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## Digitalizing Process Engineering for a Sustainable Future

MAY 6 - 8, 2024 | DHAHRAN EXPO, KINGDOM OF SAUDI ARABIA

**EVENT BROCHURE** 

# The 6th Middle East Process Engineering Conference & Exhibition

**MEPEC** is the definitive event in the Middle East for process engineering, offering a platform for leaders to engage with the dynamic challenges and promising opportunities within the field. Designed to be a forum for the exchange of cutting-edge ideas, technologies, and the sharing of experiences and best practices among peers, it's a driving force towards a more efficient, secure, and prosperous process engineering industry.

Additionally, it serves as a crucial junction where industry connects with academic institutions and research and development centers, fostering collaboration under a single roof. With a core focus on pivotal industries, such as oil, gas, petrochemicals, and utilities, MEPEC is at the forefront of shaping the future of process engineering.





## Message from the Conference Chairman

## Walid A. Al-Naeem

Vice President & Chief Engineer, Aramco

## Dear MEPEC 2024 Participants,

It is my great pleasure to cordially invite you to the 6th edition of the Middle East Process Engineering Conference & Exhibition (MEPEC 2024) to be held from May 6 - 8, 2024, at the esteemed Dhahran Expo in the Kingdom of Saudi Arabia.

As the Conference Chairman, I am truly honored to be part of this remarkable event that brings together industry leaders, subject matter experts and innovators from around the world. MEPEC has established itself as a premier platform for knowledge exchange, collaboration and technological advancements in the field of process engineering, and I have no doubt that MEPEC 2024 will continue this tradition of excellence.

The theme of MEPEC 2024 revolves around digitalizing process engineering for a sustainable future, it offers an exceptional program filled with engaging keynote speeches, thought-provoking panel discussions, informative technical sessions and interactive workshops. Our speakers lineup of local and global experts will share their expertise, experiences, and insights, inspiring us to push the boundaries of what is possible in process engineering. It is through these collaborative efforts that we can drive positive change and make significant strides towards a more sustainable and efficient energy landscape.

I encourage you to take full advantage of the opportunities provided at MEPEC 2024. Engage in meaningful discussions, network with fellow professionals and explore the exhibition area where leading companies, technology providers and service providers will showcase their cutting-edge products and solutions.

I wish you a fruitful and memorable experience at MEPEC 2024. Let us seize this opportunity to shape the future of process engineering and pave the way for a sustainable and prosperous energy future.



**ADVISORY COMMITTEE CHAIR** 

## **Wail A. Al Jaafari**

Executive Vice President, Technical Services, Aramco



MEPEC has consistently played a key role in fostering collaboration and facilitating knowledge transfer among industry experts. I look forward to another successful edition, where technical pioneers will engage and collaborate to address critical challenges, showcase technological advancements, and inspire sustainability and digitalization in the field of process engineering.

**ADVISORY COMMITTEE CO-CHAIR** 

## **Dr. Darlene Schuster**

CEO and Executive Director, American Institute of Chemical Engineers (AIChE)



As the main organizer of MEPEC, AIChE is honored to contribute to the success of this prestigious event. MEPEC provides an unparalleled opportunity for professionals to come together, exchange knowledge, and explore the latest trends and technologies in process engineering. We are proud to support the industry's collective efforts towards a sustainable and efficient energy future.





**TECHNICAL COMMITTEE CHAIR** 

## **Abdulaziz Al-Ghamdi**

Manager, Downstream Process Engineering Division, Process & Control Systems Department, Aramco

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As the Technical Committee Chairman, I am honored to be a part of the team of dedicated professionals in shaping the content and discussions at MEPEC 2024. Our focus is to deliver a conference program that pushes the boundaries of process engineering, explores sustainable solutions, and showcases the latest advancements. MEPEC is where innovation meets industry, and together, we are advancing the frontiers of our field.

**YOUTH COMMITTEE CHAIR** 

## **Dr. Basim Abussaud**

Associate Professor, Dept. of Chemical Engineering, King Fahd University of Petroleum & Minerals (KFUPM)



As the Youth Program Chairman, I am excited to lead an initiative that nurtures the potential and passion of emerging talents in the field of process engineering. MEPEC 2024's Youth 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.



## **Advisory Committee Members**



Abdullah S Al Suwailem Senior VP, Western Region Manufacturing, Aramco



Prof. Abdulrahman Al Lily Vice President for Graduate Studies and Scientific Research, KFU - King Faisal University



Ahmed Hababou President, Middle East, Egypt and Turkey (MEET) & India, Air Products



Antonio Pietri President & CEO, AspenTech



Baker Fallatah Manufacturing Center of Excellence Leader, SABIC



Bart Boesmans Chief Technology Officer, ACWA Power



Bassam Al Bokhari CEO, EnergyTech



Bryan Glover Chief Growth Office CTO, Honeywell



Dave Parrillo
Vice President of Research &
Development (R&D) for Dow's
Packaging & Specialty Plastics
and Hydrocarbons



**Denis Voloder** Vice President, Transformation of Industry EAD ME, Siemens Energy



Elise Nowee President, Shell Catalysts & Technologies



Fayez Al-Anazi President, Saudi Chevron Phillips (S-Chem)



Joseph Smith AIChE President-Elect, Missouri S&T University



Khalid Al-Harthi President & CEO, Saudi Aramco Jubail Refinery Company (SASREF)



Kirk R. Wilson President, Flow Conti Division



Dr. Khalid Al-Qahtani Senior Vice President, Engineering Services, Aramco



Leon de Bruyn President and CEO, Lummus Technology



Mohammad A. Al Hatlan President and CEO, SATORP



Saad H. Binmatlig President & CEO, Yanbu Aramco Sinopec Refinery Co. (YASREF)



Samer Abdulaziz Al-Hokail President and CEO, Saudi Aramco Base Oil Company (Luberef)



Sultan Albigishi Acting Chief Executive Officer, ADNOC Refining



Quentin Debuisschert Chief Executive Officer, Axens

## **Technical Committee Members**

### **Amer Saleem**

Advisor SCP JCP, Saudi Chevron Phillips (S-Chem)

### **Ashish Abhinit**

Sr. Process Engineer Manager Dow Chemicals

### Dr. Anas F. Alkhani

Engineering Specialist, New Energies Engineering Division, Aramco

## Dr. Anissa Sedjerari

R&D Portfolio Manager, KAUST Catalysis Center

### Dr. Basim Abussaud

Associate Professor, Dept. of Chemical Engineering, King Fahd University of Petroleum & Minerals (KFUPM)

## Dr. Belma Demirel

BP p.l.c

## Claudia Janse van Rensburg

Regional Marketing Manager, FCC, EMEA, W.R. Grace & Co

## Dr. Debalina Sengupta

Program Director, Coastal Resilience, Texas Sea Grant, Texas A & M University

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Vice President & Managing Director, MENA, Lummus Technology

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Technical Expert – Process, Midstream Production Systems (MPS), Saudi Arabia & Bahrain, SLB

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Senior Engineering Consultant, IIoT Leader and Chairman of Instrumentation Standards, Aramco

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Engineering Consultant, P&CSD, Aramco

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Assistant Professor, Chemical Engineering, King Abdullah University of Science and Technology (KAUST)

### Haitham Saleh Al-Nazha

Process Engineering Manager, Maaden Phosphate Co.

## Hamzah Issmail Aljumiah

Senior Manager, Process Engineering, SABIC AR RAZI

## Hashem Al-Hashem

Leader, GAS & ARRAZI Project, SABIC

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Assistant Professor and PCAP Program Coordinator, University of Bahrain

## Joseph Ibrahim

Managing Director, Axens

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Engineering Specialist, Program Development, American Institute of Chemical Engineers (AIChE)

## **Kelsey Kettelhut**

Associate Director, Program Development, American Institute of Chemical Engineers (AIChE)

## Kelepile E. Meleloe

Process Engineer, GME Operations Engineering Solutions Department, Aramco

## Madi M. Asiri

Process Engineering Sr. Superintendent, SATORP

### Dr. Mohamed Bin Shams

Chair and Associate Professor, Department of Chemical Engineering, University of Bahrain

## **Mohammad Mozahar Hossain**

Professor, Dept. of Chemical Engineering, King Fahd University of Petroleum & Minerals (KFUPM)

## Mohammed Benchekchou

Director, Shell Catalysts & Technologies

### Dr. Nasiru M. Tukur

Engineering Consultant, P&CSD, Aramco

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Sr. Director – Solution Consulting, Aspen Technology

## Sandeep Goel

Director, Commercial Onshore, MCDermott

## Dr. Steve Hall

Independent Industry, Consultant

### Thabet Abdullah AlGahtani

Sr. Manager, MFG Efficiency, Center of Excellence, SABIC

### Tim McMinn

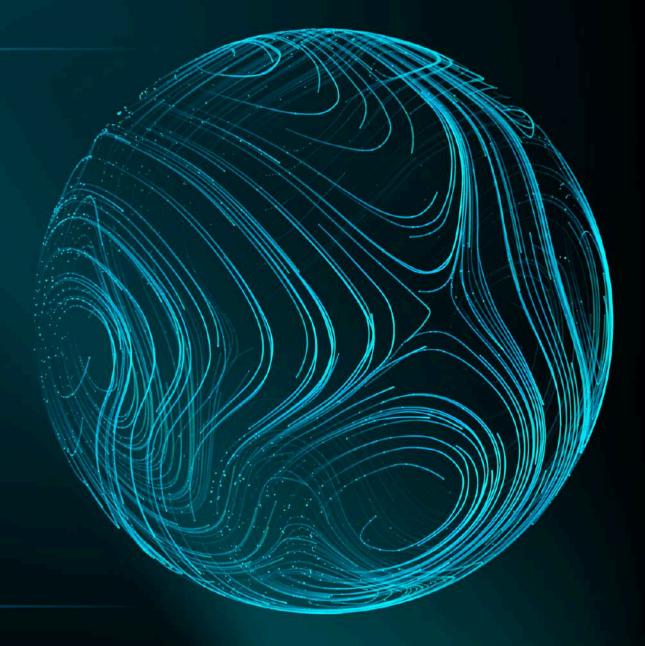
Vice President Process Engineering & Products, ExxonMobil Technology and Engineering Company (EMTEC)

Theme:

# Digitalizing Process Engineering for a Sustainable Future

Highlighting the essential significance of prioritizing the digitalization of process engineering, aligning with global efforts to address climate change, resource scarcity, and environmental degradation. This shift empowers industries to operate with increased responsibility, efficiency, and competitiveness, making a significant contribution to a more sustainable and resilient future for our planet.

MEPEC 2024 explores the utilization of digital technologies and innovations to enhance and streamline processes while placing a strong emphasis on environmental sustainability.



## **Technical Session Topics**



Exploit opportunities to boost plant performance or safety

- Troubleshooting
- Yield and margin improvements
- Process efficiency
- Plant optimization
- Reliability
- Process safety



Address alternative energies complementing conventional sources which is the future energy landscape

- Alternative fuels
- Hydrogen
- Ammonia
- Sustainable aviation fuels (SAF), Low Carbon Aviation Fuel (LCAF)
- e-Fuels
- Renewables



Examine emerging technological innovations enabling reductions in carbon footprint and greater efficiency in energy use

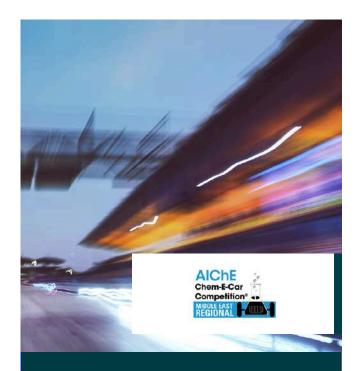
- Carbon Capture, Utilization and Storage (CCUS)
- Energy efficiency
- Emerging process technologies/designs with reduced CO2 emissions
- Success stories in lowering scope 1, 2 & 3 emissions
- Liquids-to-Chemicals (LTC)
- Non-metallic applications
- Digital Sustainability Solutions



Deliberate digital solutions driving process industries towards a more sustainable future

- Industrial Data Science and Al applications
- Digital Twin/3D Modeling
- Robotics/Unmanned Aerial Vehicles (UAVs)
- Augmented Reality / Virtual Reality (AR/VR)
- Preventive Analytics Applications / Machine Learning
- Advanced Process Control & Optimization
- Autonomous Operation

## **Industry Initiatives**



## AIChE Middle East Regional Chem-E-Car Competition®

AlChE's Chem-E-Car Competition® engages college students in designing and constructing a car powered by a chemical energy source that will safely run a specific given distance and stop.



## ChemME - Dedicated for Students and Young Professionals

A comprehensive program for early career professionals in chemical engineering in the Middle East. Students and young professionals have the opportunity to meet with industry leaders and share ideas amongst their peers. This program aims to build their skills and knowledge, and pathways to employment, training and education in process engineering.



## LEWAS - Leadership Excellence for Women Awards & Symposium

A diversity and inclusion program aimed at women in energy. LEWAS engages, empowers and elevates women by providing a series of talks, workshops, networking and mentorship opportunities.

## **Conference at a Glance**

Timings	Day 1 - Monday May 6, 2024	Day 2 - Tuesday May 7, 2024	Day 3 - Wednesday May 8, 2024
7:30 Onwards	Registration	Registration	Registration
08:00 - 09:00	VIPs & Guests Arrival	VIPs & Guests Arrival	VIPs & Guests Arrival
09:00 - 09:20	Conference Opening & Welcome	Keynote Session 3	Keynote Session 5
09:20 - 09:40	Keynote Session 1	Keynote Session 4	Keynote Session 6
09:40-10:00	Keynote Session 2	Special Featured Panel	Keynote Session 7
10:00 - 11:00	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking
11:00 - 11:30			Strategic Panel
11:30 - 12:00	Strategic Panel		
12:00 - 12:30			Prayers, Lunch & Exhibition Networking
12:30 - 13:00	Prayers, Lunch & Exhibition Networking	Prayers, Lunch & Exhibition Networking	Technical Session 7
	Technical Session 1	Technical Session 4	Process Decarbonization & Process New Excellence VII Energy Transition V Excellence VIII Energies III
13:00 - 14:00	Process New Digitalization Decarbonization & Excellence I Energies I I Energy Transition		Coffee Break & Exhibition Networking
14:00 - 14:30	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking	Technical Session 8
	Technical Session 2	Technical Session 5	Process Decarbonization & Process Digitalization Excellence IX Energy Transition VI Excellence X VIII
14:30 - 15:30	Process Decarbonization & Digitalization II Process Excellence II Energy Transition I Excellence XI	Process Excellence V Decarbonization & Digitalization Process Excellence XII	Excellence IX Energy Transition VI Excellence X VIII
	Excellence II	Technical Session 6	Closing Ceremony
15:30 - 16:30	Process Decarbonization & Digitalization III Digitalization VII	Process Excellence Decarbonization & Digitalization Process Excellence VI VI XIII	
17.70 1015	Excellence III Energy Transition II  Inauguration Ceremony		
17:30 - 18:15	& VIP Exhibition Tour	AIChE Middle East Regional Chem-E-Car Competition®	
18:15 - 18:30	Break		
18:00 - 19:00	Gala Dinner Reception		
19:00 - 20:30	Gala Dinner (by invite only) Emerald Hall		



This initiative features a comprehensive program of activities that attract numerous students and early career professionals from the MENA region. Students and young professionals have the opportunity to meet with industry leaders and share ideas amongst their peers. This program aims to build their skills and knowledge, and pathways to employment, training and education in process engineering.



## **Program**

## Day 1 - May 6, 2024

## 10:30 - 10:50

ChemME Opening Remarks

## 11:00 - 12:30 How to Become a CEO

Participate in the competition and experience a real CEO challenge and how to resolve it.

### 13:30 - 15:00 Leaders to Inspire

Meet CEOs of major companies and learn about their journey. Get tips on how to achieve your professional goals.

## 15:30 - 16:30 Process Safety Session

A technical session delivered by an SME on a specific topic within the process safety discipline.

## 17:30 - 18:30 Personal Branding

In this workshop, you will learn how personal branding can help you build your career.

## Day 2 - May 7, 2024

## 07:00 - 16:00 Plant Tour

Enjoy an exclusive tour into one of the leading manufacturing plants in the industry.

## 08:00 - 09:00 Emotional Intelligence

A professional development session focusing on the importance of emotional intelligence for career success.

## 10:30 - 11:25 Aspen Tech Competition Winners

Announcing the winners of the simulation competition & celebrating certified users.

### 13:00 - 15:30 Technical Debate

Be a member of one of the opposing teams and speak about the topic given to you. Support your ideas by justifying and rebut the other team's points.

## 15:30 - 16:00 Digitalization Technical Session

A technical session addressing the challenges and opportunities of today's digitalization journey.

## Day 3 - May 8, 2024

## 08:00 - 16:00 Plant Tour

Enjoy an exclusive tour into one of the leading manufacturing plants in the industry.

## 08:00 - 09:00 Chemical Engineer Future Careers

Meet successful young chemical engineers working in different fields and learn how to secure your dream job.

## 10:15 - 12:15 Process Automation Competition (Fablab)

Don't miss the opportunity to collaborate in automating the process of multiple modules using compute logic and simple programming.

## 13:00 - 14:00

ChemME Closing Ceremony & Raffle Draw

## Thank you to Our Sponsors and Partners





































**150** 

exhibitors

200

speakers

10,000 sq.m.

exhibition space

5,000

50+

represented countries

attendees

100

sponsors & partners

## A Gathering of Technical Experts

MEPEC is attended by C-level executives, engineers and other professionals from technical disciplines.

## **C-LEVEL EXECUTIVES**

Board Member

President

Vice - President

Chief Executive Office

Executive Director

Managing Director

General Manager

Chief Engineer

Senior Manager

## **ENGINEERS AND OTHER PROFESSIONALS**

- Advanced Process Manager
- Analyzer Account Manager
- Area Manager
- Assistant Engineer
- Business Analyst
- Business Development Manager
- Chemical Engineer
- Chemist Specialist
- Communications Engineer
- Consultant
- Control Systems Engineer
- Country Manager
- Deployment Manager
- Design Process Engineer
- Division Head Electrical & Instrumentation Manager
- EP Manager
- Field Service Engineer
- Gas Engineer

- Gas Process Engineer
- HSE Manager
- Industry Marketing Manager
- Inspection Manager
- Instrument & Control Engineer
- Internal Auditor
- Lead Engineer
- Lead Scientist
- Maintenance Manager
- Manufacturing Manager
- Marketing Manager
- Mega Project Manager
- Modelling & Planning Specialist
- NGL Fractionation Manager
- NGL Manager
- Oil Producing Engineer
- Operational Excellence Manager
- Performance Specialist

- Pilot Plant Manager
- Planning Manager
- Plant Engineer
- · Practice Leader
- Process Applications Manager
- Process Control Manager/ Engineer
- Process Review Manager
- Process Specialist
- Producing Engineer
- Production Engineer
- Production Specialist
- Professional Process Manager
- Professors and Assistant Professors
- Project Manager
- Quality Manager
- Refining/ Refinery Manager
- Regional Manager
- Research Engineer

- · Safety & Environment Manager
- Sales Manager
- Sales Operations Manager
- Scheduling & Planning Engineer
- Simulation & Optimization Manager
- · Site Improvements Manager
- Specialty Products Manager
- Superintendent
- Team Leader
- Technical Catalysts Manager
- Technical Services Manager
- Technology Development Chemicals Manager
- Technology Manager
- Technology Programming Manager
- Technology Sales Manager
- Trading & Modeling Manager
- Training Manager
- Utilities Manager/Engineer



## Why Sponsor

Whether your goal is to position your brand before technical experts, industry titans, introduce innovative products, or ensure that your leadership team stands at the forefront of the industry while fostering valuable connections, we have the perfect sponsorship opportunity for you.

Principal Sponsor USD \$ 300,000

Platinum Sponsor USD \$ 150,000

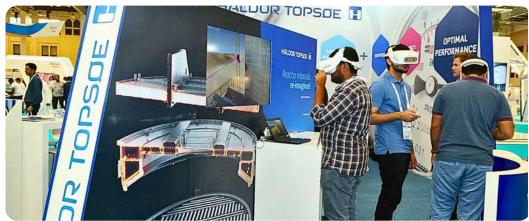
Gold Sponsor
USD \$ 100,000

Silver Sponsor<br/>USD \$ 50,000



## All sponsorship packages include:

- **Economic benefits:** exhibition space, delegate passes, VIP passes, etc.
- Branding: online (including pre-event), onsite, special announcements
- **VIP access:** VIP car park, VIP entrance, VIP seating arrangements, VIP tables, VIP lounge, VIP luncheon access
- Access: delegates list, meeting facilities, etc.



Sponsorship: satish@e3-worldwide.com

## Why Exhibit

MEPEC features a diverse attendee list comprised of C-level executives, government bodies, engineers, media, and other professionals. It is the premier process engineering event for the oil and gas industry in the Middle East.

Exhibition Space Only: \$ 690 per sq.m.





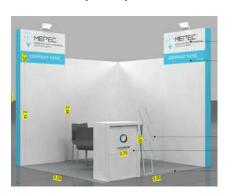
Exhibition: curzon@e3-worldwide.com

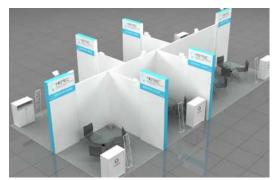
• Explore 150+ booths

 Attended by 5,000+ budget gatekeepers Product demos& launches

 Workforce development discussions and opportunities

## Exhibition Equipped Space: USD \$ 920 per sq. m.





## Event Overview



Digitalizing process engineering through innovation and collaboration offers insights into technology, management practices, tools and techniques pertinent to shaping the business outlook.



Showcase your solutions, meet new customers, reach out to your existing clients, and create a more established and reliable brand. Secure your exhibition space today.



An exclusive, invitation-only, business-focused VIP area connecting ministers, decision makers, C-suite executives from across the value chain.

## **Registration Fees**

Participant Category	Pre-Event (Jan - May 2024)	Onsite (May 6 - 8, 2024)
VIP Delegate	USD 1,200	USD 1,500
Speaker & Committee Member	Complimentary	Complimentary
Exhibitor	Complimentary	Complimentary
Visitor	Complimentary	Complimentary
Media	Complimentary	Complimentary

## Register at mepec.org

For more information please email: <a href="mailto:registrations@e3-worldwide.com">registrations@e3-worldwide.com</a>



## The Venue: Dhahran Expo

Dhahran International Exhibitions Company 'Dhahran Expo' is considered as one of the largest exhibition companies in the Kingdom of Saudi Arabia. Since its inception, Dhahran Expo has consolidated its position as a leader in the exhibition industry in the area.

Dhahran Expo has a full range of services that can put together a customized solution for every event. The company supports the MICE industry by opening-up markets for its customers, hosting attentively with excellent care its clients, visitors and guests, before, during and after any event. Dhahran Expo excel in creating brand leading, highly targeted events where people from around the world come together to do business and meet.





For the first time, MEPEC will be held in the Kingdom of Saudi Arabia on May 6-8, 2024.

Strategically located at the crossroads of Asia, Europe, and Africa, the Kingdom of Saudi Arabia is the most ideal meeting point for participants from various parts of the world. As one of the leading producers of oil and natural gas, the country is abundant in energy resources, making it a focal point for discussions on global energy markets and energy transitions, attracting international industry leaders, policymakers, and experts.

We look forward to hosting the local and international delegations to it's rich cultural heritage, historical sites and attractions.



## Testimonials

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MEPEC provided a wide range of attendees, manufacturers, operating companies and applications. The conference generated new ideas and forward-thinking for new products and improvements to existing products. We met important clients with serious interests, which is a true measure of a technical conference.

Barry Perlmutter,

President & Managing Director BHS Sonthofen Inc.

66

MEPEC 2019 was a resoundingly successful conference that presented the latest in technology and advances being made in process engineering.

Jim Brigman,

Managing Director, Ingenero Inc. 66

The exchange of knowledge and ideas with other experts. Also gain broader insights about the business future and forecasts.
Excellent arrangement was something that I am grateful about. Thank you

Safi Albuhairi, SAMREF 66

MEPEC is an extraordinary event for receiving the latest information and technologies related to process engineering and the industry.

> **Faisal Alashour,** Saudi Chevron Phillips

66

During this MEPEC 2017 I have witnessed interesting presentations given by companies presenting for the first time in the Middle East which demonstrates that MEPEC focuses on bringing new ideas and new players.

Joseph Ibrahim,

Managing Director, Axens 66

MEPEC 17 was a remarkable success. It was impressive with its insightful key note speeches, interactive panel discussions and very informative technical sessions covering a wide spectrum of industry aspects. MEPEC has certainly become one of the most high profile conferences in the region.

Shaalan Al Zahrani,

General Manager Technical, Saudi Chevron Phillips (S-Chem) 66

I found the 3-day conference inspiring, enlightening & stimulating. The panel discussion sessions were excellent platforms for exchange of knowledge and experience between industry leaders and younger talents.

**Dr. M. Tukur Nasiru,**Engineering Consultant, P&CSD,
Aramco

66

AVEVA, as Schneider Electric Software, has always found MEPEC an excellent event to meet with our clients and potential clients in the region. Over the years the balance between Technical Sessions, Discussion Panels and exhibition has allowed us to make excellent use of the opportunity to meet our valued clients.

Roy Calder, AVEVA

## **Media Partners**

Standards Partner







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Official Regional Publication





## Media Partners































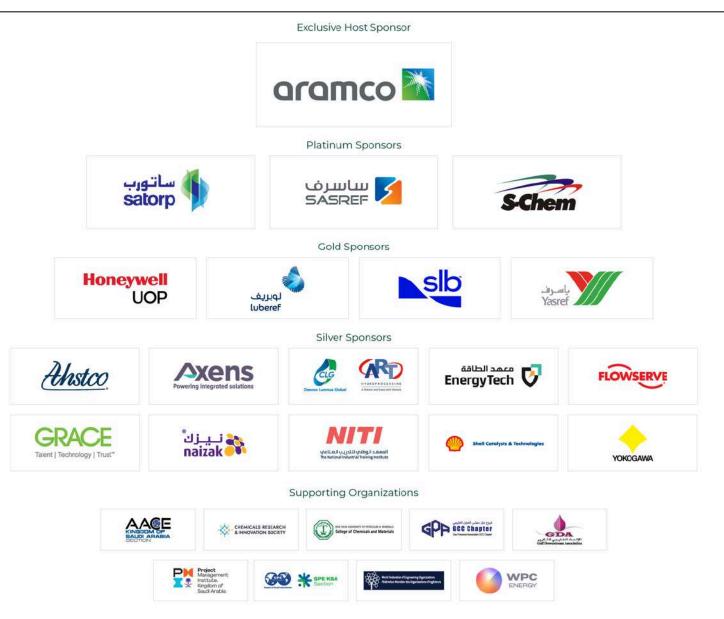








## **Sponsors and Partners**



Updated: May 5, 2024