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Leveraging Gas
toward the Energy
Transition and
Sustainability

Welcome to the 30th GPA-GCC Conference & Exhibition



Under the Patronage of
Abdulkarim A. Al Ghamdi
Executive Vice President,
Gas | Saudi Aramco

We are delighted to bring together industry leaders, technical experts, and innovators for this milestone event, taking place from April 29 to May 1, 2025, at the Kempinski Al-Othman Hotel, Al Khobar, Saudi Arabia.

This year's conference, themed "Leveraging Gas Towards Energy Transition and Sustainability," highlights the crucial role of gas in shaping a cleaner and more sustainable energy future. As the industry evolves, this event will serve as a platform for insightful discussions, cutting-edge innovations, and collaborative solutions that drive progress in energy efficiency, decarbonization, and digital transformation.

Join us as we explore new opportunities, share knowledge, and work together to advance the gas processing industry in the GCC region and beyond.

About Us

History

In November 1992, representatives from nine major oil companies in the Gulf Co-operation Council met in Bahrain to promote the formation of the **Gulf Chapter of the Gas Processors Association**. This meeting, which was hosted by the Bahrain National Gas Company (BANAGAS), was also attended by three senior representatives of the GPA and GPA - European Chapter.

The formation of a GCC Chapter of the GPA to be based in Bahrain was agreed in the meeting and a steering committee was formed to work on the By-Laws of the Chapter and to arrange for an organization meeting in April 1993.

In the April organization meeting, the GPA - GCC Chapter was formally declared,

the By-Laws were approved and the members of the first Executive Committee consisting of Chairman, Vice Chairman, Secretary-Treasurer and four other members were selected.

On the 13th October 1993 the Executive Committee met in Bahrain and agreed to extend the Chapter's membership to suppliers.





Our Mission

To serve as a Forum for the exchange of ideas, technology, and information that will benefit both the upstream and downstream Gas Processing industries, and their Suppliers, with a view toward improving Plant Operations, and Health, Safety and Environmental performance in the GCC countrie



Our Vision

To be the focal point and the main source of information on the Gas Processing industry in the Gulf Cooperation Council Countries.



Chairman's Message



Rashed Al-Dossary
Chairman
Director, Shedgum Gas Plant
Department,
Aramco

Dear Participants,

It is my great pleasure to invite you to participate in the 30th Gas Processors Association- Gulf Cooperation Council (GPA-GCC) Annual Conference and Exhibition, which will take place from April 29th to May 1st, 2025, at the Kingdom of Saudi Arabia.

Since its inception, the GPA-GCC Annual Technical Conference & Exhibition has been a premier platform for advancing knowledge, sharing best practices, and showcasing cutting-edge technologies in the gas processing industry by regional and international experts. The conference has played a pivotal role in fostering collaboration between operation organizations, professional engineers, technology providers, and research institutions to address the industry's challenges and opportunities.

This year marks the first time GPA-GCC hosted in Saudi Arabia, a pivotal moment in the region's gas energy landscape under the theme of "Leveraging Gas Toward the Energy Transition and Sustainability," the conference will showcase the evolving role of Natural Gas and LNG in enabling a lower-carbon future while ensuring energy security and economic growth. Moreover, the conference will address several

important topics with focus on Technology Innovation, Sustainability, and Digitalization in the gas industry.

At the 30th GPA-GCC, you will have the opportunity to present and contribute amongst your peers and interested professionals over the course of three days. In continuation with our great success from previous events, I welcome you all to join us in the 30th GPA-GCC Annual Conference and Exhibition.

Warm Regards,

Rashed Al-Dossary
Director
Shedgum Gas Plant Department, Aramco
GPA-GCC Executive Committee Chairman

Executive Committee



Rashed Al-Dossary
Chairman
Director, Shedgum Gas Plant
Department,
Aramco



Ibrahim Al Hammadi
Vice Chairman
ADNOC Gas

Technical Committee Chairman's Message

Members



Ahmed AlJanah
Treasurer
Bapco Upstream



Bader Al Mansoori
Secretary Member
GPIC



Hamad Al-Zuwayer
Member
KOC



Saleh Nasser Aljatel
Member
KNPC



Jamal Al-Taie
Member
Oman LNG L.L.C.



Sameer Sariry
Member
PDO



Mohammed Fahad Alotaibi
Member
KIPIC



Hesham Aljouhi
Member
Vice President,
Technical Services
ADNOC Sour Gas



Dr. Anwar Al Kharusi
Member
OQ



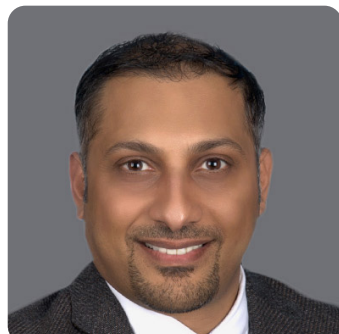
Jamal Al-Enaizi
Member
Production Director
EQUATE



Dr. Ahmed Alkaabi
Member
Bapco Gas



Salem Al-Qahtani
Member
Manager, Upstream
Process Engineering
Division - P&CSD,
Aramco



Dr. Mohammed Sabti
Member
TPL Specialist
Engineer,
KOC



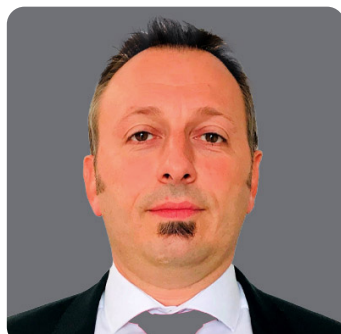
Mohammed Al Ghzawi
Member
MEA Commercial
Leader,
Pall Corporation



Celia Van Rooi
Member
Energy EMEA Sales
Director,
Dow



Dimitrios Bantanidis
Member
Amines & Plasticizers
Limited



Pavlos Papadopoulos
Member
Market Development
Manager,
Parker Hannifin



Ganank Srivastava
Member
ProMax Consulting
Engineer,
Bryan Research &
Engineering LLC



Sami Doumiaty
Member
Regional Sales
Manager,
Atlas Copco



Amir Kamil
Member
Director, BD & Sales
Enerflex



Hussain Alshammasi
Member
SLB



Ashraf Abufaris
Member
Head of Gas
Treatment Middle East
& Central Asia,
BASF



Prasenjit Ray
Member
Sr. Manager,
Engineering
Petrofac LLC



George Lu
Member
Chairman,
Zhejiang HighNew
Environmental
Technology Co. Ltd



Henri Willigenburg
Member
Sr. Business
Development
Manager,
Worley Comprim



Shan
Member
Director Operations,
Quality Wire
Products W.L.L



Carlos E. Garcia C.
Member
Gas Treating Engineer,
EMEA Region
Huntsman
Performance Products



Fahd Fathi
Member
Technology Manager
(EMEA)
Shell



Salem Al Qahtani
GPA-GCC Technical
Committee Chairman

As the Technical Committee Chairman of the 30th GPA-GCC Conference, I am honored to lead a team of dedicated professionals in shaping a dynamic and insightful program.

Our goal is to drive meaningful discussions that push the boundaries of process engineering, explore sustainable solutions, and highlight the latest industry advancements. GPA-GCC serves as a platform where innovation and expertise converge, fostering progress and collaboration across our field.

Salem Al Qahtani
Manager, Upstream Process Engineering Division
Process & Control Systems Department, Saudi Aramco

Technical Committee



Salem Al Qahtani
Chairman
Manager, Upstream Process
Engineering Division - P&CSD,
Aramco



Dr. Mohammed Sabti
Vice Chairman
TPL Specialist Engineer,
KOC



Salem Al Qahtani
Chairman
Manager, Upstream Process
Engineering Division - P&CSD,
Aramco

Members



Eid Helal
Member
Process Engineering
Supervisor,
Aramco



Ayidh Al-Qahtani
Member
Sr. Process Engineer,
Aramco



Mohammed Saati
Member
Process Engineering
Supervisor,
Aramco



Taib Abang
Member
Engineering
Consultant,
Aramco



Makky Hassan
Member
Process Engineer,
Aramco



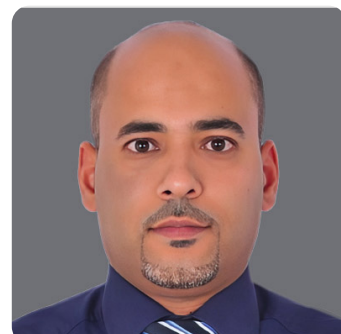
Khalid Babbain
Member
Sr. Process Engineer,
Aramco



Ghanim Al-Ghanim
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Operations LNGI Team
Leader,
KIPIC



Talal Hamadah
Member
Operation Engineer,
KIPIC



Jasim Alsaegh
Member
Superintendent
Technical Services,
Bapco Gas



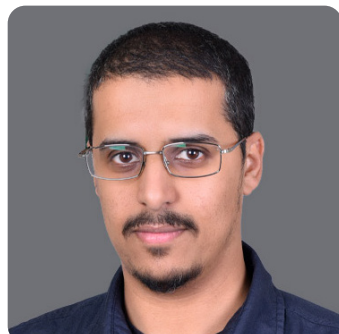
Yaser AlQashar
Member
Corporate
Communication
Executive Officer,
GPA-GCC



Khalifa Alkuwari
Member
LNG Planning &
Importation Engineer,
Bapco Upstream



Talal Alsada
Member
Section Head,
Bapco Upstream



Abdulrahman Al-Sumaie
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Sr. Process Engineer,
KNPC
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Shafi Hamad AlAjmi
Member
Gas Engineer,
KOC



Mariam Al-Ansari
Member
Sr. Gas Engineer,
KOC



Badar Amry
Member
Assesst Improvement
GM,
Oman LNG



Ahmed Al-Ameiry
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Team Leader,
ADNOC GAS



Fatema Alshehhi
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Operation Planning
Analyst,
ADNOC GAS



Khawla Mohammed
Member
Production Planning
Manager,
ADNOC Sour Gas



Moosa Al Rawahi
Member
Director, BD & Sales
Enerflex



Saif Al Hosni
Member
OQ Oman



Yousef Al-Haddad
Member
EQUATE



Kefah AlFaddag
Member
GPA Consultant

Organizing Committee

Members



Ayidh Al-Qahtani
Member
Sr. Process Engineer,
Aramco



Eid Al-Helal
Member
Process Engineering
Supervisor,
Aramco



Mohammed Saati
Member
Process Engineering
Supervisor,
Aramco



Meshal Al-Harbi
Member
Sr. Process Engineer,
Aramco



Saud Mudaibegh
Member
Sr. Engineering
Consultant,
Aramco



Taib Abang
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Khalid Babbain
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Sr. Process Engineer,
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Makky Hassan
Member
Process Engineer,
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Ali Dossary
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Operations Engineer
Specialist,
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Noura Almudaires
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Associate Business
System Analyst,
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Majed Alshaikh
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Associate Engineer,
Aramco



Abdullah Alhumaid
Associate Engineer,
Member
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Abdulmajid Hassan
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Ahmed Jassir
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Mohammed Alnaim
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Supervisor,
Aramco



Salman Ghazwani
Member
Event Manager PR,
Aramco



Yaser AlQashar
Member
Corporate
Communication
Executive Officer,
GPA-GCC

2025 THEME

Leveraging Gas Toward the Energy Transition and Sustainability



TOPICS

A Gas and LNG Processing

Removing impurities, optimizing processing efficiency, reliability, and flexibility in gas and LNG value chains is an essential step in producing on-spec products. Abstract Discussion Points:

- Advances in gas sweetening, dehydration, and NGL recovery
- Process intensification for enhanced energy efficiency
- LNG liquefaction and regasification innovations
- Managing process contaminants (H₂S, CO₂, mercury, etc.)
- Gas Storage
- Advancement in Purifications
- Advancement in Distribution Networks
- Flow assurance challenges

Technology, Innovation, and Digitalization

In our fast-paced and continuously changing energy world, Digitalization and Technology are among the most important pillars that are reshaping gas business landscape. Abstract Discussion Points:

- AI, machine learning, and predictive analytics in gas operations
- Digital twins for real-time process optimization
- Robotics and automation in gas processing plants
- Blockchain for LNG trading and supply chain transparency
- Cybersecurity challenges in digitalized gas plants
- Simulations

Process Safety, Environmental, and Asset Integrity

Process safety, environmental protection, and assets integrity are essential aspects of industrial operations. Abstract Discussion Points:

- Process safety management in gas plants
- Environmental best practices in gas processing
- Asset integrity management for aging infrastructure
- Incident investigation and root cause analysis
- Pipelines and Facilities Integrity/Reliability
- HSE culture and human factors in performance enhancement

Energy Transition and Decarbonization

Aligned with global efforts to halt Climate Change, Decarbonization & Energy Transition are crucial to curb carbon emissions. These important initiatives will ensure sustainability in gas processing industry while supporting net-zero ambitions. Abstract Discussion Points:

- Energy efficiency and sustainability
- Circular Carbon Economy (CCE)
- Hydrogen production from natural gas (blue hydrogen) with carbon capture
- Methane emissions reduction and leak detection technologies
- CCUS deployment in gas processing plants
- Low-carbon fuels and alternative feedstocks
- Renewable energy integration in gas operations

Mega Programs, Construction, and Commissioning

Gas Industry is expanding massively through extensive capital projects. Ventures towards unconventional, and complex projects have been unleashed due to strong gas demand. Abstract Discussion Points:

- EPC strategies for successful project execution
- Benchmarking in Project Management
- Different partnership models on projects (e.g. BOT, 3rd party projects)
- Lessons learned from large-scale gas processing projects
- Modularization and prefabrication in gas plant construction
- Enhancing project delivery through advanced project management tools
- Risk mitigation strategies for large infrastructure projects
- Integration of sustainability in gas infrastructure development

Competency and Talent Development

The professional managers and leaders should concentrate on these assets by training and developing their people very well to make sure the continuity for their organization and success. Abstract discussion points:

- Strategies for upskilling and reskilling the industry workforce
- The role of AI and VR in technical training
- Leadership development for the energy transition
- Knowledge retention and succession planning
- Diversity and inclusion in the gas industry workforce
- High-level Competency ProgramsHSE culture and human factors in performance enhancement

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Conference at a Glance

(Conference Agenda)

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Time	Program
08:00 - 15:00	Workshop 1: Gas Conditioning & Dew Point Control – Kefah A. Al-Faddagh Instructor: Kefah A. Al-Faddagh , Gas Processing Consultant, Aramco
08:00 - 15:00	Workshop 2: Gas Sweetening Processes and Innovations – Amine Experts Instructor: Michael Sheilan P.Eng. , Senior Principal Engineer SGS Amine Experts
09:00 - 16:00	Workshop 3: Sulfur Recovery Technologies and Solutions – Sulfur Recovery Engineering (SRE) Instructor: Dharmesh Patel , Sulfur Recovery Specialist, Sulfur Recovery Engineering Inc. (SRE)
08:00 - 15:00	Workshop 4: Gas and NGL Dehydration – PetroSkills Instructor: Malcolm Harrison , Senior Instructor for PetroSkills, Lanzarote, Spain
08:00 - 14:00	Workshop 5: Advanced Filtration & Separation Applications – Pall Instructor: Alex Vandeput , Business Development Manager, PALL
08:00 - 15:00	Workshop 6: Efficient and Reliable Operations in Gas Treatment and Thermal Management: Reducing Solvent Losses, Corrosion and Energy Use Instructor: Lorenzo Spagnuolo , O&G Application Technology Leader, Dow Anmar Balkhair , Senior Technical Service & Development Specialist, Heat Transfer Solutions Ahmad Kadoura , DOW
08:00 - 14:00	Workshop 7: Emissions Management in Gas Plants using Process Simulation – BRE Instructor: Ganank Srivastava , ProMax Engineering Consultant, MEI Mostafa Shehata , ProMax Engineering Consultant, MEA

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Time	Program
	Morning Session Day 1
07:00 – 07:30	Conference Registration
07:30 – 08:00	Guests Arrival
08:00 – 08:20	VIP Exhibition Tour
08:20 - 08:30	Inauguration Ceremony for the Conference
08:30 – 08:40	Opening Remarks: Salem M. Al Qahtani, GPA-GCC Executive Committee and Program Director Salem M. Al Qahtani, Manager, Upstream Process Engineering Division - P&CSD, Aramco
08:40 – 09:00	Keynote Speech: Abdulkareem A. Al Ghamdi, Executive Vice President, Gas, Aramco
09:00 – 09:20	Keynote Speech: Global Gas, LNG, NGL Market Outlook - Peter Parry, Chairman Global Energy & Natural Resources - Bain & Company
09:20 – 10:20	Executive Panel Discussion I: The Role of Gas in Energy Transition and Sustainability Panelists: Hesham A. Al Adel, Senior Vice President, Southern Area Gas Operations - Aramco Tom Foster, President, US Operations - Worley Gregory Joffroy, Senior Vice President – LNG - Total Energies Massimo Di Odoardo, Vice President, Gas and LNG Research, WoodMackenzie Moderator: Nouf Hijazi, Business News Anchor at Al Arabiya News Channel
10:20 - 11:00	Sponsors Awarding
11:00 – 13:00	Prayer & Networking



Time	Program
	Afternoon Session Day 1
	Stage 1
	Energy Transition & Decarbonization Track Leader: Dr. Mohammed Sabti, Kuwait Oil Company
13:00 – 13:20	CO2 Conditioning Scheme in the Design of Dehydration Units Pierre Yves Lanfrey, AXENS
13:20 – 13:40	Sulzer Separation Excellence for Carbon Capture at Scale Thomas Winkler, Sulzer Chemtech Ltd.
13:40 – 14:00	CycloneCC: The Technology to Accelerate Industrial Decarbonization Krishna Kumar, Carbon Clean
14:00 – 14:20	CO2 Pipeline Best Practices and Design for Dense Phase Transportation Ashutosh Nischal, Worley
14:20 – 14:40	Coffee Break
	Gas & LNG Processing Track Leader: Cicelia Van Roo, DOW
14:40 – 15:00	Technology and Equipment Advances to Address Market Needs for Large LNG Trains Richard Fong, Air Products and Chemicals, Inc.
15:00 – 15:20	Design Considerations for Ethane Recovery and Ethane Rejection Capability Galip Guvelioglu, Lummus Technology
15:20 – 15:40	Smart Loading Optimizer Engine (SLOpE) Abdullah Khalid Al Oraifi, Aramco
15:40 – 16:00	Hybrid Solvent System Design Approach Georg Sieder, BASF Middle East Chemicals LLC
16:00 – 16:10	Session Wrap-up

Time	Program	
	Morning Session Day 2	
	Stage 1	
08:00 – 08:40	Guests Arrival	
08:40 – 09:40	Executive Panel Discussion II: The Role of Gas technologies in Accelerating Decarbonization and Achieving Net Zero Panelists: Dr. Ali Al-Mishari, Senior Vice President, Technology Oversight & Coordination - Aramco Alessandro Bresciani, Senior Vice President, Climate Technology Solutions - Baker Hughes Ashley Coaker, Vice President, Energy & Chemicals, Worley Consulting Jim Stian Olsen, Chief Technology Officer - SLB Capturi Moderator: Taghrid Al-Howish, Broadcaster, Presenter at MBC TV Channel	
09:30 – 09:40	Exhibitors Award and 29th Conference Best Papers Award	
09:40 – 09:50	Coffee Break	
	Stage 1	Stage 2
	Technology & Innovation, Digitalization Track Leader: Mohammad Al Boobaid Aramco	Technology & Innovation, Digitalization Track Leader: Abdullah O. AlSwailem Aramco
09:50 – 10:10	Evaluation of TEG Carryover on Amine-based Acid Gas Removal Units Mohammed Rumaih, Aramco	Downtime Avoidance and Inspection Optimization Towards AI Implementation Aysha Abdulrahman Alghailani ADNOC Sour Gas
10:10 – 10:30	Driving Sustainability in Gas Processing: IIoT Models & Strategic Roadmap Mahmoud Zakari , General Electric (GE)	Advantages Associated with the Use of 3A Molecular Sieve in Natural Gas Dehydration Nick Hammond, Zeochem
10:30 – 10:50	Smart Flare Solution (SFS) Husam Althaaly, Aramco	Advisory optimization using Reinforcement Learning for the NGL Fractionation Abdulaziz Al Qahtani, Aramco
10:50 – 11:10	SAMREF’s Leveraging Optimization Techniques for the SRU Claus Catalyst to Achieve Cost Saving Khalid Samir Ghazal, SAMREF	Virtual Analyzer for RVP Prediction in Mina Al Ahmadi Refinery: A Cost-Effective and Efficient Solution Afnan Aldarwish, KNPC Barrak Alkhaldi, KNPC
11:10 – 11:30	Advanced Hybrid Gas Sweetening Technology – Economics Advantages, and Sustainability Benefits Joern Rolker, Evonik	A Smart Operation to Maintain Moisture Specification While Reducing Energy and Emissions from a CO2 and H2 Dehydration System Fabien Bosc, NOV
11:30 – 11:40	Morning Session Wrap-Up	
11:40 – 13:00	Prayer & Networking	



Time	Program	
	Afternoon Session Day 2	
	Stage 1	Stage 2
	Gas & LNG Processing Track Leader: Shadi M. Al Hazmi, Aramco	Energy Transition & Decarbonization Track Leader: Abdulaziz Zubailah, Aramco
13:00 – 13:20	An Optimum Design for Controlling Pigging Slug to Achieve Cost-Effective Solution Mohamed Al Qasmi , PDO	The Risks and Opportunities of Natural Gas in Energy Transition Conrad Dziobon, Petro skills
13:20 – 13:40	Reliable and Efficient Heat Transfer Fluid Systems: Fluid Selection and Design Considerations Anmar Balkhair, DOW	Utilize excess steam to achieve Sustainability Goals for Decarbonisation Rahma Alameri, ADNOC Gas
13:40 – 14:00	Best Practices for Effective Lube oil Flushing of Large Industrial Turbo Machinery Khalid Mohammed Al Abri, PDO	Solving the Decarbonisation-Business Performance Dilemma: A Game-Changer for the Energy Transition Colin Elcoate, Levidian Nanosystems Ltd
14:00 – 14:20	Thiopaq O&G Ultra: A New Efficient Biological Process for Sulfur Recovery Rieks de Rink, Paqell BV	CO2 Transport Specification, Purification & Dehydration Solutions Mohammed Ali BASF Middle East Chemicals LLC
14:20 – 14:40	Hydraulic and Engineering Analysis for Additional Feed Gas connection from Compressor Stations 9 & 10 to CGP-III Jassim Alsaegh, Bapco Gas Company	Advancing Safety, Energy Transition and Sustainability in KIPIC LNG Import Terminal Flare system Hasan Jaafar, KIPIC
14:40 – 15:00	Coffee Break	

Time	Program	
	Stage 1	Stage 2
	Gas & LNG Processing Track Leader: Ashraf Abufaris, BASF	Energy Transition & Decarbonization Track Leader: Hussain Alshammasi, SLB
15:00 – 15:20	Plasma-based H2S Decomposition: A Novel Approach for Acid Gas Treatment Hana S. Alhawaj, Aramco	Advanced Critical Document Sustainability Process in PDO Daxesh Mistry, PDO Sundus Al Kindi, PDO
15:20 – 15:40	Transforming Gas Plant Operations Through KNPC and UOP Collaborative Synergies Abdulrahman Al-Sumaie, KNPC Avnish Kant, UOP	AGRU Amine Chilling Optimization and Decarbonization through Propane Refrigeration Intelligent Operation Abdulkarim Y Alfheid, Aramco
15:40 – 16:00	Lean FLEXORB Optimization Mohammed Nabeel Al Blooshi ADNOC Sour Gas	From World-Scale LNG to Large-Scale Liquid Hydrogen: Leveraging Lessons Learned for Super-Cold Rotating Equipment Applications Daniel Patrick, Atlas Copco Gas and Process
16:00 - 16:20	In-House Redesigning of Outdated Equipment for Sustainable Efficiency and Cost Savings Salman Alkandari, Kuwait Oil Company	A Novel and Innovative Flare Gas Recovery Solution - From Waste to Value Fatma Harthy, PDO
16:20 – 16:30	Afternoon Session Wrap-up	



Time	Program	
	Morning Session Day 3	
	Stage 1	Stage 2
	Technology & Innovation, Digitalization Track Leader: Meshal A. Al Harbi, Aramco	Process Safety, Environmental & Asset Integrity Track Leader: George Lu, Environmental Technology Co. Ltd
08:00 – 08:20	Utilizing Ground Plastic Mat for Heavy Loading & Offloading Activities Yousef Aljulaud, Aramco	Engineering Study for Piping Design Modification for SCH and BBD systems in SRU Alyazia Abdulla Al Kaabi, ADNOC Sour Gas
08:20 – 08:40	Iron Sulphides - Friend or Foe Eng. Michael Sheilan P, Sulphur Experts	Innovative Design Solutions for Ground Flare Challenges Mohammed Y. Al-Hashem, Aramco
08:40 – 09:00	Mercaptan Removal Options Stijn Pontfoor, Worley Comprimo	Protection of Cryogenic Heat Exchangers Arnab Dutta, CECO Environmental
09:00 – 09:20	Ultrasonic-Shear Wave Technique for Online Valves Inspection Mohammed Alazwari, Aramco	Process Valves Operation & Maintenance to Enhance Asset Integrity, Safety and Reliability of Pipelines Network Mohammad Taqi, KOC
09:20 – 09:40	Coffee Break	

Time	Program	
	Stage 1	Stage 2
	Competency & Talent Development Track Leader: Eid Al-Helal, Aramco	Process Safety, Environmental & Asset Integrity Track Leader: Mohammed Y Saati, Aramco
09:40 – 10:00	Empowering Operators: AI-driven Solutions For Enhanced And Future Ready Industrial Operations Kishore Kumar, Honeywell	Maximizing Gas Value Chain through Effective Over-pressure Control Scheme at NGL Spheres Sultan M. Ahmari, Aramco Bassel H. Alderhalli, Aramco
10:00 – 10:20	Empowering the AI Era: Unleashing Digital Dexterity Capabilities Hadla AlFedaghi, KIPIC	Pulsed Eddy Current Testing of Insulated Piping & Vessel Mohamed Al Harbi, ADNOC Sour Gas
10:20 – 10:40	Bridging Competency Gaps with Systems Thinking: A Holistic Approach to Talent Development Mohammad A. Albuzaid, KANZ	Enhancing Control Systems: DCS Mesh Network Integration Hussain Al-Salman, KNPC Abdulaziz Al-Ajmi, KNPC
10:40 – 11:00	Digital Platform for Opex Improvement for Operations Clayton Ludik, Worley	Iron Sulfide Scale Control in Gas Production Systems Tawfik Ghamdi, Aramco
11:00 – 11:20	Empowering Human Capital for Sustainable Success: A Case Study of KIPIC's LNGI Facility Bibi Faras, KIPIC	Transporting Lean Gas and Condensate from KJO to KNPC LPG Plant Naser Doudan Al-Azemi, Kuwait Oil Company
11:20 – 11:30	Morning Session Wrap-Up	
11:30 – 13:00	Prayer & Networking	

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Time	Program	
	Afternoon Session Day 3	
	Stage 1	Stage 2
	MEGA Programs, Construction & Commissioning Track Leader: Ayidh A. Al Qahtani, Aramco	Downstream Processing Track Leader: Anas Safar, Aramco
13:00 – 13:20	Optimizing Commissioning and Start-Up Strategy: Transitioning from Outsourcing to In-House Sources Ibrahim Al hanshi PDO	Avoid Critical Sour Plant Trip Due To Frequent Utility Nitrogen Trip Saud Abdulaziz Alsaifi, PDO
13:20 – 13:40	The Path to Nonmetallic Qualification in Unconventional Gas Fields Abdullah Albassam, Aramco	Resolution of Operational Challenges at MEROX Unit for LPG Treatment Muhammad Rizwan Tariq, Aramco
13:40 – 14:00	Production Choke Valve Capacity Upgrade Ahmed Salem Almithn, Aramco	
14:00 – 14:10	Session Wrap-up and Closing Remarks	
14:10 - 14:20	Conference Closing Remarks by GPA-GCC Chapter	

Day 1	Title	Presenter	Company
Poster 1	Monitor RO System and Identify the exceedance using TreeMap	Ahmed S Alshaheen	Aramco
Poster 2	Operational improvements in sour glycol dehydration units in PDO	Salim Al Mandhari	PDO
Poster 3	New Optimized LPG Recovery Process	Sami Al Rashed	Lummus Technology
Poster 4	Optimizing Nitrogen Membrane Generator Efficiency Through Design Modifications	Amjd S Alghamdi	Aramco
Poster 5	Column internals for separation and filtration application	Shan Lakshmanan	Quality Wire Products
Poster 6	Improve Total Sulfur Removal without a Hybrid Solvent	Eric Teletzke	INEOS
Poster 7	Enhanced Circular Economy Through Machine Learning	Safwan Zayed	Aramco
Poster 8	Powering Kuwait's Industries & Economy towards Net Zero Emissions	Abdulhadi Salem Al-Ajmi	EQUATE Petrochemical Company
Poster 9	AI auto verification system for accurate measurements	Mahmood Albalushi	PDO
Poster 10	Mitigating Hammering Hazards in Steam Condensate System	Bhanu Maddala	Aramco



Day 2	Title	Presenter	Company
Poster 1	Optimizing Nitrogen Membrane Generator Efficiency Through Design Modifications	Amjd S Alghamdi	Aramco
Poster 2	Towards a Greener Future: A Systematic Review of Decarbonization and Energy Transition Initiatives in the Gas Processing Industry	Shikhar Dua / Aditya Bhushan	KNPC
Poster 3	The Deployment of New Technologies and Initiatives in Samref’s SRU (Sulfur Recovery Unit)	Khalid S. Ghazal	SASREF
Poster 4	Subsea Pipeline Repair Methodologies to Address Integrity and Reliability Issues for Offshore Gas Production Facilities	Farhan Hanif	Aramco
Poster 5	Durasorb LNG: Multiple Gas treatment Solutions wrapped in a single adsorption unit	Mohammed Ali	BASF
Poster 6	Operator Driven Reliability (ODR) in the downstream industry	Bader Jassim Mohammad Al-Kandari	KIPIC
Poster 7	Power generation optimization	Manal Alahmed	ADNOC Gas
Poster 8	The First Initiative in the Arabian Peninsula to Measure Methane Emissions from petroleum Development Oman (PDO) facilities by a Helicopter Probe	Ahmed Ibrahim Alkharusi	PDO
Poster 9	Design Meets Reality: Lessons from a Challenging Sulfur Transfer Line Between Refinery and Gas Plant	Inshan S Mohammed	SRE
Poster 10	Leveraging MonteCarlo Stochastic Models for Economic Justification of Process Instrumentation Upgrades – Case Study on Marjan Gas Compression Plant	Carlos Parra	Aramco

Day 3	Title	Presenter	Company
Poster 1	Integrated Approach to Maximize NGL Recovery Utilizing Process Modeling in Midstream Operations	Mohammad Almusaiter	Aramco
Poster 2	Investigations of elemental sulphur formation in gas processing plant	Ahmed Ali Al Muntheri	PDO
Poster 3	Transition of KNPC MAA Gas Plant Era	Ahmad Abdulla Ahmad Rashed	KNPC
Poster 4	Sulfur Recovery Unit Incinerators Fuel Optimization	Rakan Aldawood	Aramco
Poster 5	Digitalization of Gas Assurances Via Industrial Mobility	Ahmed Mohammed Saif Mahrouqi	PDO
Poster 6	Consumers Networks Digital Reporting Applications	Ahmad Dashti	KOC
Poster 7	Pyrolysis of natural gas for the production of lower-carbon hydrogen and carbonaceous materials	Omar Hurtado	Aramco
Poster 8	Bulk H ₂ S & CO ₂ Removal by H ₂ S Membrane Technology	Tanzim Choudhury	SLB
Poster 9	Sulfur Pellet Product Management and Quality Enhancement in Wet & Dry Sulfur Forming Units	Khalid S. Ghazal	SASREF
Poster 10	Energy efficiency - SRU fuel gas optimization Toward energy efficiency & decarbonization	Afra Al Dari	ADNOC Sour Gas



Gas
Conditioning
& Dewpoint
control



Workshop
Date & Time

27 – 28 April,
2025



Workshop
Duration

08:00 am
03:00 pm



Gas Sweetening
Processes and
Innovations



Workshop
Date & Time

27 – 28 April,
2025



Workshop
Duration

08:00 am
03:00 pm

03

04



Sulfur Recovery Technologies and Solutions



Workshop
Date & Time

27 – 28 April,
2025



Workshop
Duration

09:00 am
04:00 pm



Gas and NGL Dehydration



Workshop
Date & Time

27 – 28 April,
2025



Workshop
Duration

08:00 am
03:00 pm

05

06



Advance Filtration & Separation Applications



Workshop
Date & Time

27 – 28 April,
2025



Workshop
Duration

08:00 am
02:00 pm



Efficient and Reliable Operations in Gas Treatment and Thermal Management



Workshop
Date & Time

27 – 28 April,
2025



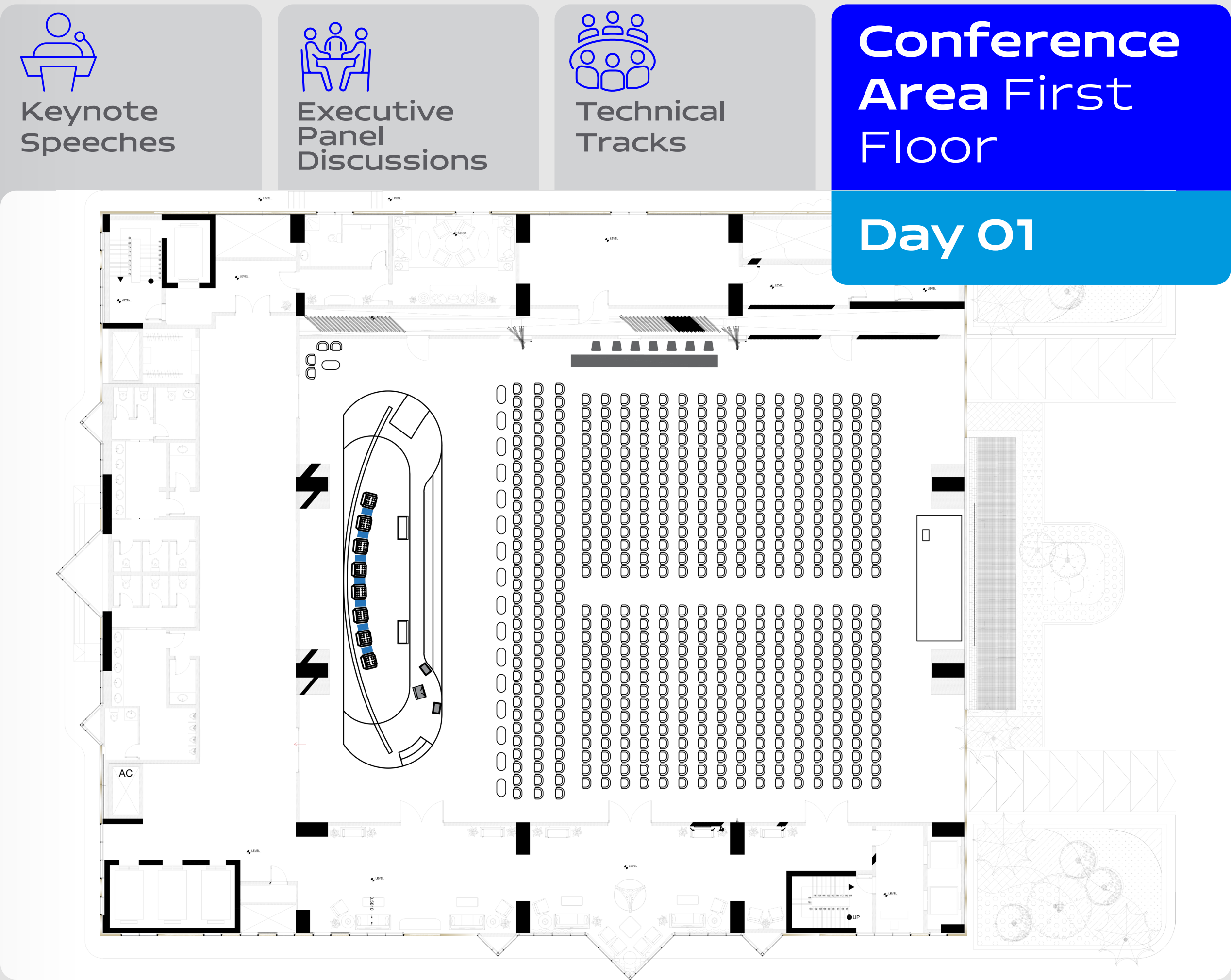
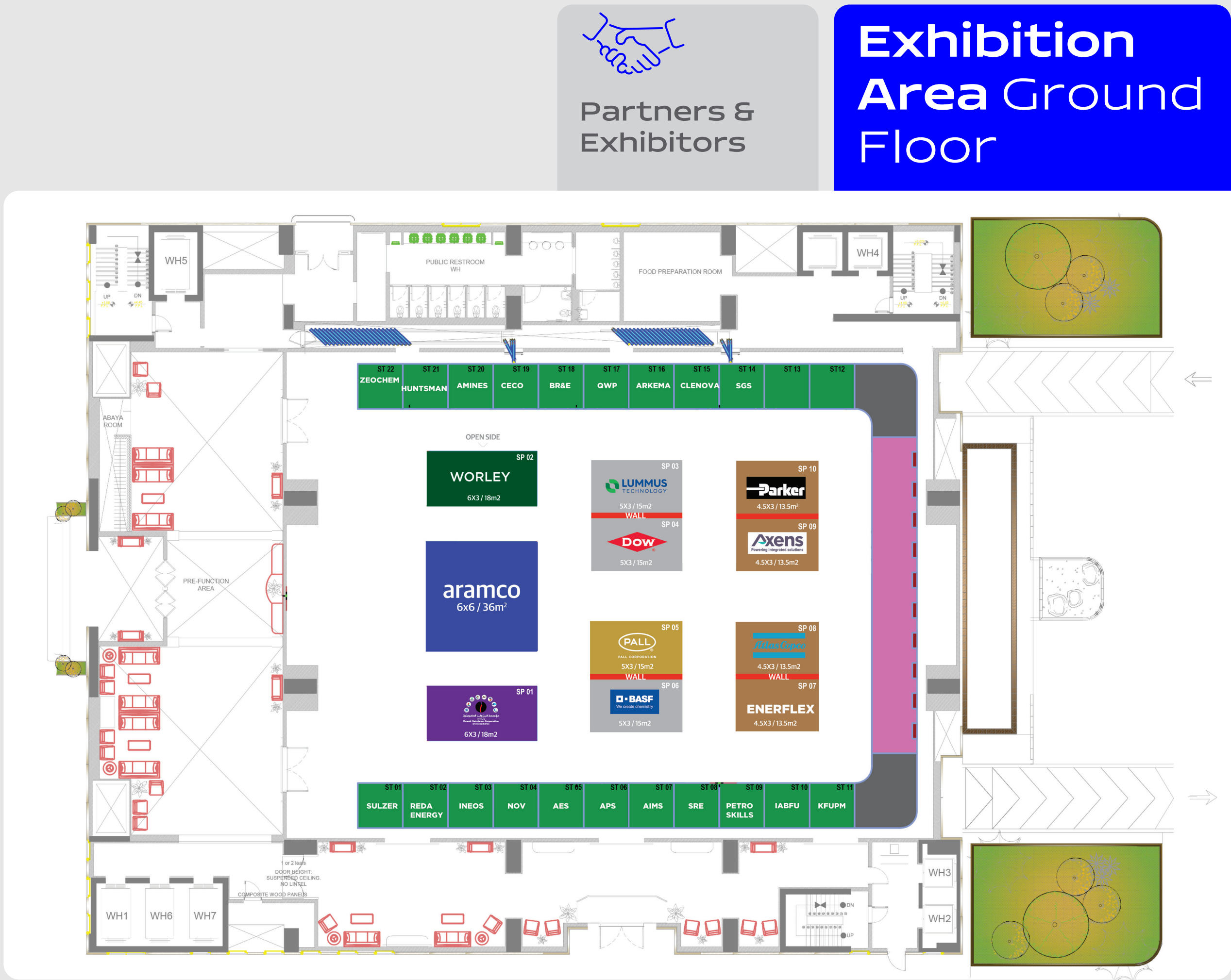
Workshop
Duration

08:00 am
03:00 pm



Visitor Experience

Location



The Venue

 April 29 to May 1, 2025

 Kempinski Al Othman Hotel, Al Khobar - KSA

