

19th QatarEnergy LNG Engineering Conference

23rd to 24th September 2025

Qatar National Convention Centre (QNCC) - Doha



Day 1 Agenda: 23rd September 2025 - Main Theatre (Al Mayassa)

- | | |
|---------------|---|
| 07:00 - 08:00 | Arrival and Registration - QNCC |
| 08:00 - 08:05 | Safety Briefing
QNCC Security |
| 08:05 - 08:10 | Opening Remarks
Chief Executive Officer – QatarEnergy LNG |
| 08:10 - 08:15 | Engineering Conference Journey |
| 08:15 – 08:25 | Welcome Note
Chief Engineering & Projects Officer – QatarEnergy LNG |
| 08:25- 08:30 | Group Photo |
| 08:30 - 09:30 | Management Panel Discussion
Expansion & Sustainability: Enabling QatarEnergy LNG's Future |
| 09:30 - 10:00 | COFFEE BREAK / Booths & Posters Exhibition |
| 10:40 - 11:40 | Technical Panel Discussion
Digitalization, Cyber Security & Artificial Intelligence (AI) |
| 11:40 - 13:00 | PRAYER / LUNCH BREAK (Conference Hall) |
| 13:00 - 14:00 | Technical Panel Discussion
Decarbonization Initiatives |



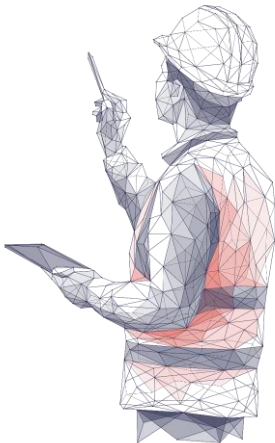
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Day 1 Panel Discussion Agenda: 23rd September 2025 Main Theatre (Al Mayassa)

Time	Topic	Moderator	Panelists
08:30 -09:30	Management Panel Discussion Expansion & Sustainability: Enabling QatarEnergy LNG's Future	Mehsin Al-Qadi	Ahmad Al-Mohannadi COO&SO Fahad Al-Khater COT&RO Nafez Bseiso CMPO
10:40 - 11:40	Technical Panel Discussion Digitalization, Cyber Security & Artificial Intelligence (AI)	Hamda Al-Naimi	Stefan Warendorff Shell Uvais Qidwai Qatar University Yassine Maache QatarEnergy LNG
13:00 - 14:00	Technical Panel Discussion Decarbonization Initiatives	Noora Al-Khalfan	Khalid Maherzi ExxonMobil Mohsin Raja QatarEnergy LNG Stephane - Bellay TotalEnergies



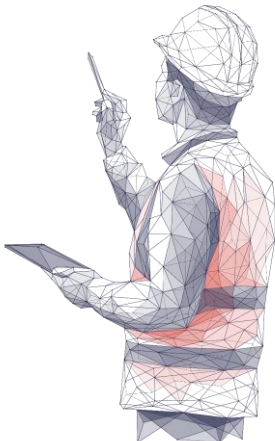
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Day 1 Technical Presentations: 23rd September 2025

Time	Conference Agenda			
Room No	Meeting Room 103	Meeting Room 104	Meeting Room 105	Meeting Room 106
Topic	Digitalization, Cyber Security & Artificial Intelligence (AI)	Decarbonization Initiatives	Aging Production Facilities & Asset Life Extension	Energy Efficiency & Yield Improvement
10:00 - 10:30	Collaborative Development of In-house Predictive Emission Monitoring Systems (PEMS) for QatarEnergy LNG: A Pilot Study on Boilers and Turbines Julius Bacani QatarEnergy LNG	Closed Flare Retrofit Industrialization Simon Wherity TotalEnergies	A Structured Approach to Asset Life Extension: Ensuring Safety and Asset Integrity in Qatar's Energy Sector Mohammed Al-Rasheed QatarEnergy	From Inspiration to Integration: Synergizing Conventional and Unconventional Reservoir Completion Technologies for Maximized Field Development Junjing Zhang ConocoPhillips
10:40 - 11:10		Disruptive Decarbonization through Lower Carbon Aviation Fuel (LCAF) and Industrial CO ₂ Recycling Abdulkarem Amhamed Hamad Bin Khalifa University	Residual Gas Compressor High Tonal Noise and Vibration Case Study Rashid Al-Mohannadi QatarEnergy LNG	Redesign of Demethanizer Internals Enables Stable Rym Kaness ExxonMobil & QatarEnergy LNG
11:20 - 11:50		Delivering Process Safety Performance through Barrier Management Vipul Khosla QatarEnergy LNG	QAFCO Long-Term Replacement Plan Giuseppe Franceschini QAFCO	Maximizing Borehole Image Data to Enhance Completion Strategy Ekky Mahardhika North Oil Company
11:50 - 13:00	PRAYER / LUNCH BREAK			
13:00 - 13:30	Smart Methane Detection: Leveraging IoT, AI, and Drone Technology for Sustainable LNG Operations in Qatar Mohammed Al-Ani Qatar University		Investigation of Minimum Stable Rate and its Implications in Gas-Condensate Wells Rahul Puranik QatarEnergy LNG	HySWEET™ Hybrid Solvent for Mercaptan and Acid Gas Removal for Natural Gas Processing Renaud Cadours TotalEnergies
13:40 - 14:10	Harnessing AI Agents: Revolutionizing Reservoir Characterization and Optimization in Natural Gas Fields Ahmad Abushaikhah Hamad Bin Khalifa University		Resource Optimization on the Legacy DCS Controllers to Achieve Asset Life Extension Selvarasu Guhan QCHEM	Energy Efficiency Strategies for Lowering Natural Gas Consumption in Rolling Mill Reheating Furnaces Ahmed Khafagi Qatar Steel
14:20 - 14:50	Using Virtual Assembly to Dramatically Shorten Shutdown Maintenance Durations Jason Judice ExxonMobil	Decarbonizing Petrochemical Plants: The Role of Heat Recovery Steam Generators in Energy Efficiency and Emission Reduction Yousef Rabeeh QAFCO	Beyond limits: High Pressure Wrapping for Oversized Pipe Rohitash Panwar QatarEnergy LNG	Optimization Driven Approaches to Energy Conservation in Refrigeration System Design Maryam Al-Kaabi QatarEnergy



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Day 1 Posters: 23rd September 2025

Screen Number	Title	Company
1	Advancing Integrity, Reliability, and Process Safety in Drilling & Completions Through a Robust Risk Management Framework	QatarEnergy LNG
2	Optimization of Offshore Gas Processing Facilities Operation for Enhanced Reliability and Cost Efficiency	QatarEnergy
3	Cable Integrity Program	QatarEnergy LNG
4	Game Changer Power Management Upgrade - DP2 Offshore Platform Supply Vessel Decarbonisation	Qatar Shell
5	Enhancing Sulfur Recovery Unit Capacity for Increased Acid Gas Load in South Mega Trains	QatarEnergy LNG
6	Wellhead Seal (SRL) Failure Investigation	Shell
7	Groundwater Study (Best Practices & Learnings)	QatarEnergy LNG
8	Three-Dimensional Reservoir Geomechanical Study for Water Injection Operating Envelope – Giant Offshore Oil Field Qatar	North Oil Company
9	Integrated Approach for Troubleshooting Flame Arrestor Frequent Chocking	QatarEnergy LNG
10	Flange Management	QChem
11	New Spinner Design for Robust Production Logging in High-Rate Gas Wells	QatarEnergy LNG
12	AI-Powered QAFCO Operational Excellence Framework: Transforming Business Processes for Enhanced Productivity	QAFCO
13	Principles of Golden Weld Joints	QatarEnergy LNG
14	Numerical Investigation of the Potential of Using Hydrogen as an Alternative Fuel in an Industrial Burner	Qatar University
15	Stewarding the NFPS Integrated Schedule: Challenges and Opportunities	QatarEnergy LNG
16	Techno-economic and Life Cycle Evaluations of the Recovery of Magnesium and Calcium from Oil Field Produced Water	Qatar University
17	The Role of Reservoir Modelling in Cost Optimization of BrownField Projects	QatarEnergy LNG
18	Ship Design Adaptations for LNG propulsion, Carbon Capture Utilization, and Hybrid Technologies	Hamad Bin Khalifa University
19	Wells Stimulation Strategy and Evaluation	QatarEnergy LNG
20	Organic-Inorganic Hybrid Assemblies for Enhanced Photocatalytic Water Splitting	Texas A&M University - Qatar

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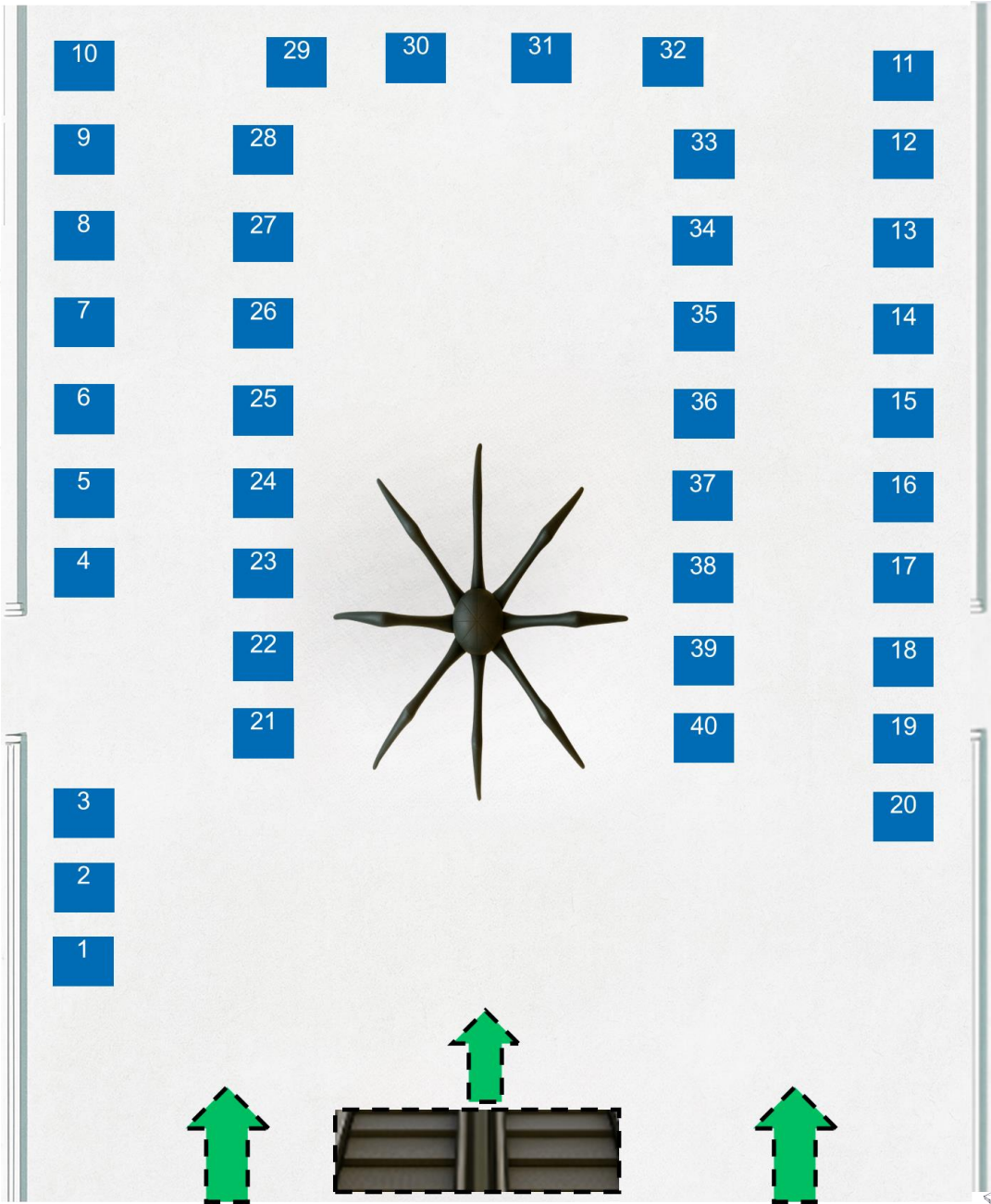
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Day 1 Posters: 23rd September 2025

Screen Number	Title	Company
21	Fracture Control in CO2 Pipelines: Criteria for preventing brittle and ductile failures in dense-phase transport	QatarEnergy
22	Batch PST SIMOPs	QatarEnergy LNG
23	An Overview of ExxonMobil's Production Optimization Best Practices (PNG Case Study)	ExxonMobil
24	Enhanced Hybrid Integrity Strategies for Aging Process Piping Dead Legs Management Post Feed Gas Souring	QatarEnergy LNG
25	Robotics for Molesieve and Mercury Bed Change-Out	Qatar Shell
26	Fixed Equipment Mechanical Integrity between Statistics and Coverage	QatarEnergy LNG
27	Optimised Reserves Methodology for a Complex Offshore Mature Field	North Oil Company
28	Instantaneous Flammable And Toxic Release Consequence Modelling Rectification in API RP 581 4th Ed. 2025	QatarEnergy LNG
29	Value of Smart Completions for Reservoir Management in an Extremely Complex Carbonate Reservoir – Offshore Oil Field Qatar	North Oil Company
30	Long-Term Stability of Calibration Gases in Qatar's Ambient Heat Conditions	QatarEnergy LNG
31	Thermal Spray Cladding for Mitigation of Caustic Stress Corrosion Cracking	QChem
32	Synthetic Flame Detection (SFD) for Heavy Duty Gas turbines (HDGTs)	QatarEnergy LNG
33	Plastics Recycling Initiatives: Mitigating the Plastic Waste Issue through Product Development and Innovation	QAPCO
34	Qualification and Evaluation of 10 ¾" Casing Hanger Single Trip Running Tool	QatarEnergy LNG
35	Sustainable Innovation in Used Lubricating Oil (ULO) Conversion to Biofuel	Qatar University
36	Strengthening Subsurface Data Through Effective Data Governance	QatarEnergy LNG
37	Diagnosis of a Leaky Underwater Pipeline Carrying Multiphase Flow for Multiphase Flow Conditions: A Study with Statistical and Machine Learning Approaches	Hamad Bin Khalifa University
38	Well Design Evolution in North Field	QatarEnergy LNG
39	HP40Nb Reformer Tube Exposed to 950°C – Machine Learning Informed Microstructure Evolution and Multi-scale Mechanical Properties	Texas A&M University - Qatar
40	Wired Drill Pipe potential to Digitalize Well Construction	QatarEnergy LNG

Posters Map: Central Foyer



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Screen number reference



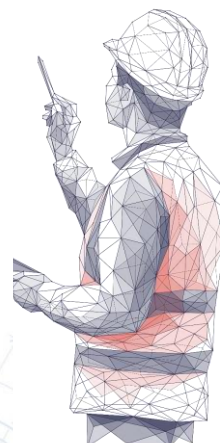
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Exhibitors



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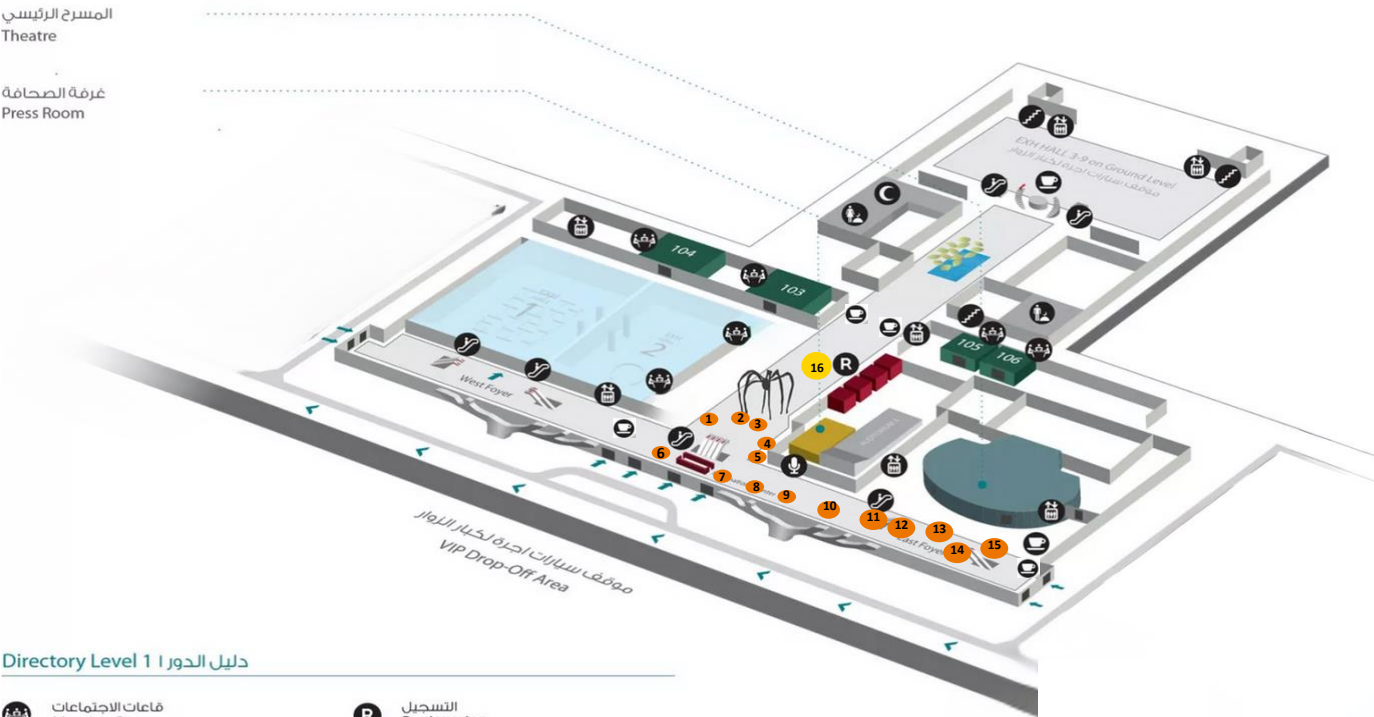


Venue Map (Level 1)

مركز قطر الوطني للمؤتمرات
Qatar National Convention Centre

المسرح الرئيسي
Theatre

غرفة الصحافة
Press Room



Directory Level 1 | دليل الدور

- Meeting Rooms
- Elevators
- Stairs
- Escalators
- Cafe
- Underground walkway to car park
- Bus drop-off point
- Baggage drop-off
- Registration
- Box Office
- Male Prayer Room
- Female Prayer Room
- Press Room + Business Centre Lounge
- Medical Centre

Exhibitors Booths

- 1 QATARENERGY LNG
- 2 EXXONMOBIL
- 3 TOTALENERGIES
- 4 CONOCOPHLLIPS
- 5 BAKER HUGHES
- 6 SCHNEIDER ELECTRIC
- 7 EMERSON
- 8 UNIVERSITY OF DOHA FOR SCIENCE AND TECHNOLOGY
- 9 QATAR UNIVERSITY
- 10 SLB
- 11 HONEYWELL
- 12 HALLIBURTON
- 13 INNOMOTICS
- 14 STATS GROUP
- 15 ABB
- 16 POSTER EXHIBIT

Meeting Rooms

- Meeting Room 103
- Meeting Room 104
- Meeting Room 105
- Meeting Room 106

