



**MEPEC 2024**  
MIDDLE EAST PROCESS ENGINEERING  
CONFERENCE & EXHIBITION

organized by

**AIChE**   
The Global Home of Chemical Engineers

exclusive host sponsor

**aramco** 

# Digitalizing Process Engineering for a Sustainable Future

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

**EVENT BROCHURE**

[www.mepec.org](http://www.mepec.org)

# 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 toward 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 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. And 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

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



MEPEC has consistently played a key role in fostering collaboration and facilitating knowledge transfer among industry experts. And 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.





TECHNICAL COMMITTEE CHAIR

## Abdulaziz Al-Ghamdi

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



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.



# Technical Committee Members

## Amer Saleem

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

## 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, 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

## Fadi Mhaini

Vice President & Managing Director, MENA, Lummus Technology

## Faisal Ahmad Raza

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

## Fawaz Sahan

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

## Dr. Gopal Juttu

Engineering Consultant, P&CSD, Aramco

## Gyorgy Szekely

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

## Joseph Ibrahim

Managing Director, Axens

## Justin Canna

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

## 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)

## Dr. Nasiru M. Tukur

Engineering Consultant, P&CSD, Aramco

## Dr. Nasser Al-Harbi

Sr. Manager, External Collaborations, SABIC

## Nihar Gulwadi

Regional Head - MENA, Ingenero Inc

## Dr. Ranjit Kulkarni

Global Director – Business Development, Honeywell UOP

## Dr. Richard Charlesworth

Executive Director, S&P Global Commodity Insights

## Dr. Rohit Patwardhan

Sr. Engineering Consultant, P&CSD, Aramco

## Saifuddin Sheikh

Sr. Director – Solution Consulting, Aspen Technology

## Sandeep Goel

Director, Commercial Onshore, MCDermott

## Sandeep Goel

Director, Commercial Onshore, MCDERMOTT

## Dr. Steve Hall

Independent Industry Consultant

## Thabet Abdullah AlGahtani

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

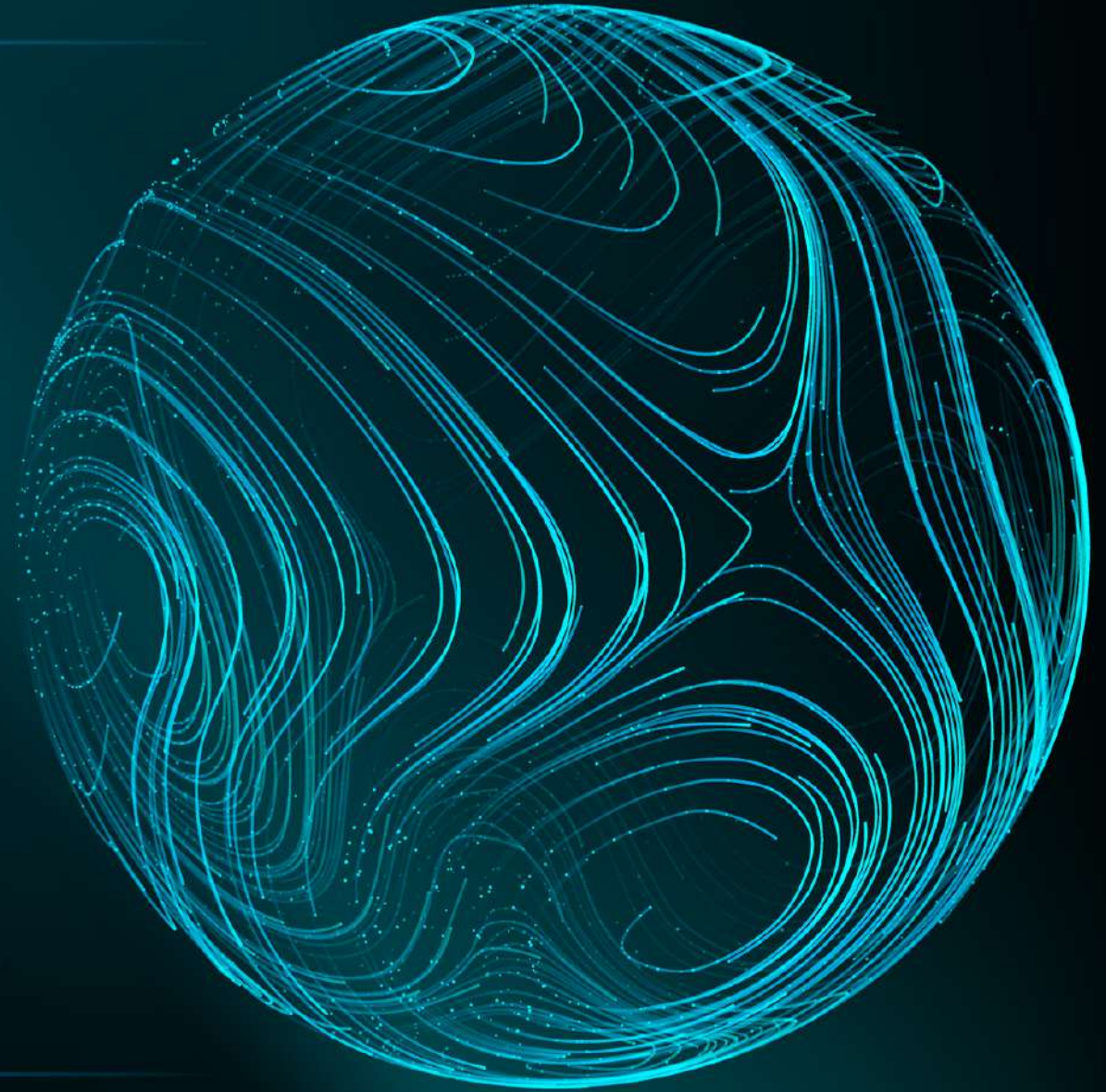
## Tim McMinn

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

# 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.



# Call for Abstracts - Closed

Enhance your credibility and establish yourself as an authority in this field. Grab this opportunity to speak in front of over 5,000 attendees.



## Process Excellence

Exploit opportunities to boost plant performance or safety

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



## New Energies

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



## Decarbonization & Energy Transition

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



## Digitalization

Deliberate digital solutions driving process industries towards a more sustainable future

- Industrial Data Science and AI 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

**Notification of Abstract Selection:  
5 February 2024**

Visit [www.mepec.org](http://www.mepec.org) to view the topics or scan the QR Code





# 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
08:30 - 09:00	VIPs & Guests Arrival	VIPs & Guests Arrival	VIPs & Guests Arrival
09:00 - 09:30	Conference Opening & Welcome (30 minutes)	Keynote Session	Keynote Session
09:30 - 10:00	Keynote Session		
10:00 - 10:30		Featured Special Session	Coffee Break & Exhibition Networking
10:30 - 11:00	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking	Panel Session
11:00 - 11:30	Executive Panel	Executive Panel	
11:30 - 12:00			Prayers, Lunch & Exhibition Networking
12:00 - 12:30	Prayers, Lunch & Exhibition Networking	Prayers, Lunch & Exhibition Networking	
12:30 - 13:00			Technical Sessions
13:00 - 13:30	Technical Sessions	Technical Sessions	Technical Sessions
13:30 - 14:00	Technical Sessions	Technical Sessions	Technical Sessions
14:00 - 14:30	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking	Coffee Break & Exhibition Networking
14:30 - 15:00	Technical Sessions	Technical Sessions	Technical Sessions
15:00 - 15:30	Technical Sessions	Technical Sessions	Technical Sessions
15:30 - 16:00	Technical Sessions	Technical Sessions	Closing Ceremony
16:00 - 16:30	Technical Sessions	Technical Sessions	
16:30 - 17:00	Exhibition Inauguration	AICHE Middle East Regional Chem-E-Car Competition®	
17:00 - 17:30			
17:30 - 18:00			
18:00 - 18:30	Gala Dinner Guests Arrival		
18:30 - 19:00	Gala Dinner		
19:00 - 19:30			
19:30 - 20:00			

*\*Subject to Change*



The 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 Chief Executive Officers 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 area within process safety discipline.

**17:30 - 18:30** Personal Branding

In this workshop, You will learn how personal branding can help you build your career and live a meaningful life.

### 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. Make sure to support your ideas by justifications and rebut 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

## Event in Numbers

**150**

exhibitors

**200**

speakers

**10,000** sq.m.

exhibition space

**5,000**

attendees

**50+**

represented countries

**100**

sponsors & partners

# A Gathering of Global Experts

MEPEC is attended by a combination of C-Level Executives in addition to Engineers and other professionals from within the technical disciplines, amongst its participants.

## 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
- 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
- Gas Process Engineer
- Research Engineer
- Safety & Environment Manager
- Sales Operations Manager
- Sales Manager
- Scheduling & Planning Engineer
- SHE Manager
- Site Improvements Manager
- Simulation & Optimization 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
- 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
- Utilities Manager/Engineer
- Training Manager



# Testimonials

“

*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.

“

*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.

“

*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 Albuhairei,**  
SAMREF

“

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

**Faisal Alashour,**  
Saudi Chevron Phillips

“

*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

“

*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.*

**Shaan Al Zahrani,**  
General Manager Technical,  
Saudi Chevron Phillips (S-Chem)

“

*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

“

*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

## SPONSORSHIP

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\$ 300,000

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\$ 150,000

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\$ 100,000

### Silver Sponsor

\$ 50,000

#### All sponsorship packages include:

- **Economic Benefits:** exhibition space, delegate passes, VIP passes, etc.
- **Branding:** online (including pre-event), onsite, special announcements, etc.
- **VIP access:** VIP Car Park, VIP entrance VIP seating arrangement, VIP tables, VIP lounge, VIP Lunch
- **Access:** delegates list, meeting facilities, etc.

Sponsorship: [satish@e3-worldwide.com](mailto:satish@e3-worldwide.com)



## EXHIBITION

### Exhibition Space Only:

\$ 690 per sq. m.



Exhibition: [curzon@e3-worldwide.com](mailto:curzon@e3-worldwide.com)

### Exhibition Equipped Space:

\$ 920 per sq. m.



# The Venue: Dhahran Expo

The ideal place in Saudi where people from around the world come together to do business and meet.

Dhahran International Exhibitions Company “Dhahran Expo” 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.



# MEPEC 2024 welcomes you to the Kingdom of Saudi Arabia

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 its rich cultural heritage, historical sites and attractions.



King Abdulaziz Center for  
World Culture - Ithra

Updated: January 16, 2024



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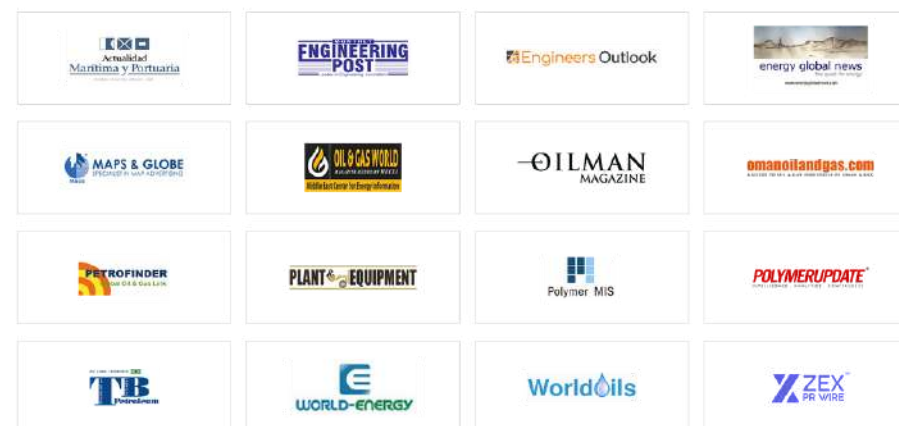
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