| 35 | Dr. Hayat Abdulla Yousuf       | University of Bahrain                         |
| 36 | Dr. Sajid Ali Yousuf Zai       | ROI-ME  |
| 37 | Dr.Mohammed Alotaibi           | Kuwait Petroleum International (KPI)          |
| 38 | Emad Al-Muhaisen               | Saudi Aramco                                  |
| 39 | Farah Shehab                   | Kuwait National Petroleum Company (KNPC)      |
| 40 | Faraj Almarri                  | SASREF Refinery                               |



# PROGRAM CONTENT COMMITTEE MEMBERS

| No | Name                           | Company  |
|----|--------------------------------|--|
| 41 | Fatema AL-Maqbali              | OQ   |
| 42 | Gurminder Singh                | Shell Catalyst & Technologies                          |
| 43 | Hadla S. AlFedaghi             | Kuwait National Petroleum Company (KNPC)               |
| 44 | Hamed Alazemi                  | Kuwait Integrated Petroleum Industries Company (KIPIC) |
| 45 | Harbeyah Saleh Alenzi          | Kuwait National Petroleum Company (KNPC)               |
| 46 | Husain Almesry                 | Kuwait Integrated Petroleum Industries Company (KIPIC) |
| 47 | JAD ABOU CHARBINE              | Axens  |
| 48 | Jamilah Abdullah Ead Almutairi | Kuwait National Petroleum Company (KNPC)               |
| 49 | Joseph Ibrahim                 | Axens  |
| 50 | JUAN CARLOS LATASA             | IDOM CONSULTING, ENGINEERING AND ARCHITECTURE          |
| 51 | Mahdi Jawaheri                 | OQ8  |
| 52 | Mahmood Al Khaziri             | OQ8  |
| 53 | Mahmood Dashti                 | Bapco Refining   |
| 54 | Maktoum Al-Hamdi               | OQ   |
| 55 | MARIAM ALMESHAL                | Kuwait National Petroleum Company (KNPC)               |
| 56 | Marwan Alomari                 | SASREF   |
| 57 | Mohammad Al-Ansari             | Kuwait National Petroleum Company (KNPC)               |
| 58 | Mohammad Saleh Al-Turaiji      | Kuwait Petroleum International (KPI)                   |
| 59 | Mohammed Benchekchou           | Topsoe A/S   |
| 60 | Mohammed Mansoor               | Bapco Refining   |
| 61 | Muhammad Albuti                | Kuwait Petroleum International (KPI)                   |
| 62 | Muhammad Ghilzai               | Worley   |
| 63 | Nihar Gulwadi                  | Ingenero Inc (USA)                                     |
| 64 | Raj Jhajharia                  | Becht  |
| 65 | Saifuddin Sheikh               | Aspen Technology                                       |
| 66 | Sanad Alaamri                  | OQ8  |
| 67 | Sarah Tahseen Jaber AbuTabikh  | Kuwait National Petroleum Company (KNPC)               |
| 68 | Sulaiman Almutairi             | Kuwait National Petroleum Company (KNPC)               |
| 69 | Thamer Alahmari                | SASREF   |
| 70 | Wael Shaban                    | Egyptian Refining Company                              |
| 71 | Waleed Al Maqbali              | OQ   |
| 72 | Yaqoub AlAli                   | Kuwait Integrated Petroleum Industries Company (KIPIC) |
| 73 | Yasmeen Hussain                | Kuwait National Petroleum Company (KNPC)               |
| 74 | Mohamed Ahmed Almahdi          | Bapco Refining   |





# GENERAL INFORMATION AND TIMETABLE



**Venue**  
Exhibition World Bahrain  
Halls 7 and 8



**Organised by**  
Class Pro.co



**Exhibition Name**  
IDCE 2025 – International  
downstream conference  
& Exhibition 2025



**Exhibition Dates**  
30<sup>th</sup> September – 2<sup>nd</sup>  
October 2025

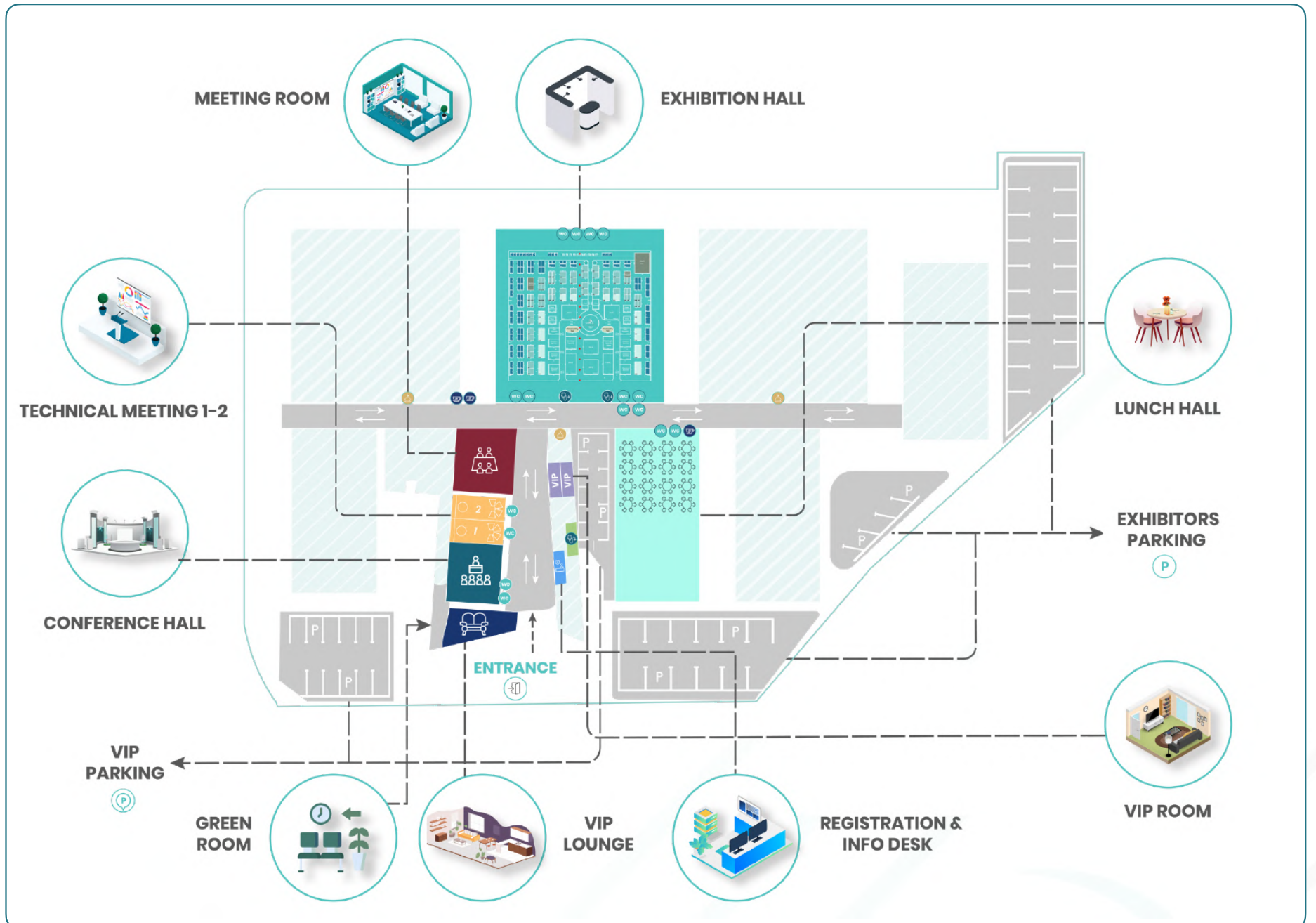


**Exhibition Website**  
[www.idce.bh](http://www.idce.bh)

## EXHIBITION OPENING HOURS

| Day       | Date              | Exhibitors Time   | Visitors Time     |
|-----------|-------------------|-------------------|-------------------|
| Tuesday   | 30 September 2025 | 9:00 AM – 5:00 PM | 1:00 PM – 5:00 PM |
| Wednesday | 1 October 2025    | 9:00 AM – 5:00 PM | 9:00 AM – 5:00 PM |
| Thursday  | 2 October 2025    | 9:00 AM – 5:00 PM | 9:00 AM – 5:00 PM |

# VENUE FACILITIES



## Main Entrance

Drop in/out - Registration Area



## Exhibition Hall

- GDA Booth
- Matchmaking Hub
- Technical Pods
- Youth Hub
- Business Center
- Media Center



## Meeting Room



## Technical Meeting



## Conference Hall



## Green Room



## VIP Lounge



## VIP Room



## Registration & Info Desk



## Lunch Hall



## Exhibitors Parking



## Medical Rooms



## Prayer Rooms



## Coffee Stations



## Restrooms



## VIP Parking



# YOUTH PULSE PROGRAM

## PROGRAM OVERVIEW

The Youth Program at the conference is designed to inspire, engage, and empower young participants through a variety of interactive activities, workshops, and discussions. The program equips youth with leadership skills, enabling them to initiate and lead impactful projects in their communities and beyond. The program also encourages innovation and creativity by promoting hands-on problem-solving and critical thinking. Participants will have numerous opportunities for collaboration, networking, and mentorship, enabling them to learn from peers and experienced leaders alike. In addition, the program highlights the achievements and talents of young leaders across diverse fields while supporting personal growth by building confidence, resilience, and a commitment to lifelong learning.

Overall, this program provides a dynamic platform for youth to connect, learn, and contribute meaningfully. A full agenda with detailed activities is attached for your reference.



*"As the Youth Program Chairman, I am excited to lead an initiative that nurtures the potential and passion of emerging talents. IDCE 2025's Youth Pulse Program provides a platform for the next generation to learn, connect, and be inspired by industry leaders. We aim to equip them with the knowledge and skills they need to contribute to a more sustainable and innovative energy future.*

*Together, we will shape a brighter tomorrow."* **Dr. Basim Abussaud**





# YOUTH PULSE PROGRAM

## AGENDA

| Time          | SEPTEMBER 30TH                           | OCTOBER 1ST   | OCTOBER 2ND  |
|---------------|--|---|--|
| 9:00 – 9:30   |  | Treasure Hunt Announcement  |  |
| 9:30 – 10:00  |  | Workshop: Qidwa Mini Bootcamp – Your path Towards Successful Leadership | Workshop: Emotional Intelligence: The key to Personal and Professional Success |
| 10:00 – 10:30 | Youth Opening Remarks                    |   | Youth in the Loop: Preparing for AI  |
| 10:30 – 11:00 | Downstream Integration & Process Session | Crack it and Pitch It: The Downstream Challenge Competition             |  |
| 11:00 – 11:30 | How to Become a CEO – Competition        | Digitalization Technical Session  |  |
| 11:30 – 12:00 | Aspen Academic Exam Competition          |   |  |
| 12:00 – 12:30 | Lunch Break                              | Aspen Quiz – Competition  | Lunch Break  |
| 12:30 – 13:00 |  | Lunch Break   |  |
| 13:00 – 13:30 | Executive Panel Discussion               | Technical Debate Competition  | Aspen Challenge – Competition  |
| 13:30 – 14:00 |  |   |  |
| 14:00 – 14:30 |  |   | Youth Closing Ceremony & Raffle Draw   |
| 14:30 – 15:00 | Sponsor Speech Slot                      |   |  |
| 15:00 – 15:30 |  | Sponsor Speech Slot   |  |
| 15:30 – 16:00 | Personal Branding – Workshop             | Leaders to Inspire – Activity   |  |



# PLAN YOUR VISIT

## WELCOME TO THE KINGDOM OF BAHRAIN

The Kingdom of Bahrain is a modern and welcoming destination that ensures a smooth and comfortable experience for both international and regional visitors. The capital city is Manama, the official language is Arabic, and English is widely spoken.

The local currency is the Bahraini Dinar (BHD), and the time zone is GMT+3. Expect warm, dry weather in September and October, with average temperatures ranging from 30–35°C.

## ARRIVAL, ACCOMMODATION & TRANSPORTATION

Bahrain International Airport is located approximately 30 minutes from the event venue Exhibition World Bahrain (EWB). Transportation options include: Taxis, Uber, Careem, hotel shuttles, and car rental services. For your convenience, here is [list of recommended hotels](#) is available on the IDCE official website

## ENTRY & VISA REQUIREMENTS

Many nationalities are eligible for a visa on arrival or can apply for an eVisa. Passports must be valid for at least 6 months from the date of entry. For full details and eligibility, [visit: www.evisa.gov.bh](http://www.evisa.gov.bh)

## USEFUL INFORMATION

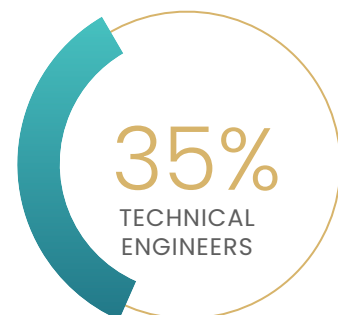
- Electricity: 230V, UK-style plug (Type G)
- Dress code: Modest attire is recommended in public areas
- Emergency Number: 999 (Police, Ambulance, Fire)



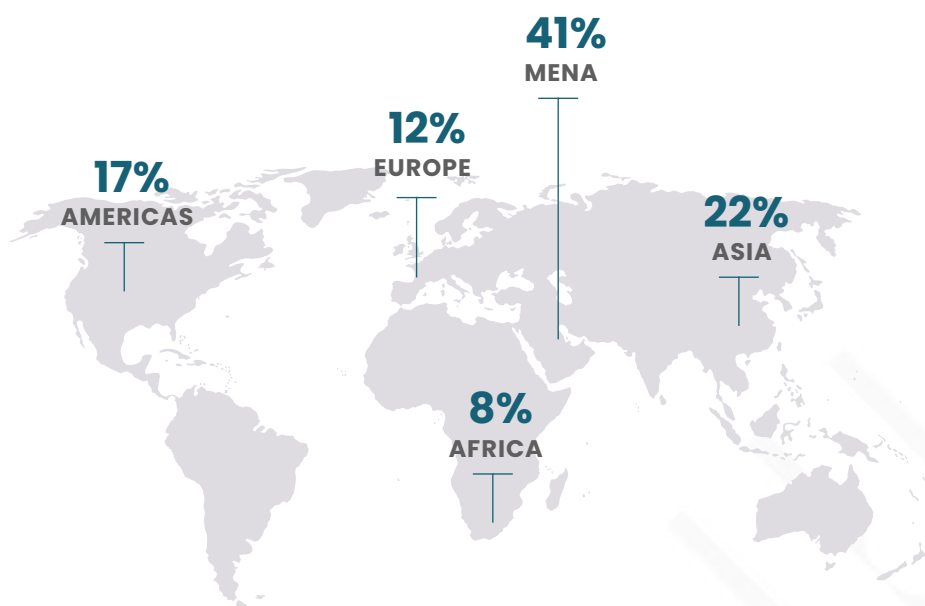
# WHY ATTEND THE IDCE CONFERENCE?

- Gain unparalleled insights from world-class technical experts and business leaders.
- Expand your knowledge by participating in one of the industry's largest technical events.
- Connect with engineers from diverse oil and gas sectors and explore their unique operational challenges.
- Access exclusive post-event online resources, including all technical abstracts shared during the conference.

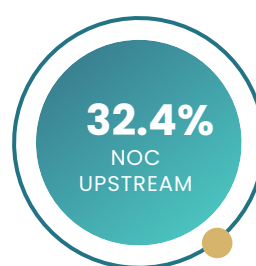
## ATTENDEES BY SENIORITY



## ATTENDEES BY GEOGRAPHY



## ATTENDEES BY SECTOR





# S&P GLOBAL COMMODITY INSIGHTS

## Official Knowledge Partner – IDCE 2025

We are proud to welcome S&P Global Commodity Insights as the official Knowledge Partner for the International Downstream Conference & Exhibition (IDCE) 2025.

A globally recognized authority in energy and commodities markets, S&P Global Commodity Insights delivers industry-leading data, analytics, and forecasts that power decision-making across the entire energy value chain. Its expertise spans oil, gas, refining, petrochemicals, and the energy transition – offering deep insights into pricing, market trends, regulatory developments, and emerging investment opportunities.



### Knowledge Powered by Insight

In partnership with S&P Global Commodity Insights, IDCE 2025 delivers world-class data, forecasts, and market intelligence – shaping the future of the downstream sector with clarity, credibility, and global perspective.

As Knowledge Partner, S&P Global Commodity Insights will play a central role in shaping the conference's thought leadership program – bringing timely, data-driven perspectives that frame critical conversations in the downstream sector. From exclusive keynote speeches and expert panels to in-depth technical sessions, their contributions will deliver clarity and direction during this pivotal period of industry transformation.

This collaboration ensures that IDCE 2025 remains a content-rich platform where global stakeholders can access credible intelligence, challenge conventional thinking, and explore innovative solutions for a more resilient and sustainable downstream future.

Through this strategic partnership with S&P Global Commodity Insights, IDCE 2025 sets a new standard in knowledge-sharing, insight, and value for delegates, sponsors, and partners alike.

# ABOUT GDA

Gulf Downstream Association (GDA) is a non-profit organization founded by leading regional energy companies: Aramco, KPI, BAPCO, KNPC, ADNOC, and OQ. It fosters collaboration, knowledge sharing, and industry development across the Downstream sector.



**For More, Visit [GDA website](#)**

## GDA FOUNDING MEMBERS



### CORE VALUES

- Collaborate and network to promote knowledge sharing.
- Providing high-quality services with the best value.
- Promote innovation & continuous development.
- Fostering excellence in all activities.
- Supporting and championing sustainability.
- Strive to be a respected institution driving the downstream industry.



### OBJECTIVES

- Strengthen collaboration and networking.
- Advance technical capabilities across the industry.
- Partner with technology providers and experts.
- Support policy and regulatory development.
- Facilitate data and knowledge sharing.



# IDCE EXECUTIVE COMMITTEE



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Senior Vice President of Fuels, Aramco



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CEO, ADNOC Refining



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**Afaf Zainalabedin**  
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Global Operations Co.



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**Fayez Al Sharif**  
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**Mohammed AlFarsi**  
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**Quentin Debuissch**  
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# IDCE EXECUTIVE COMMITTEE



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**Mr. Norinao Sato**

President & CEO

Yokogawa Middle East & Africa B.S.C.(c)





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**Dr. Faisal Salman Al-Humaidan**  
Acting General Director (KISR)



**H.E. Prof. Ebrahim Al Hajri**  
President, Khalifa University



**Dr. Hassan Baaqeel**  
Assistant Professor and Dean of College  
of Chemicals and Materials



**Prof. Fawaz S. Al-Anzi**  
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**Prof. Khamis bin Hamad  
Al Yahyai**  
Vice Chancellor, Muscat University



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**Abdulsalam AlSaif**

Director, Ras Tanura Refinery  
Operations Department, Aramco



**Roberto Grillo**

Director of Refining Kuwait Petroleum  
Italia S.p.A.



**Faisal Al Balushi**

Chief People & Technology Officer  
RPI, People & Technology RPI, OQ



**Jamilah Abdullah Almutairi**

Manager, Technical Services, KNPC





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Director, SABIC



**Sayed Mahmood Alawi**

SVP Technical Services, BAPCO Refining



**Mohammed M Baobaid**

Vice President, Business Support ADNOC Refining



**Jad Dib**

Partner, Dubai Leader of McKinsey's Oil & Gas Practice in the Middle East



**Ahmed Abdullah Al Haddad**

Chief of Public Relations, Ministry of Oil and Environment



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**Mr. Mitib Al Harbi**

Vice President, Fuels Business Management

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## Program Committee Chair



**Abdalaziz A. Albalawi**

Director & Chief  
Transformation Officer

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## Operation Committee Chair



**Ammar Zaatari**

Director

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## IDCE PROGRAM COMMITTEE



**Committee Vice-Chair**

**Emad A Al-Muhaisen**

Assistant, SVP Western Region  
Manufacturing

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**Workstream Coordinator**

**Mohammed Mansoor**

GDA Technical & Marketing Manager / Bapco  
Refining Vice President Special Assignment

Bapco  
Refining



**Gaurav Srivastava**

Regional Head - Oil Midstream and  
Downstream Consulting (ME & India)

S&P Global  
Commodity Insights

## IDCE OPERATIONS COMMITTEE



**Project Coordinator**

**Faisal Y. Al-Dossary**

Sr. Marketing Coordinator, Fuels

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**PMO**

**Eman Al Khonaifer**

Engineer, Ras Tanura Refinery

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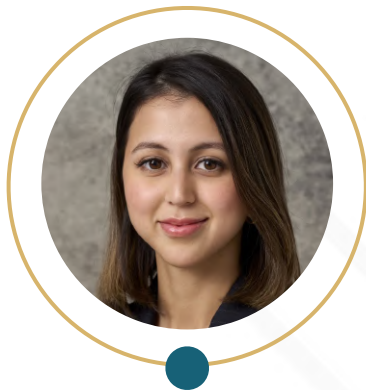


**VIP & Protocol**

**Mohammad Al-Saif**

Corporate Comms Manager

معهد الطاقة  
EnergyTech



**Executive Communication**

**Eman Turkistani**

Senior Affiliate Advisor, Fuels  
Business Management

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**Youth Committee Lead**

**Khalid S. Al-Abdulwahed**

General Manager, Maintenance  
and Operations Training Center

معهد الطاقة  
EnergyTech

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**Sales & Ceremonies**

**Ghaida S Alsaleh**

Financial Analyst, Eastern Region Fuels



**VIP & Protocol**

**Saeed Mohammed Al Mamari**

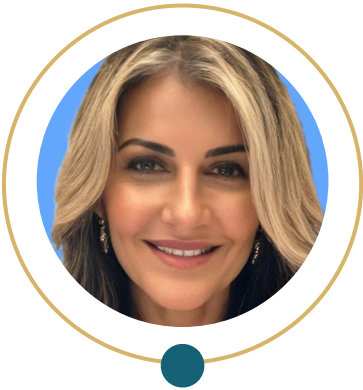
Sr. Marketing Coordinator, Fuels



**Marketing & Media**

**Hessa Ali Albadi**

P&PM, Fuels



**VIP & Protocol**

**Abeer Khaled Al-Essa**

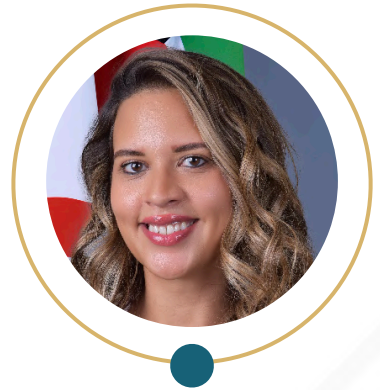
Team Leader Corporate Communication -  
Management Support Department



**Sales & Marketing**

**Rakan Alajmi**

Engineer



**VIP & Protocol**

**Sarah Hashem**

Senior Controller, External  
Communications



**Program & Communication**

**Maram Jahani**

GDA Communication Manager



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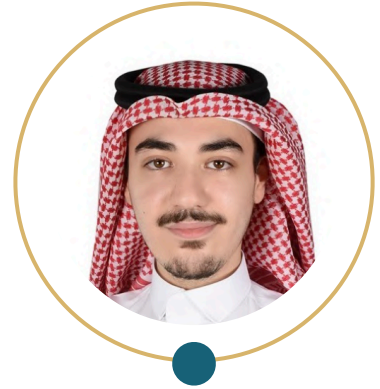
**Exhibition & Venue Setting**  
**Ahmed Mohammed Alshehri**

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**Exhibition & Venue Setting**  
**Ameen J. Aldossary**

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**Exhibition & Venue Setting**  
**Sultan Ahmed Yousef Abduljabbar**

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# SUMMARY CONCLUSION

The event is structured across two integrated tracks:

The Strategic Conference (*keynotes, panels, leadership dialogues*) and The Technical Conference (*Industry Dialogues, paper presentations, posters*). Each day begins with high-level sessions addressing macro trends and leadership themes, followed by technical deep-dives and innovation showcases. Eight Industry Dialogues bridge strategic vision with technical sub-themes, ensuring alignment across sessions.

The program concludes with invited technical presentations and poster exhibitions, enabling participants to share cutting-edge research and practical solutions. The format is designed to foster cross-functional insight and industry collaboration, bringing together C-suite leaders, technology providers, regulators, and operators. Participants gain access to emerging trends in AI, new fuels and digitalization, while building connections across the downstream value chain for meaningful engagement and sustainable innovation.

## International Downstream Conference & Exhibition 2025

INNOVATING ENERGY, CREATING SUSTAINABLE VALUE



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