TECHNICAL CONFERENCE

PART OF EGYPT ENERGY SHOW

SUPPORTED BY

30 MARCH – 1 APRIL 2027

EGYPT INTERNATIONAL EXHIBITION CENTER, CAIRO

DRIVING OPERATIONAL EXCELLENCE ACROSS THE ENERGY VALUE CHAIN

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Connecting Global Energy

As global energy markets become increasingly interconnected, Egypt's role is evolving with them. Positioned at the crossroads of global energy flows, Egypt connects resources, infrastructure, investment and demand, creating a strategic link between global priorities and regional opportunity.

Markets are shifting.
Capital is moving.
Energy security is being redrawn.
New technologies are changing the economics of what comes next.

The future belongs to those who connect the opportunity because Africa's energy is a global opportunity.



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Enabling the Conversations Behind the Next Energy Decisions

As global energy navigates geopolitical realignment, infrastructure vulnerabilities and renewed competition for capital, the need for resilient markets, secure supply and long-term investment has never been more critical. At the heart of Egypt's global energy platform, the Egypt Energy Show 2027 Conferences bring the global energy leaders to Cairo to examine the decisions shaping what comes next.

Across 90 high-level sessions led by 400 global energy speakers, the multi-track Strategic and Technical Conferences span Ministerial, Secretary General and CEO dialogue through to specialist technical deep dives, giving delegates a comprehensive view of the opportunities and innovations set to define the decade ahead.

STRATEGIC CONFERENCE

TECHNICAL CONFERENCE

2,500
Conference Delegates

15
Ministers

400
Global Speakers

6
Roundtables

90
High-Level Sessions

2
Energy Conferences



"Egypt Energy Show 2027 represents an important opportunity to showcase Egypt as a stable and attractive investment destination while strengthening regional and international partnerships across the energy sector."

HE Eng Karim Badawi
Minister of Petroleum and Mineral Resources
Arab Republic of Egypt

Driving Operational Excellence Across the Energy Value Chain

The Technical Conference brings together engineers, geoscientists, operational specialists and technology leaders to explore practical solutions advancing operational efficiency, technical excellence and infrastructure performance. Focused on real-world application and measurable outcomes, the programme showcases peer-reviewed research, engineering case studies and operational best practices supporting secure, affordable and sustainable energy systems.

Core Programme Experiences

- Downstream: Refining Technology, Operations & Marketing (REF)
- Downstream: Petrochemicals Technology & Operations (PET)
- Upstream: Exploration of Conventional Resources (CONV)
- Upstream: Exploration of Unconventional Resources (UNCONV)
- Gas/LNG Processing, Operations & Technology (GAS)
- Midstream: Infrastructure, Transportation & Storage (MID)
- Offshore and Subsea Production, Operations & Technology (OS)
- Decarbonisation, Energy Transition & Energy Efficiency (DTE)
- Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT)
- Renewable Energy (RE)
- Environmental Sustainability & Climate Change (ESC)
- Energy Economics, Governance, Agreements & Finance (EGAF)
- AI & Digital Era (AIDE) — NEW
- Health & Safety (HS)
- Project Management & Execution (PM)
- Operational Excellence (OEX)
- People & Talent Development (PPL)
- Geoscience (GEO)
- Oil & Gas Field Development (FD)
- Drilling (DR) — NEW
- Completions & Well Engineering (COMPL) — NEW
- Asset Integrity & Corrosion Management (AICM) — NEW

Session Preview

	TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	ROOM 6
TUESDAY 30 MARCH 2027	14:30 - 16:00	SESSION 1 CATEGORY: OEX Optimising asset performance: production, reliability and integrity	SESSION 2 CATEGORY: DR Optimising operations and drilling performance	SESSION 3 CATEGORY: DTE Innovative low-carbon technologies	SESSION 4 CATEGORY: MID Resilient midstream: safety, materials and digital innovations	SESSION 5 CATEGORY: PET Petrochemical circularity and decarbonisation	SESSION 6 CATEGORY: UNCONV Unconventional resource evaluation strategies
	16:00 - 17:30	SESSION 7 CATEGORY: OEX AI and digital transformation for operational excellence	SESSION 8 CATEGORY: DR Smart drilling technologies and automation	SESSION 9 CATEGORY: DTE Energy transition finance and strategic execution	SESSION 10 CATEGORY: MID Smart midstream: storage, sensing and digital infrastructure	SESSION 11 CATEGORY: PET Successful petrochemical business models and technology applications	SESSION 12 CATEGORY: UNCONV Unlocking unconventional gas potential through reservoir technologies
WEDNESDAY 31 MARCH 2027	10:00 - 11:30	SESSION 13 CATEGORY: OEX Cost optimisation: case studies and innovations	SESSION 14 CATEGORY: COMPL Advanced applications for well intervention and integrity solutions	SESSION 15 CATEGORY: DTE Transformative pathways in CCS and CCUS	SESSION 16 CATEGORY: ESC ESG, sustainable and responsible energy pathways	SESSION 17 CATEGORY: GAS Gas system efficiency solutions	SESSION 18 CATEGORY: HS HSE operational excellence
	11:30 - 13:00	SESSION 19 CATEGORY: AICM Transforming asset integrity: inspection and corrosion management	SESSION 20 CATEGORY: COMPL Best practices for well productivity: stimulation, logging and optimisation	SESSION 21 CATEGORY: DTE Energy efficiency and optimisation: case studies	SESSION 22 CATEGORY: ESC Circular economy and resources recovery	SESSION 23 CATEGORY: GAS Advances in gas processing and treatments	SESSION 24 CATEGORY: HS AI and PSM implementation in HSE
	14:00 - 15:30	SESSION 25 CATEGORY: AIDE Predictive maintenance and optimisation applications	SESSION 26 CATEGORY: ALT Unlocking alternative low-carbon energy	SESSION 27 CATEGORY: DTE Methane emissions abatement and management	SESSION 28 CATEGORY: ESC Pollution monitoring and emissions management	SESSION 29 CATEGORY: CONV Unlocking frontier and exploration potential	SESSION 30 CATEGORY: EGAF Strategic frameworks for energy investments
	15:30 - 17:00	SESSION 31 CATEGORY: AIDE Advanced AI applications for energy management	SESSION 32 CATEGORY: ALT Biofuels: production to deployment	SESSION 33 CATEGORY: RE Integrating renewables and storage solutions	SESSION 34 CATEGORY: REF Optimising refinery technology and innovation	SESSION 35 CATEGORY: CONV Reservoir characterisation and integrated EOR methods	SESSION 36 CATEGORY: EGAF Optimising markets: pricing and commerciality
THURSDAY 1 APRIL 2027	10:00 - 11:30	SESSION 37 CATEGORY: AIDE Efficiency driven digital twin framework	SESSION 38 CATEGORY: ALT Hydrogen production scale-up strategies	SESSION 39 CATEGORY: RE Innovative geothermal energy and Power-to-X approaches	SESSION 40 CATEGORY: REF Refinery economics: closing the cost vs profitability gap	SESSION 41 CATEGORY: OS Offshore infrastructure development	SESSION 42 CATEGORY: GEO Advances in seismic technologies and reservoir modeling
	11:30 - 13:00	SESSION 43 CATEGORY: AIDE Driving digital transformation solutions with AI	SESSION 44 CATEGORY: FD Unlocking field potential through planning and development	SESSION 45 CATEGORY: RE Solar advances	SESSION 46 CATEGORY: PPL Next-Gen leadership and development strategies	SESSION 47 CATEGORY: PM Successful project management: contracts and execution	SESSION 48 CATEGORY: GEO Digitalisation in sub-surface exploration
	14:00 - 15:30	SESSION 49 CATEGORY: AIDE Developmets in advanced analytics and autonomous operations	SESSION 50 CATEGORY: FD Production optimisation and performance enhancement	SESSION 51 CATEGORY: RE Optimising wind and wave power	SESSION 52 CATEGORY: PPL Building a high-performing and inclusive workforce	SESSION 53 CATEGORY: PM Project efficiency through AI integration and risk assessment	SESSION 54 CATEGORY: OS Transforming offshore operations

Egypt Energy Show
Venue Map

Expanding across four exhibition halls, the Egypt Energy Show 2027 brings the exhibition, conferences, Innovation & AI Hub and executive networking environments into one connected platform, creating greater capacity for companies, country pavilions, buyers and energy leaders.

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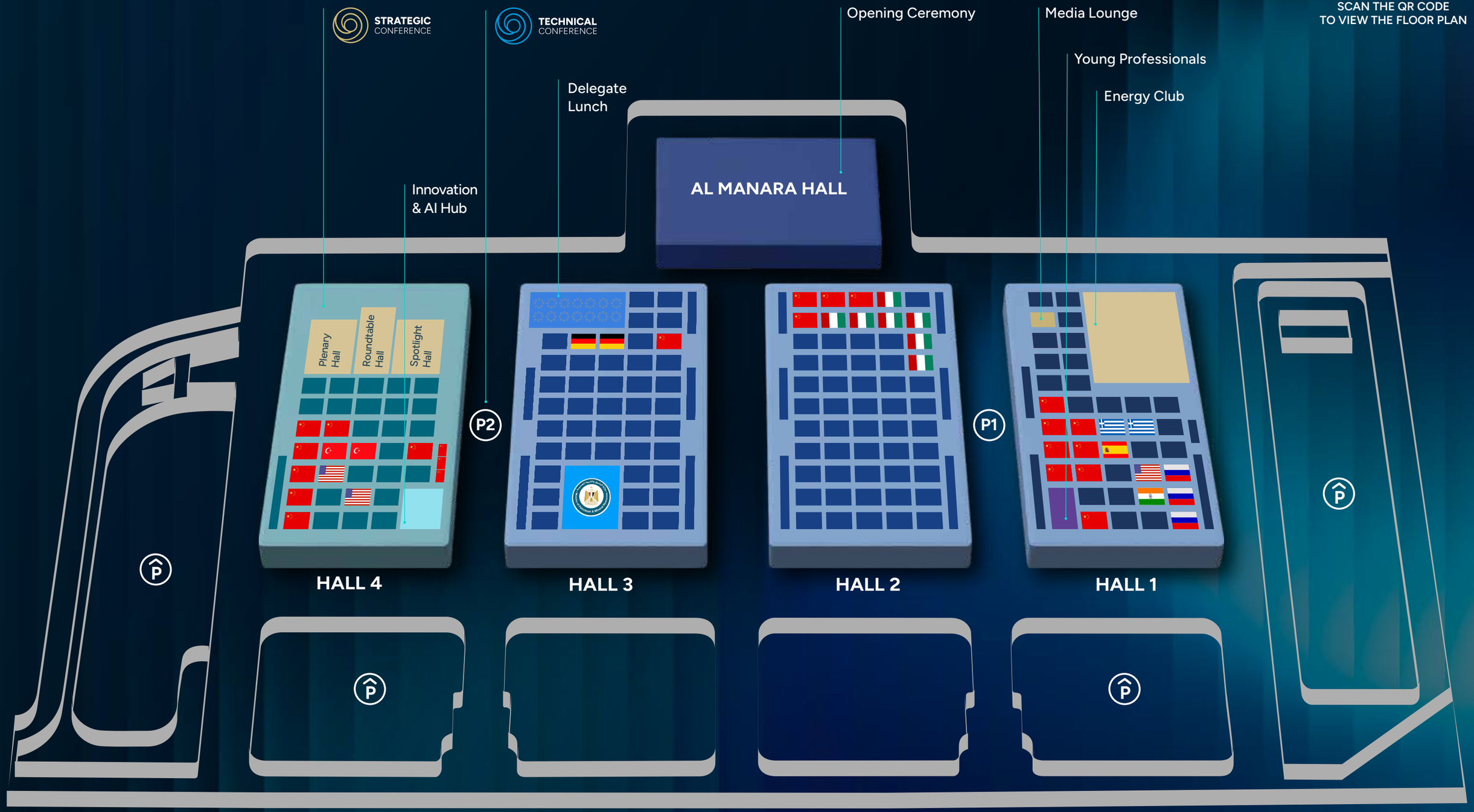
TO VIEW THE FLOOR PLAN



TUESDAY 30 MARCH 2027

CATEGORY: OPERATIONAL EXCELLENCE (OEX)

SESSION: 1

TITLE: OPTIMISING ASSET PERFORMANCE: PRODUCTION, RELIABILITY AND INTEGRITY

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 Maximising offshore mature wells production via acid blend optimisation: field-proven results in Gulf of Suez
Mohamed Abdulmageed, Lead Petroleum Engineer, Gulf of Suez Petroleum Company (GUPCO)

14:50-15:10 Digitally enabled asset life extension: an integrated RCM and predictive analytics framework for reliability improvement
Emad Elashry, Assistant General Manager, Technical Office, Alexandria National Refining & Petrochemicals Co. (ANRPC)

15:10-15:30 Designing for longevity: how automated rod lift design is reducing OpEx and CapEx while increasing production
Abu Elfotouh, Artificial Lift Technical Sales Manager, Lufkin

TUESDAY 30 MARCH 2027

CATEGORY: DRILLING (DR)

SESSION: 2

TITLE: OPTIMISING OPERATIONS AND DRILLING PERFORMANCE

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 First drill-in with liner validation in the Middle East utilising expandable liner hanger system – Western Desert in Egypt
Aya Khatam, Technical Professional, Halliburton

14:50-15:10 Integrated well design optimisation and coordinated drilling–workover execution in a mature offshore field: delivering a development well 24% faster and 25% below budget—the GNN field success story
Islam Abdelkader, Drilling Superintendent, Cheiron Energy

15:10-15:30 An integrated engineering approach to continuous improvement of top-hole drilling performance in unconventional drilling projects
Muhammad Zubair Fayyaz, Senior Field Engineer, TAQA Well Solutions

TUESDAY 30 MARCH 2027

CATEGORY: DECARBONISATION, ENERGY TRANSITION & ENERGY EFFICIENCY (DTE)

SESSION: 3

TITLE: INNOVATIVE LOW-CARBON TECHNOLOGIES

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 Decarbonising industrial boilers through hydrogen integration – environmental and economic insights from Egypt
Mohamed Mamdouh, HSE Department Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

14:50-15:10 Decarbonising existing coal fleets through biomass co-firing: a socioeconomic, technical and policy assessment of solid fuel blending at India's largest power utility
Mayank Lavania, Senior Manager, NTPC Limited

15:10-15:30 Hydrogen-powered combined-cycle gas turbine system for energy sector decarbonisation
Chikkanna Gowda, Senior Engineer, Baker Hughes

15:30-15:50 Agriwaste to energy pathways potential for Egypt
Abd El Hamid Sherief, Sustainable Development, Green Tech Researcher, The American University in Cairo

TUESDAY 30 MARCH 2027

CATEGORY: MIDSTREAM: INFRASTRUCTURE, TRANSPORTATION & STORAGE (MID)

SESSION: 4

TITLE: RESILIENT MIDSTREAM: SAFETY, MATERIALS & DIGITAL INNOVATIONS

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 Defensive design of oil storage facilities and pipelines to counter the effects of war
Mohamed Hassan Badawy, Assistant General Manager, Egyptian Projects Operation and Maintenance (EPROM)

14:50-15:10 Leveraging digital technologies to improve pipeline safety, reliability, and operational performance
Vishal Aery, Global Business Manager, BGR Tech

15:10-15:30 Rapid recovery using magnetic surveying in subsea pipeline operations
Lee Galloway, Senior Technical Sales Engineer, IK Trax

TUESDAY 30 MARCH 2027

CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY & OPERATIONS (PET)

SESSION: 5

TITLE: PETROCHEMICAL CIRCULARITY AND DECARBONISATION

LOCATION: ROOM 5

CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)

SESSION: 6

TITLE: UNCONVENTIONAL RESOURCE EVALUATION STRATEGIES

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

14:30-14:50 Application of solar energy in oil and gas production, for a promising future together
Dianne Rampadarath, Director, Contracting and General Services Provider

14:50-15:10 Catalytic upgrading of plastic waste pyrolysis oil to cracker ready feedstock
Ahmed El-sharnouby, Energy Efficiency & Sustainability Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

15:10-15:30 Circular HDPE grades for petrochemical producers: virgin/recycled HDPE blending for feedstock optimisation and sustainable product development
Ahmed AbdelGhaffar Sabry, Technical Studies Sector Manager, Sidi Kerir Petrochemicals Company (SIDPEC)

15:30-15:50 Economic and environmental assessment of PLA deployment in petrochemical packaging applications
Marwa Makarem, General Manager, Heliopolis Chemical Industries Company

14:30-14:50 Detection and characterisation of fractures in the Eocene Thebes Formation using conventional well logs in October Field, Gulf of Suez, Egypt
Mohamed Gamal, Senior Petrophysicist, EUG-MOP

14:50-15:10 From source rock to sweet spot: characterising and de-risking the Shilaif tight carbonate play
Rahul Choudhary, Vice President, Upstream Research, Rystad Energy

15:10-15:30 Integrated subsurface strategy drives successful tight gas development in Egypt's Western Desert
Mohamed El-Bagoury, Geoscience Advisor, Badr El-Din Petroleum Company (BAPETCO)

TUESDAY 30 MARCH 2027

CATEGORY: OPERATIONAL EXCELLENCE (OEX)

SESSION: 7

TITLE: AI AND DIGITAL TRANSFORMATION FOR OPERATIONAL EXCELLENCE

LOCATION: ROOM 1

CATEGORY: DRILLING (DR)

SESSION: 8

TITLE: SMART DRILLING TECHNOLOGIES AND AUTOMATION

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 Real-time hydrate risk monitoring using physics-informed machine learning for offshore gas production
Kostas Poursanidis, Regional Manager, EMED, Pontem Analytics

16:20-16:40 Pressure View: a field-scale digital transformation workflow for automated multi-well pressure interpretation and fluid-contact surveillance
Mohamed El-Sersy, Senior Reservoir Engineer, Vaalco Energy

16:40-17:00 Next-Generation control room intelligence: an AI-driven knowledge hub for operation support and autonomous plant operations
Islam Hassan, Automation Systems Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

17:00-17:20 Driving operational excellence in city gas distribution: journey through digitalisation, asset reliability and performance optimisation
Ravi Kant Arya, Corporate General Manager, Indraprastha Gas

16:00-16:20 From trial to standard: revolutionising MWD reliability and well delivery performance in unconventional wells using battery-powered MWD technology
Kamel Albellihy, Senior Drilling Engineer, ADNOC Onshore

16:20-16:40 Engineering and bottom-hole assembly design considerations to reduce operational risk when planning whipstock sidetracks
David Humberto Munoz Monsalve, Regional Solutions Engineer Manager, Halliburton

16:40-17:00 Intelligent automated surface pressure management in unconventional drilling: field evidence of ROP improvement, connection time reduction and enhanced process safety
Alaa Epead, Business Development & Sales Manager, MENA, The E3 Company

17:00-17:20 Real-time formation evaluation without wireline logs: a machine learning approach using drilling parameters, case study
Ahmed Meneassy, Technical Sales Engineer, GeoEnergy Group

TUESDAY 30 MARCH 2027

CATEGORY: DECARBONISATION, ENERGY TRANSITION & ENERGY EFFICIENCY (DTE)

SESSION: 9

TITLE: ENERGY TRANSITION FINANCE AND STRATEGIC EXECUTION

LOCATION: ROOM 3

CATEGORY: MIDSTREAM: INFRASTRUCTURE, TRANSPORTATION & STORAGE (MID)

SESSION: 10

TITLE: SMART MIDSTREAM: STORAGE, SENSING & DIGITAL INFRASTRUCTURE

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 Financing the energy transition in oil and gas-producing economies: a triangulated econometric, Bayesian network and energy transition risk-measuring framework with application to Egypt
Mohamed Ibrahim, Process Engineer, The Egyptian Ethylene and Derivatives Co. (ETHYDCO)

16:20-16:40 From default value to verified advantage: a CBAM verification-readiness framework for Egyptian DRI-EAF hot-rolled coil exports
Youssef Moussa, Environmental Researcher, Dcarbon

16:40-17:00 Cheaper than fossil fuels: building a profitable business case for Egypt's net-zero transition
Nivedh Das Thaikoottathil, Senior Market Analyst, Renewables & Power, Rystad Energy

16:00-16:20 Securing Egypt's gas supply chain: a strategic and technical feasibility assessment of underground gas storage in salt caverns case study
Khaled Khallaf, Technical Planning General Manager, Egyptian Gas Regulatory Authority (GASREG)

16:20-16:40 Transforming conventional energy terminals into AI-driven smart infrastructure: the Smart Energy Terminal Transformation Framework (SETTF) for energy security and multi-energy readiness – a case study
Mohamed Elshafeiy, Laboratory & Quality Control Assistant General Manager, Western Desert Operating Petroleum Co. (WEPCO)

TUESDAY 30 MARCH 2027

CATEGORY: DOWNSTREAM: PETROCHEMICALS TECHNOLOGY & OPERATIONS (PET)

SESSION: 11

TITLE: SUCCESSFUL PETROCHEMICAL BUSINESS MODELS AND TECHNOLOGY APPLICATIONS

LOCATION: ROOM 5

CATEGORY: UPSTREAM: EXPLORATION OF UNCONVENTIONAL RESOURCES (UNCONV)

SESSION: 12

TITLE: UNLOCKING UNCONVENTIONAL GAS POTENTIAL THROUGH RESERVOIR TECHNOLOGIES

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

16:00-16:20 PolyGradeX: a cloud-native, AI-powered web application for holistic polymer production scheduling and advanced plant floor integration
Aurelio Ferrucci, Executive Vice President, Prometheus

16:20-16:40 Polyethylene wax – synthesis, characterisation and industrial applications
Mohamed Elnemr, Head of Department, Sidi Kerir Petrochemicals Company (SIDPEC)

16:40-17:00 From barrels to value chains: a hybrid integration framework for reinventing petrochemical business models in emerging energy economies
Omar Abdullazez, Engineering Assistant Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

17:00-17:20 Maximising uptime in aromatics processing units with SROMM and physics-based AI
Andrey Kostyukov, President & CEO, Dynamics Scientific

16:00-16:20 An integrated petrophysical and geochemical framework for shale gas evaluation in the Western Desert, Egypt
Tharwat Hassane, Operations General Manager, Sahara Oil and Gas

16:20-16:40 Unlocking hidden reservoir potential using a core-calibrated borehole image methodology for accurate reserve estimation and field development
Mohamed Hanafy, Geological Operations Assistant General Manager, Al Amal Petroleum Company (Amapetco)

16:40-17:00 Surface facility readiness for enhanced gas recovery: equipment design considerations for unconventional gas fields
Ahmed Ragab, General Manager, Asterix Egypt

17:00-17:20 Achieving gas-tight zonal isolation under extreme HPHT conditions and narrow ECD margins through a heavy-weight cement system
Zied Gargouri, Technical Manager, Energy Consulting Services

WEDNESDAY 31 MARCH 2027

CATEGORY: OPERATIONAL EXCELLENCE (OEX)

SESSION: 13

TITLE: COST OPTIMISATION: CASE STUDIES AND INNOVATIONS

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Reducing rig costs through pre-assembly of ESP components: successful field implementation of pre-service unit in Caño Limón Field, Colombia
Ivan Ariza, ALS Field Coordinator, Baker Hughes

10:20-10:40 Cost optimisation through physics-based AI diagnostics: maximising asset availability and reducing maintenance costs
Vladyslav Tsyplakov, Business Development Manager, Dynamics Scientific

CATEGORY: COMPLETIONS & WELL ENGINEERING (COMPL)

SESSION: 14

TITLE: ADVANCED APPLICATIONS FOR WELL INTERVENTION AND INTEGRITY SOLUTIONS

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Single-trip isolated cylinder liner hanger system with single-trip full-bore running tool and inflow test packer
Ahmad Alhammali, Technical Writer, Packers Plus

10:20-10:40 Engineering eternal barriers: a critical review of bismuth alloy physics, creep behaviour and P&A operational risks
Mohammad Eltrissi, PhD Researcher, Norwegian University of Science and Technology (NTNU)

10:40-11:00 Significant growth in future global well integration activities focused on Middle East and Europe
Aditya Saraswat, Partner, Head of EMEA Oil & Gas Research, Rystad Energy

WEDNESDAY 31 MARCH 2027

CATEGORY: DECARBONISATION, ENERGY TRANSITION & ENERGY EFFICIENCY (DTE)

SESSION: 15

TITLE: TRANSFORMATIVE PATHWAYS IN CCS AND CCUS

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 The technical and strategic architecture of MENA NOC decarbonisation: coupling sub-10 kg CO_2e per boe upstream operations with a gigatonne-scale CCUS hydrogen backbone
Divya Meena, Junior Analyst, Rystad Energy

10:20-10:40 Evaluation of iron-based chemical looping oxidation for CO_2 isolation from refinery residues, petroleum coke, and off-gases at Middle East refining scale
Wassim Moussaoui, Managing Director, Babcock & Wilcox

10:40-11:00 FCC regenerator carbon capture retrofit screening for brownfield refinery decarbonisation
Mohamed Abdelfatah Ghonema, Technical Services General Manager, Egyptian Projects Operation and Maintenance (EPROM)

CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 16

TITLE: ESG, SUSTAINABLE AND RESPONSIBLE ENERGY PATHWAYS

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 From reported intensity to operational insight: a boundary-aware framework for environmental management in MENA oil and gas operations
Ali Zaki, Industrial Sustainability Manager, Dcarbon

10:20-10:40 Beyond carbon: engineering measurable social and governance intelligence for the grid of the future
Anand Mayank, Manager, Power Grid Corporation of India

10:40-11:00 Watershed integrated – climate change mitigation and adaptation programme
Rangaraj Mageswaran, Technical Account, Baker Hughes

11:00-11:20 Protecting energy assets from climate risk: a green-grey appraisal and financing framework for emerging markets
Leonardo Porta, Consultant, RINA

WEDNESDAY 31 MARCH 2027

CATEGORY: GAS/LNG PROCESSING, OPERATIONS & TECHNOLOGY (GAS)

SESSION: 17

TITLE: GAS SYSTEM EFFICIENCY SOLUTIONS

LOCATION: ROOM 5

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Diagnosing and eliminating routine flaring: a physics-constrained reading of flaring signatures coupled to an infrastructure-gated framework for associated-gas capture
Rahul Choudhary, Vice President, Upstream Research, Rystad Energy

10:20-10:40 Stop burning, start earning: practical solutions to end gas flaring in Egyptian offshore fields
Amr AbuMady, Process Department Assistant General Manager, Egyptian Projects Operation and Maintenance (EPROM)

10:40-11:00 Controlling transient hydrogen sulphide emissions from sour water storage facility through heat integration
Shailesh Kshirsagar, Engineering Manager, Wood Group

11:00-11:20 Monetising scattered associated gas from petroleum wells using LNG, CNG, and ANG technologies: an integrated technical and economic assessment
Mohamed Al Naggar, Assistant, First Undersecretary of HSE, Energy Efficiency & Climate, Ministry of Petroleum and Mineral Resources

CATEGORY: HEALTH & SAFETY (HS)

SESSION: 18

TITLE: HSE OPERATIONAL EXCELLENCE

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Human readiness as a safety barrier: risk-based fitness to work and workforce wellbeing
Mustafa Kassem, Occupational Health & Hygiene Lead, Cheiron Energy

10:20-10:40 Occupational health effects of BTEX and development of a recyclable biocomposite for wastewater treatment
Shimaa Rabah, HSE Assistant General Manager, Sianco

10:40-11:00 Case study: reducing the risk of human factors in safety-critical pressure testing with digital technology
Craig Martin, Global Business Development Manager, Archer

11:00-11:20 Compliance to generative: a practical route up the safety culture ladder in a brownfield gas operation
Alaa Abdallah, HSSE Manager, Kuwait Energy Iraq Limited

WEDNESDAY 31 MARCH 2027

CATEGORY: ASSET INTEGRITY & CORROSION MANAGEMENT (AICM)

SESSION: 19

TITLE: TRANSFORMING ASSET INTEGRITY: INSPECTION AND CORROSION MANAGEMENT

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Non-contact magnetometric inspection for mixed onshore and subsea non-piggable pipelines: a case study from Indonesia
Natalia Kopko, Head of International Department, Polyinform

11:50-12:10 Development of a fully quantitative damage factor methodology for methanol stress corrosion cracking assessment in carbon steel equipment
Omar Saleh, Material & Corrosion Engineer, Engineering for Petroleum and Process (Enppi)

12:10-12:30 Advanced through-tubing multi-pipe corrosion assessment with slim magnetic thickness detection technology
Ashutosh Kumar, RDAS Engineer, TAQA Well Solutions

12:30-12:50 Mitigating sulphur breakthrough in natural gas desulphurisation units through recycle hydrogen optimisation
Amir Ayad, Acting Process Superintendent, Methanex Egypt

CATEGORY: COMPLETIONS & WELL ENGINEERING (COMPL)

SESSION: 20

TITLE: BEST PRACTICES FOR WELL PRODUCTIVITY: STIMULATION, LOGGING AND OPTIMISATION

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 ML-based crude oil mud contamination detection using EIS technology
Osama Otayf, Engineer 2, Interdisciplinary, Research and Technology Development, Baker Hughes

11:50-12:10 Mitigation of condensate banking in the gas-condensate reservoirs of Egypt's Western Desert: field studies of hydraulic fracturing as a treatment strategy
Abdullah Mohamed, Reservoir Engineer, Khalda Petroleum Company

12:10-12:30 Taming sand: continuous chemical dispersant injection as a scalable solution for ESP run-life extension in mature waterflood fields
Winoto Wusodo, Application Engineer, Baker Hughes

12:30-12:50 Customised acid treatment for damaged-proppant frac conductivity in deep high-temperature sandstone reservoirs
Ataf Larit, Expert Technical & Sales, TAQA Well Solutions

WEDNESDAY 31 MARCH 2027

CATEGORY: DECARBONISATION, ENERGY TRANSITION & ENERGY EFFICIENCY (DTE)

SESSION: 21

TITLE: ENERGY EFFICIENCY AND OPTIMISATION: CASE STUDIES

LOCATION: ROOM 3

CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 22

TITLE: CIRCULAR ECONOMY AND RESOURCES RECOVERY

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Cooling-water temperature as a low-cost lever for compressor energy efficiency and carbon reduction: a field case study
Nagy Hassan, Energy Efficiency & Decarbonization General Manager, Alexandria Mineral Oil Company (AMOC)

11:50-12:10 Advanced control software for Aeroderivative Gas Turbine: Enhancing Efficiency and Emissions Performance
Martina Rossi, Product Manager, Baker Hughes

12:10-12:30 From 35% to above 85% cluster fuel utilisation: HRSG steam export from an Egyptian gas-turbine plant to an adjacent refinery
Mohamed El Yamani, Energy Transition Manager, Egyptian Projects Operation and Maintenance (EPROM)

12:30-12:50 Active foam cleaning implementation as an advance maintenance technique to restore efficiency in steam turbines and GT's compressors – Full restoration of steam and gas turbines efficiency by removing flow path deposits with deep chemical foam cleaning – review of the concept and practical application
Jacek Sadowski, Director for International Business Development, Ecol

11:30-11:50 Transforming construction waste into reusable modular infrastructure assets for energy projects: a circular lifecycle and cost-optimisation approach
Amr Elnaggar, PPP Unit Director, The Arab Contractors

11:50-12:10 One coastal utility island: integrating flare-gas recovery, cogeneration and desalination for Egypt's energy–water security
Nader Nabil, Senior Energy Engineer, Egyptian Projects Operation and Maintenance (EPROM)

12:10-12:30 Critical mineral extraction from produced water in the context of the petroleum industry: a state-of-the-art review and perspectives for Kazakhstan
Ahmed Labena, Professor of Microbiology, Egyptian Petroleum Research Institute (EPRI)

12:30-12:50 Treatment of digestates via supercritical water gasification (SCWG)
Julio César Aparicio, Chief Technology Officer, CADE

WEDNESDAY 31 MARCH 2027

CATEGORY: GAS/LNG PROCESSING, OPERATIONS & TECHNOLOGY (GAS)

SESSION: 23

TITLE: ADVANCES IN GAS PROCESSING AND TREATMENTS

LOCATION: ROOM 5

CATEGORY: HEALTH & SAFETY (HS)

SESSION: 24

TITLE: AI AND PSM IMPLEMENTATION IN HSE

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Electrocatalytic H_2S splitting as a sour gas valorisation pathway for hydrogen and sulphur recovery
Ahmed Mabrouk, Technology & Development Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

11:50-12:10 CO_2 stripping using blend of ionic liquid in natural gas treatment processes
Nafisa Atiku Jallah, Laboratory Technologist, Baze University Abuja

12:10-12:30 Hydrocarbon dew point (HCDP) calculation by splitting C6+ into C9+
Ahmed Serag, Senior Measurement Engineer, MENA Region, bp

12:30-12:50 Rerouting high-pressure flashed gases to maximise plant capacity and uphold hardware barriers
Ahmed Montasser, Production Shift Leader, General Petroleum Company (GPC)

11:30-11:50 Integrating AI-driven predictive analytics into emergency response planning for onshore drilling operations: a case study from Egypt's Western Desert
Ahmed Gamal, General Manager, AGBSK

11:50-12:10 AI-augmented HAZOP: a context-aware engineering intelligence framework for improving process safety performance
Ali Ibrahim, Senior Industry Consultant, Octave

12:10-12:30 Beyond compliance: understanding the challenges of process safety management implementation in brownfield facilities
Mohammed Sabry Mahmoud, Process Safety General Manager, Egyptian Natural Gas Company (GASCO)

12:30-12:50 Transforming cumulative risk assessment into a real-time leading indicator for process safety excellence
Muhammad Khaleel, Process Safety Engineer, ADNOC Gas

WEDNESDAY 31 MARCH 2027

CATEGORY: AI & DIGITAL ERA (AIDE)

SESSION: 25

TITLE: PREDICTIVE MAINTENANCE AND OPTIMISATION APPLICATIONS

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 AI-driven predictive analytics for ESP reliability and well productivity enhancement using automated production solution platform
Wael El Sherbeny, Leader Digital Solutions, MENATI & KSA, Baker Hughes

14:20-14:40 Applying survival analysis, machine learning and real-time SCADA integration for predictive ESP failure risk and remaining useful life estimation: a field case study from the Western Desert, Egypt
Bassem Aboelsoud, Senior Production Technologist, Cheiron Energy

14:40-15:00 Artificial neural network-based risk assessment for refining equipment failure prediction
Mohamed Alaa El-Din Mahgoub Khedr, Inspection & Asset Integrity Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

15:00-15:20 Beyond predictive maintenance: governed AI reliability intelligence for safer production and higher asset availability
Ahmed Shahat, Senior Reliability & Technical Support Engineer, SABIC

CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)

SESSION: 26

TITLE: UNLOCKING ALTERNATIVE LOW-CARBON ENERGY

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Industrial insect oil purification for HEFA SAF feedstock: process development and refinery validation
Liudmila Prozorova, Co-Founder & COO, Circa Biotech

14:20-14:40 Scaling Sustainable Aviation Fuel with PureSAF® Platform
Suwanie Thakrar, Senior Technical Advisor, KBR

14:40-15:00 A modular solution for upgrading flare gas into low-carbon synthetic fuels
Ali Mansouri, Technology Leader, Low Carbon Fuels, Baker Hughes

15:00-15:20 Strategic retrofitting of existing downstream assets for value creation and decarbonisation: a techno-economic framework using sustainable aviation fuel as a case study
Preeti Shetty, Senior Manager, Tata Consulting Engineers

WEDNESDAY 31 MARCH 2027

CATEGORY: DECARBONISATION, ENERGY TRANSITION & ENERGY EFFICIENCY (DTE)

SESSION: 27

TITLE: METHANE EMISSIONS ABATEMENT AND MANAGEMENT

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 An AI-driven digital carbon twin framework for operational emissions and climate benefits assessment across conventional and emerging energy systems
Firoza Sheikh, Senior ESG Analyst, Greenfield Oil and Trading Services

14:20-14:40 Life-cycle greenhouse gas emissions of LNG: impact of supply chain and technology choices
Giorgio Bonvicini, Head, Sustainability and Carbon Reduction, RINA

14:40-15:00 Comply or lose the market: how EU methane regulation reshapes Egypt's role as a Mediterranean energy hub
Abdullah El Madany, Environmental & LCA Researcher, Dcarbon

15:00-15:20 From routine flaring to clean power: a profitable decarbonisation model for remote oil production facilities in Egypt's Western Desert
Mohamed Gaber, Process Design Section Head, Petrojet

CATEGORY: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE (ESC)

SESSION: 28

TITLE: POLLUTION MONITORING AND EMISSIONS MANAGEMENT

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Decarbonising the midstream: life-cycle assessment and strategic mitigation roadmap for propane production
Dalia Koura, Sustainable Development Assistant General Manager, Egyptian Natural Gas Company (GASCO)

14:20-14:40 Closing the loop on Egypt's oil, gas and petrochemical solid waste: a data and decision layer that turns hazardous liability into recovered value
Mohamed Radwan, Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

WEDNESDAY 31 MARCH 2027

CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

SESSION: 29

TITLE: UNLOCKING FRONTIER AND EXPLORATION POTENTIAL

LOCATION: ROOM 5

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Unlocking the hydrocarbon potential of the frontier Herodotus Basin, Eastern Mediterranean offshore Egypt: an integrated petroleum system assessment
Mohamed Saad Elokazy, Assistant General Manager, Egyptian Natural Gas Holding Company

14:20-14:40 Evaluating the deepwater pre-Messinian plays leveraging recent basin-scale 3D seismic reimaging in the Nile Delta basin
Gebril Saleh, Exploration Lead, EUG, SLB

WEDNESDAY 31 MARCH 2027

CATEGORY: ENERGY ECONOMICS, GOVERNANCE, AGREEMENTS & FINANCE (EGAF)

SESSION: 30

TITLE: STRATEGIC FRAMEWORKS FOR ENERGY INVESTMENTS

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 From policy to barrels: EGPC's strategic framework for turning upstream investment into rapid exploration to discovery results
Hanan Salama, Department Head, Egyptian General Petroleum Corporation (EGPC)

14:20-14:40 Evaluating geological risk and investor entry in Oman's 2026 licensing round
Anurag, Senior Analyst, Upstream Exploration Research, Rystad Energy

14:40-15:00 Renewable energy transition as a macroeconomic stabilisation strategy: quantitative scenarios for Egypt to 2050
Alaa Mostafa Abdel Rahime, Energy Efficiency & Sustainability Expert, Egyptian Petrochemicals Holding Company (ECHEM)

WEDNESDAY 31 MARCH 2027

CATEGORY: AI & DIGITAL ERA (AIDE)

SESSION: 31

TITLE: ADVANCED AI APPLICATIONS FOR ENERGY MANAGEMENT

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 Reducing integration cost in subsurface workflows through open AI protocols
Abdelrahman Mohamed, Senior Reservoir Engineer, Rock Flow Dynamics

15:50-16:10 Automating the national energy transition: implementing Egypt's first AI-enhanced energy balance and sustainability KPI dashboard
Nancy GamalElDin Azazy, Senior Energy Efficiency Engineer, PhD Research, UNFCCC, Ministry of Petroleum & Mineral Resources

16:10-16:30 Towards a holistic AI-based framework for CO_2-EOR and geological carbon storage optimisation: bridging reservoir dynamics, socioeconomic dimensions and climate impacts
Anas Mohammed Hassan, Associate Professor, Heriot-Watt University, Aktobe Campus, Kazakhstan

16:30-16:50 LOIF™: a design science framework for laboratory operational intelligence in AI-driven petroleum refineries – industrial validation using 30 days of real refinery data
Tarek Abobakr, Chemical Laboratory Section Head, EPROM - MIDOR Refinery

WEDNESDAY 31 MARCH 2027

CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)

SESSION: 32

TITLE: BIOFUELS: PRODUCTION TO DEPLOYMENT

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 Synergistic conversion of agriculture-derived waste streams to renewable fuels in the leading agriculture region of the United States
Zhongzhe Liu, Associate Professor, California State University, Bakersfield

15:50-16:10 Biofuel co-processing in Egyptian refineries: leveraging existing assets for low-carbon fuel production
Aya Elkemary, Energy Transition & Sustainability Consultant, Egyptian Projects Operation and Maintenance (EPROM)

WEDNESDAY 31 MARCH 2027

CATEGORY: RENEWABLE ENERGY (RE)

SESSION: 33

TITLE: INTEGRATING RENEWABLES AND STORAGE SOLUTIONS

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 Teaching diesel to think: a machine-learning framework for optimal battery storage sizing in oil drilling rig microgrids
Ismail M. Mosaed, Managing Director, Enetic

15:50-16:10 Integrated renewable energy and resource recovery: four integrated systems, one power and resource strategy for rural settlement
Tosin Jolaoye, Project Manager, Prime Sources

16:10-16:30 A geo-decision intelligence platform for accelerating renewable energy planning: an integrated GIS and business intelligence reference architecture
Salah Stephen, Founder & Managing Director, Cyber Mission

WEDNESDAY 31 MARCH 2027

CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS & MARKETING (REF)

SESSION: 34

TITLE: OPTIMISING REFINERY TECHNOLOGY AND INNOVATION

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 A digital framework for the monitoring and optimisation of combined heat and power steam systems for refineries
Ahmed Hassan, Process Sustainability Engineer, Eprom (ERC)

15:50-16:10 Synergistic decarbonisation of refining assets: a techno-economic framework integrating CCUS with multi-objective energy optimisation
Sara El-Kassaby, Assistant General Manager Technology & Development, Egyptian Projects Operation and Maintenance (EPROM)

16:10-16:30 Simulation-based optimisation of fractionator operation in the HP-DAK unit at HPCL Mumbai Refinery for consistent production of on-specification de-aromatised solvents
Venkata Ranganath Voleti, Senior Manager, Global Technology Centre, Hindustan Petroleum Corporation

16:30-16:50 Mitigating operational risk in downstream transitions: a knowledge graph architecture for tacit knowledge retention
Abdulmoniem Alhumoud, Senior Industrial Consultant, Octave

WEDNESDAY 31 MARCH 2027

CATEGORY: UPSTREAM: EXPLORATION OF CONVENTIONAL RESOURCES (CONV)

SESSION: 35

TITLE: RESERVOIR CHARACTERISATION AND INTEGRATED EOR METHODS

LOCATION: ROOM 5

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 Beyond conventional logs: redefining geosteering in carbonate reservoirs using integrated LWD measurements while drilling
Mahmoud Shehab El Dein, Senior Petrophysicist, Kuwait Oil Company

15:50-16:10 An innovative AI-assisted workflow for carbonate buildup reservoir exploration and characterisation to maximise hydrocarbon asset value: demonstration from the Barents Sea, Norway
Ahmed Hafez, Subsurface Team Leader, Associate Professor, NOC - International

16:10-16:30 An integrated workflow for workover and sidetrack operations using RTA and analytical approach leading to higher oil recovery by novel technology in water and sand production control of Sarir Field
Ali Zolalemin, Senior Reservoir Engineer, Baker Hughes

WEDNESDAY 31 MARCH 2027

CATEGORY: ENERGY ECONOMICS, GOVERNANCE, AGREEMENTS & FINANCE (EGAF)

SESSION: 36

TITLE: OPTIMISING MARKETS: PRICING AND COMMERCIALITY

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

15:30-15:50 Advancing gas pricing reform in Egypt: comparative lessons for the next phase
Cat Hunter, Director, CH2 Research & Advisory

15:50-16:10 Evolving gas demand landscape amid shift in demand hotspots and buildout of data centers
Mrinal Bhardwaj, Senior Analyst, Oil & Gas, Rystad Energy

16:10-16:30 Owning the inflation hedge: rethinking cost structure and contractor strategy for long-life energy assets in high-inflation economies
Nouraldin Youssef Hasan Ahmmad, Mining Engineering & Operations Lead, Eqat Gold Mines (EGM)

THURSDAY 1 APRIL 2027

CATEGORY: AI & DIGITAL ERA (AIDE)

SESSION: 37

TITLE: EFFICIENCY DRIVEN DIGITAL TWIN FRAMEWORK

LOCATION: ROOM 1

CATEGORY: HYDROGEN, BIOFUELS, ALTERNATIVE FUELS, NUCLEAR (ALT)

SESSION: 38

TITLE: HYDROGEN PRODUCTION SCALE-UP STRATEGIES

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 From sensors to autonomy: Gulo Gulo and the full digital twin ladder for energy
Mohamed Elhabiby, Chief Executive Officer, Micro Engineering Group

10:20-10:40 AI-driven carbon intelligence for brownfield refineries: an integrated digital twin framework for sustainable operations in Egypt and the MENA region
Chahira M. Taymour A. Hassib, Project & Engineering Manager, Target Construction

10:00-10:20 Positioning Egypt in the global hydrogen export race: what actually drives final investment decisions
Ahmed Abbas, Hydrogen Expert, Enerdata

10:20-10:40 Egypt's potential to play as an integrated multi-modal hydrogen hub: a techno-strategic assessment benchmark against the Port of Rotterdam
Mohamed Eltahan, Chief Executive Officer, Technical Affairs Assistance, Egyptian Gas Regulatory Authority (GASREG)

10:40-11:00 Advanced catalyst-integrated terphenyl polymer membrane for scalable and high-efficiency green hydrogen production in anion exchange membrane electrolysers
Kishore Ravichandran, Vice President, BD & Strategic Partnerships, EMEA, HYDGEN

11:00-11:20 Off-grid green ammonia production by EAGA: integrating renewable hydrogen generation, desalination and electrolysis at scale
Tomoho Umeda, Founder & CEO Hynfra

THURSDAY 1 APRIL 2027

CATEGORY: RENEWABLE ENERGY (RE)

SESSION: 39

TITLE: INNOVATIVE GEOTHERMAL ENERGY AND POWER-TO-X APPROACHES

LOCATION: ROOM 3

CATEGORY: DOWNSTREAM: REFINING TECHNOLOGY, OPERATIONS & MARKETING (REF)

SESSION: 40

TITLE: REFINERY ECONOMICS: CLOSING THE COST VS PROFITABILITY GAP

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Design optimisation and drilling strategies for geothermal wells in complex metamorphic formations
Raid BuKhamseen, Engineering & Geosciences Technical Director, TAQA Well Solutions

10:20-10:40 A technical assessment model for repurposing abandoned oil and gas wells into geothermal energy: insights into promoting renewable energy transition
Mahmoud Salah, Senior Energy Efficiency Engineer, Assiut Oil Refining Company (ASORC)

10:40-11:00 Electrons to molecules: a framework for ranking power-to-X pathways for oil and gas in MENA
Mohammed Amasha, Process Engineer - Naphtha Processing, Egyptian Projects Operation and Maintenance (EPROM)

10:00-10:20 Closing the plan-to-actual gap: an integrated APC, RTO and energy-management framework for refinery margin
Sally Mohamed Fathy Eid, Section Head, Technical Office, Alexandria National Refining & Petrochemicals Co. (ANRPC)

10:20-10:40 Hybrid modelling for unlocking hidden value in a delayed coking unit
Steve Beeston, Refinery Digitalization Consultant, Process, Ingenero

10:40-11:00 Crude pre-heat train optimisation and OPEX reduction
Mohan Dhas, Director, Strategy & Business Development, Lummus Technology

THURSDAY 1 APRIL 2027

CATEGORY: OFFSHORE AND SUBSEA PRODUCTION, OPERATIONS & TECHNOLOGY (OS)

SESSION: 41

TITLE: OFFSHORE INFRASTRUCTURE DEVELOPMENT

LOCATION: ROOM 5

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 Brownfield deck extension on a 1970s offshore hull platform: integrated structural assessment from finite element analysis to offshore installation
Ahmed ElHamahmy, Principal Structural Engineer, McDermott

10:20-10:40 Foamer-assisted liquid unloading as a flow assurance solution for mature subsea gas tiebacks
Sabry Kasem Galal, Production Lead, Egypt Upstream Gateway (EUG)

10:40-11:00 The West Delta Deep Marine development – a continued success story
Fredrik Witting, Early Engagement Leader, Baker Hughes

11:00-11:20 AIRBARGE: modular barges for offshore industry
Ramon Lopez Mendizabal, Head of Energy Business Development, Esteyco

THURSDAY 1 APRIL 2027

CATEGORY: GEOSCIENCE (GEO)

SESSION: 42

TITLE: ADVANCES IN SEISMIC TECHNOLOGIES AND RESERVOIR MODELLING

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

10:00-10:20 New data and advanced imaging opening West Egypt offshore exploration
Mark Hamilton, Principal Geoscientist, TGS

10:20-10:40 Elastic full-waveform inversion for high-resolution impedance imaging: case study from northern the Western Desert, Egypt
Ahmed El-Bassiony, Imaging Manager, Brightskies Geoscience (BSG)

10:40-11:00 Turning Fals DHI into a discovery in offshore Nile Delta turbidites using integrated seismic stratigraphy and rock physics
Mahmoud Essa, Senior Staff Geophysicist, Cheiron Energy

11:00-11:20 Novel acid matrix treatments numerical simulator for carbonate and terrigenic reservoirs: web-based, cloud-enabled, with design automation
Alexey Yudin, Senior Technical Manager, TAQA Well Solutions

THURSDAY 1 APRIL 2027

CATEGORY: AI & DIGITAL ERA (AIDE)

SESSION: 43

TITLE: DRIVING DIGITAL TRANSFORMATION SOLUTIONS WITH AI

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Your documents are the codebase: agentic AI for the engineer who does not code
Ahmed Sabri, Technology & Development Department Manager, Egyptian Projects Operation and Maintenance (EPROM)

11:50-12:10 Continuous combustion window tracking for real-time emissions control in DLE gas turbines
Martina Rossi, System Engineer, Baker Hughes

12:10-12:30 Digital solutions drive new record in the Egyptian Western Desert
Abdalla Abouelazm, Digital Drilling Engineer, SLB

12:30-12:50 From manual surveillance to scalable intelligent operations: transforming RTOC workflows with edge-based AI
Mahmoud Elghor, Customer Success Manager, NOV

THURSDAY 1 APRIL 2027

CATEGORY: OIL & GAS FIELD DEVELOPMENT (FD)

SESSION: 44

TITLE: UNLOCKING FIELD POTENTIAL THROUGH PLANNING AND DEVELOPMENT

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 A three-tier restart framework for shut-in reservoirs: coupling drive-mechanism diagnostics, artificial-lift integrity, and surface-system readiness to quantify recovery risk across natural-flow, waterflood, and mature asset classes following extended curtailment
Amaresh Mishra, Upstream Research Analyst, Rystad Energy

11:50-12:10 Multi-reservoir network modelling: forecasting greenfield tie-back development using a unified ensemble modelling workflow
Mark Hanna, Principal Subsurface Advisor, MENA, Halliburton

12:10-12:30 Field validation of gravity segregation concept through replacement of a mechanically abandoned well: a Lower Rudies Sandstone reservoir case study, July Field, Gulf of Suez
Mohammed Elakabawy, Senior Reservoir Engineer, Gulf of Suez Petroleum Company (GUPCO)

THURSDAY 1 APRIL 2027

CATEGORY: RENEWABLE ENERGY (RE)

SESSION: 45

TITLE: SOLAR ADVANCES

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Field-validated hybrid solar PV–diesel electric drive for a 75 HP sucker-rod pump: power-electronic design, multi-layer control and techno-economic performance in Egypt's Western Desert
Tarek Mansour, General Manager, Engineering for Petroleum and Process (Enppi)

11:50-12:10 From concept to financial close: a replicable bankability framework for utility-scale solar PV in frontier markets
Tendai Stephano, CEO & Technical Director, AIB Corp

12:10-12:30 Powering Egypt 2030: overcoming thermal barriers in solar PV efficiency
Abdelrahman Hafez, Assistant Lecturer, Coventry University (The Knowledge Hub Universities)

THURSDAY 1 APRIL 2027

CATEGORY: PEOPLE & TALENT DEVELOPMENT (PPL)

SESSION: 46

TITLE: NEXT-GEN LEADERSHIP AND DEVELOPMENT STRATEGIES

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Ethical leadership in petroleum organisations: CEO performance pathways to talent retention, safety, and sustainability
Mohamed Matar, General Manager, Projects Technical Support, Egyptian Projects Operation and Maintenance (EPROM)

11:50-12:10 The Green Transition (TGT): integrating green workforce development with community-based decarbonisation
Radwa El Maayergy, Communications Officer, United Energy Egypt

12:10-12:30 Integrating AI applications in HR in the oil and gas companies
Lamis Selim, Assistant General Manager, Planning & Follow up, Badr El-Din Petroleum Company (BAPETCO)

THURSDAY 1 APRIL 2027

CATEGORY: PROJECT MANAGEMENT & EXECUTION (PM)

SESSION: 47

TITLE: SUCCESSFUL PROJECT MANAGEMENT: CONTRACTS AND EXECUTION

LOCATION: ROOM 5

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 BIM-driven execution excellence in oil and gas megaprojects: a deployment-oriented framework and localisation pathway for Egypt's energy infrastructure
Mohamed Mousa, Senior Project Manager, Alexandria National Refining & Petrochemicals Co. (ANRPC)

THURSDAY 1 APRIL 2027

CATEGORY: GEOSCIENCE (GEO)

SESSION: 48

TITLE: DIGITALISATION IN SUB-SURFACE EXPLORATION

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

11:30-11:50 Leveraging deterministic relative geological time model and deep learning to identify and characterise stratigraphic features in 3D seismic data
Lamia Ben Khalfallah, Technical Account Manager, Eliis

11:50-12:10 Field-scale facies propagation in heterogeneous Miocene carbonates: a supervised random forest workflow integrating core, conventional logs, and borehole imaging, Gulf of Suez, Egypt
Maram Elhadad, Senior Petrophysicist, Petrophysics & Reservoir Geology, General Petroleum Company (GPC)

12:10-12:30 A trainable physics-informed neural network for simultaneous petrophysical inversion with learnable, basin-scale rock-physics parameters
Ryan Banas, Director, PetroRes Consulting

12:30-12:50 Automated detection and vectorisation of paleochannel systems in 3D seismic data using computer vision trained on geomorphologically simulated models
Daniil Bogoedov, Head of AI Research & Development, Geoplat AI

THURSDAY 1 APRIL 2027

CATEGORY: AI & DIGITAL ERA (AIDE)

SESSION: 49

TITLE: DEVELOPMENTS IN ADVANCED ANALYTICS AND AUTONOMOUS OPERATIONS

LOCATION: ROOM 1

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 From prompt to forecast: autonomous AI agents orchestrating reservoir simulation through an open interoperability protocol
Bernardo Bohórquez Lairet, Senior Reservoir Engineer, Rock Flow Dynamics

14:20-14:40 Towards a fully data-driven reservoir model: integrating analytics and AI for waterflood optimisation
Supratik Banerji, Technical Advisor, Reservoir & Production (MENA), Weatherford

14:40-15:00 The autonomous barrel: how AI agents and blockchain will rewire energy supply chains by 2030
Liudmila Prozorova, Founder & CEO, Quantum Leap Consultancy

15:00-15:20 AI-driven digital reservoir surveillance platform for automated bottom-hole pressure reconstruction in mature fields
Eslam Halawa, Senior Production Engineer, Vaalco Energy

CATEGORY: OIL & GAS FIELD DEVELOPMENT (FD)

SESSION: 50

TITLE: PRODUCTION OPTIMISATION AND PERFORMANCE ENHANCEMENT

LOCATION: ROOM 2

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Utilising advanced formation testing tools to unlock tight gas resources in mature fields
Safa Al-Breiki, Operations & Production Petrophysicist, bp

14:20-14:40 Performance evaluation of multifractured horizontal wells (MFHWs) by considering complex fracture networks and flow dynamics
Daoyong Tony Yang, Professor, University of Regina

THURSDAY 1 APRIL 2027

CATEGORY: RENEWABLE ENERGY (RE)

SESSION: 51

TITLE: OPTIMISING WIND AND WAVE POWER

LOCATION: ROOM 3

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Energy optimisation of renewable-powered ESP wells using well test data and machine learning-based scheduling
Ahmed Mostafa, Senior Engineer, Gulf of Suez Petroleum Company (GUPCO)

14:20-14:40 Sustainable wind turbine blades: current solutions and repairs
Leon Mishnaevsky Jr, Senior Researcher, Technical University of Denmark

14:40-15:00 Engineering optimisation of hybrid wind-solar-battery storage systems for enhanced grid reliability in the East Mediterranean
Mona Hamdy Mahmoud, Reliability Assistant General Manager, Egyptian Projects Operation and Maintenance (EPROM)

15:00-15:20 Recovery of waste energy from breaking sea waves
Giulio Teodoro Maellaro, Engineer, Global Engineering Constructions (GECO)

CATEGORY: PEOPLE & TALENT DEVELOPMENT (PPL)

SESSION: 52

TITLE: BUILDING A HIGH-PERFORMING AND INCLUSIVE WORKFORCE

LOCATION: ROOM 4

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Coaching high-performance teams – role of a team leader
Alla Levadnaya, Managing Director, Growth Associates UK

14:20-14:40 Beyond policy: the psychology of belonging in women's energy sector advancement
Deepika Soni, Senior Finance Manager, Indian Oil Corporation

14:40-15:00 Resilient by design: Egypt's women-in-energy ecosystem in an era of global DEI retrenchment
Passant El Nashar, ESG Director, DCarbon

THURSDAY 1 APRIL 2027

CATEGORY: PROJECT MANAGEMENT & EXECUTION (PM)

SESSION: 53

TITLE: PROJECT EFFICIENCY THROUGH AI INTEGRATION AND RISK ASSESSMENT

LOCATION: ROOM 5

CATEGORY: OFFSHORE AND SUBSEA PRODUCTION, OPERATIONS & TECHNOLOGY (OS)

SESSION: 54

TITLE: TRANSFORMING OFFSHORE OPERATIONS

LOCATION: ROOM 6

PRESENTATION TITLES AND SPEAKERS

14:00-14:20 Integrated risk management framework for gas plant projects and renewable energy integration in Egypt: a case-based approach to cost and schedule contingency estimation
Omar Mohamed, Executive General Manager for Execution Projects Follow-up, Egyptian Natural Gas Company (GASCO)

14:00-14:20 Resilient subsea power: autonomous subsea backup power for critical offshore infrastructure in the Mediterranean
Richard Knox, Founder & Chief Technology Officer, Verlume

14:20-14:40 AI-driven project control towers: transforming megaproject delivery with predictive intelligence
Harish Shanker, Senior Industry Consultant, Octave

14:20-14:40 Re-thinking shallow-water tie-backs in North Africa and the Red Sea: a TOTEX and emissions-based assessment of flexible pipe systems
Massimo Sala, Senior Technical Sales, Early Engagement, Baker Hughes

14:40-15:00 AI-enabled project controls transformation in energy megaprojects: enhancing cost, schedule, risk, and claims governance
Abdulrahman Kamal, Contracts & Commercial Manager, Abu Dhabi Investment Authority (ADIA)

14:40-15:00 A SmartBOG architecture for predictive management and electrical recovery of liquid hydrogen boil-off gas: design and experimental validation
Luca Mendicino, R&D Project Manager, Techfem



Technical Committee Members

1 Downstream: Refining Technology, Operations & Marketing (REF)

- **Category Chairperson:** Zayed Almazrouei, Executive Director, Downstream & Marketing, Mubadala Energy
- Badr Farghaly, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Evmorfia (Morfoula) Tsantekidou, Operator, Oil Supply & Sales, Operations Division, Helleniq Petroleum
- Sahar Aly, Assistant Vice Executive Managing Director, Egyptian Natural Gas Holding Company (EGAS)

2 Downstream: Petrochemicals Technology & Operations (PET)

- Ahmed Khayrat, Assistant General Manger, Operation, Egyptian Petrochemicals Holding Company (ECHEM)
- Hany Ibrahim, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Mohamed Hussein, General Manager, Projects, Egyptian Petrochemicals Holding Company (ECHEM)
- Radwa Ahmed, Section Head, Operation, Egyptian Petrochemicals Holding Company (ECHEM)

3 Upstream: Exploration of Conventional Resources (CONV)

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- Ahmed Elgazzar, Exploration Team Lead, bp
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- Aristotelis Pagoulatos, Geotechnical Support Department Manager, Helleniq Upstream
- Eslam Esmael, Executive, Reservoir Geology, PETRONAS
- Islam Hamed Ali, Assistant General Manager, Deep-Water Studies, Petrobel (Petroshorouk – Eni Joint Venture)
- Maha Khattab, Global Solution Geophysicist, bp
- Mohamed Hafez, Subsurface Manager, PETRONAS
- Shehab Elghazaly, Geoscience Team Leader, bp

4 Upstream: Exploration of Unconventional Resources (UNCONV)

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- Tharwat Hassane, Operations General Manager, Sahara Oil and Gas

5 Gas/LNG Processing, Operations & Technology (GAS)

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- Hamada Ahmad Mohamad, General Manager, Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Hany Ibrahim, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Khaled ElGammal, General Manager, LNG/Gas Trading, Export & Import Activities, Egyptian Natural Gas Holding Company (EGAS)
- Madonna Zakhari, Production Advisor, Shell Egypt
- Mohamed Gadallah, Engineering Manager, Cheiron Engery

6 Midstream: Infrastructure, Transportation & Storage (MID)

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- Hany Ibrahim, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Zayed Almazrouei, Executive Director, Downstream & Marketing, Mubadala Energy

7 Offshore and Subsea Production, Operations & Technology (OS)

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- Ahmed Shaheen, Operation & Asset Integrity Manager, PETRONAS
- Ammar Soliman, Subsea Engineer, bp
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- Mohamed ElMekkawy, Senior Engineering Lead, Baker Hughes
- Mohamed Hafez, Subsurface Manager, PETRONAS
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8 Decarbonisation, Energy Transition & Energy Efficiency (DTE)

- **Category Chairperson:** Giorgio Bonvicini, Head of Sustainability & Decarbonization, RINA
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- Ali Tash, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Dimitrios Leventos, Environmental Management & Sustainable Development Department Manager, Helleniq Energy Holdings
- Hamada Ahmad Mohamad, General Manager, Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Hany Ibrahim, General Manager, Egyptian Natural Gas Holding Company (EGAS)
- Hend Kessiba, Environment & Sustainability Manager, Cheiron Engery
- Mohamed Gadallah, Engineering Manager, Cheiron Engery
- Mohamed Abdelhady, Fields General Manger, Khalda Petroleum Company
- Mohamed Hussein, General Manger, Projects, Egyptian Petrochemicals Holding Company (ECHEM)
- Mostafa Kortam, Chief Reservoir Engineer, Petrobel
- Myrsini Gazela, Business Development Manager, Asprofos
- Sahar Aly, Assistant Vice Executive Managing Director, Egyptian Natural Gas Holding Company (EGAS)
- Sahar Eldeeb, General Manager, Energy Transition & Sustainability, Egyptian Natural Gas Holding Company (EGAS)

9 Hydrogen, Biofuels, Alternative Fuels, Nuclear (ALT)

- **Category Chairperson:** Spyros Kiartzis, Manager New Technologies & Alternative Energy Sources, Helleniq Energy Holdings
- Manolis Markakis, Senior Director, Oil Supply & Trading, Helleniq Petroleum
- Mohamed Hussein, General Manger, Projects, Egyptian Petrochemicals Holding Company (ECHEM).
- Mostafa Kortam, Chief Reservoir Engineer, Petrobel
- Moustafa Arafa, Technology Head, Egyptian Petrochemicals Holding Company (ECHEM)
- Muhammad Fraz Khan, Senior Solutions Architect, Baker Hughes
- Sahar Eldeeb, General Manager, Energy Transition & Sustainability, Egyptian Natural Gas Holding Company (EGAS)

10 Renewable Energy (RE)

- **Category Chairperson:** Aser Abdelaziz, Egypt Mining Platform Director, Mineral Resources & Mining Industries Authority
- Abdelkader Elbadry, Planning & Control Manager, PETROBEL
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- Hend Kessiba, Environment & Sustainability Manager, Cheiron Engery
- Mohamed Hamdy, Project Development Lead, United Energy Egypt
- Moustafa Arafa, Technology Head, Egyptian Petrochemicals Holding Company (ECHEM)
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Environmental Sustainability & Climate Change (ESC) 11

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Energy Economics, Governance, Agreements & Finance (EGAF) 12

- **Category Chairperson:** Evmorfia (Morfoula) Tsantekidou, Operator, Oil Supply & Sales, Operations Division, Helleniq Petroleum
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- Ahmed Abo Zaid, Portfolio & Economics Manager, United Energy Egypt
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- Mohamed Samir, Senior Manager, Petroleum Engineering, IPR Energy Group
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AI & Digital Era (AIDE) 13

NEW FOR 2027

- **Category Chairperson:** Daniele Porciani, Digital Services Solutions Leader, Baker Hughes
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- Ahmed Rizk, Senior Geophysicist, Energean
- Aristotelis Pagoulatos, Geotechnical Support Department Manager, Helleniq Upstream
- Aser Abdelaziz, Egypt Mining Platform Director, Mineral Resources & Mining Industries Authority
- Mahmoud Hegazy, Vice President, Operations, United Energy Egypt
- Mohamed Taha, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Mohamed Abdelhady, Fields General Manger, Khalda Petroleum Company
- Mohamed Sayed Taha, Projects & Technical Consulting Manager, Enppi
- Mostafa Abo El Fadl, Assistant General Manager, Egyptian General Petroleum Corporation (EGPC)
- Mostafa Kortam, Chief Reservoir Engineer, Petrobel
- Noha Soliman, Asset Manager, Cheiron Engery
- Simone Tacconelli, Digital Solution Architect Manager, Baker Hughes

Health & Safety (HS) 14

- **Category Chairperson:** Wael Amin, Senior Head, Health, Safety & Environment, United Energy Egypt
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- Ramy Khallaf, Enterprise HSE Integration Leader, Baker Hughes
- Samar Abbass, Occupational Health Lead, Shell Egypt

Project Management & Execution (PM) 15

- **Category Chairperson:** Ashay Sharma, Project Director, APAC, Baker Hughes
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- Ahmed Shaheen, Operation & Asset Integrity Manager, PETRONAS
- Evmorfia (Morfoula) Tsantekidou, Operator, Oil Supply & Sales, Operations Division, Helleniq Petroleum
- Mahmoud Hegazy, Vice President, Operations, United Energy Egypt
- Mohamed Gadallah, Engineering Manager, Cheiron Engery
- Mohamed El-Reedy, Projects Planning Manager, GUPCO
- Mohamed Hafez, Subsurface Manager, PETRONAS
- Mohamed Hussein, General Manger, Projects, Egyptian Petrochemicals Holding Company (ECHEM)
- Sahar Aly, Assistant Vice Executive Managing Director, Egyptian Natural Gas Holding Company (EGAS)

Operational Excellence (OEX) 16

- **Category Chairperson:** Mohamed Hafez, Subsurface Manager, PETRONAS
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- Amr ElBehairy, Asset Manager, Cheiron Engery
- Enas Zahran, General Manager, Technology Development & Data Analysis, Egyptian Natural Gas Holding Company (EGAS)
- Hamada Ahmad Mohamad, General Manager, Gas Processing Facilities Studies, Egyptian Natural Gas Holding Company (EGAS)
- Hamed Abd Elmoniem, Assistant Deputy CEO, Production, Egyptian General Petroleum Corporation (EGPC)
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- Mohamed Atwa, Engineering General Manager, United Energy Egypt
- Mostafa Kortam, Chief Reservoir Engineer, Petrobel
- Shady Alfy, Operations General Manager - Gempetco JV, Cheiron Engery
- Yasser El Masry, Operations Manager, Egypt, IPR Energy Group

People & Talent Development (PPL) 17

- **Category Chairperson:** Abdelkader Elbadry, Planning & Control Manager, PETROBEL
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- Ahmed Maher, HR Consultant Rashpetco, Shell Egypt

Geoscience (GEO) 18

- **Category Chairperson:** Tharwat Hassane, Operations General Manager, Sahara Oil and Gas
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- Ahmed Abushady, Well Planning Geologist, bp
- Ahmed Baghdadi, Geomechanics & Microseismic Discipline Lead, GaffneyCline Energy Advisory (KSA), Baker Hughes
- Ahmed ElFaramawy, Asset Manager, Cheiron Energy
- Eslam Esmael, Executive, Reservoir Geology, PETRONAS
- Islam Hamed Ali, Assistant General Manager, Deep-Water Studies, Petrobel (Petroshorouk – Eni Joint Venture)
- Mohamed Soliman, Well Construction & Formation Evaluation Advisor, GaffneyCline Energy Advisory, Baker Hughes
- Mohamed-Rafik Saqer, General Manager, Egyptian General Petroleum Corporation (EGPC)
- Mostafa Abo El Fadl, Assistant General Manager, Egyptian General Petroleum Corporation (EGPC)

Oil & Gas Field Development (FD) — 19

- **Category Chairperson:** Darius Shahsavari, Senior Vice President, IPR Energy Group
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- Ahmed Shaheen, Operation & Asset Integrity Manager, PETRONAS
- Bishoy Ghaly, Assistant General Manager, Egyptian General Petroleum Corporation (EGPC)
- Hossam ElDandarawy, Engineering Manager, Baker Hughes
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- Mostafa Kortam, Chief Reservoir Engineer, Petrobel
- Noha Soliman, Asset Manager, Cheiron Engery
- Sayed Tohamy, Assistant General Manager, Egyptian General Petroleum Corporation (EGPC)
- Shady Alfy, Operations General Manager - Gempetco JV, Cheiron Engery

Completions & Well Engineering (COMPL) — 21

NEW FOR 2027

- **Category Chairperson:** Mohamed Abdelhady, Fields General Manger, Khalda Petroleum Company
- Ahmed Abdulaal, WIT Sales Engineer, SLB
- Ali Radwan, Assistant General Manager, Egyptian General Petroleum Corporation (EGPC)
- Mostafa Ashraf, Area PL Sales Account Manager, Egypt, Baker Hughes
- Shady Alfy, Operations General Manager - Gempetco JV, Cheiron Engery

Drilling & Completions (DC) — 20

NEW FOR 2027

- **Category Chairperson:** Moataz Moussa, Senior Manager Drilling, United Energy Egypt
- Ahmed Gomaa, Assistant General Manager, Offshore Drilling Operations, Egyptian Natural Gas Holding Company (EGAS)
- Ahmed Tarek, Drilling Engineer, SLB
- Ali Haroun, D&CF PSD (Land & High-Volume), SLB
- Bassem Zaky, Senior Well Engineer, Shell Egypt
- Mohamed Moanes, Department Head, Egyptian General Petroleum Corporation (EGPC)
- Seif Ayman, D&M PSD Manager, SLB

Asset Integrity & Corrosion Management (AICM) — 22

NEW FOR 2027

- **Category Chairperson:** Mostafa Mahmoud, Subsea Inspection Engineer, Shell Egypt
- Bassam Mohamed Shorait, General Manager, Egyptian Natural Gas Holding Company (EGAS)



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