

# EGYPS NEWS

## EGYPT PETROLEUM SHOW

11-13 February 2020 Egypt International Exhibition Center



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DAY THREE

## DEBATE ON FUTURE OIL AND GAS OPPORTUNITIES ATTRACTS INDUSTRY LEADERS

In the second day of the Egypt Petroleum Show (EGYPS 2020), a very informative strategic conference took place at Al Manara. The conference connected industry leaders from different countries to discuss the updates of the oil and gas industry worldwide. Moreover, the session reviewed both opportunities and challenges facing industry players, especially in Egypt, the East Mediterranean and Africa.

### ENERGY TRANSITION

The first discussion of the second day of EGYPS 2020 Strategic sessions, entitled "Responding to Energy Transition and the World's Future Energy Mix" covered energy transition, focusing on ways to respond to the transition in the middle of the fluctuating market. The session was moderated by Eithne Treanor, Presenter, EGYPS 2020. The session also witnessed the participation of four prominent panelists talking about the importance of hydrocarbon industries to the global energy mix.

The four leaders were Her Excellency Dr. Amani Abou-Zeid, Commissioner of Infrastructure, Energy, ICT and Tourism African Union Commission; Steven Winberg, Assistant Secretary for Fossil Energy US Department of Energy; Dr. Ayed S Al-Qahtani, Director of Research Division at the Organization of the Petroleum Exporting Countries (OPEC); and Pál Ságvári, Ambassador-at-Large for Energy Security Ministry of Foreign Affairs and Trade in Hungary.

During the panel, which cast light on energy demand in Africa, Abou-Zeid explained that "Africa will be in a few years the most populous region of the world, and the youngest," adding that "half a billion people in the continent are going to live in urban areas, that are more than rural areas, from here to 2040. This means an additional demand for energy either for industrial products, mobility, cooling or other things. She also referred to Africa's richness with both renewables and non-renewable sources of electricity, adding that "40% of the gas discoveries in the world were in Africa," during the period from 2011 to 2018. Yet, "more than half of the population, around 600 million people, does not have access to energy." Therefore, the future of energy is important to be discussed.

The panelists highlighted the increasing global energy demand, which recorded a 2.1% increase in 2017, when compared to 2016. The energy leaders talked about ways for countries to ensure meeting their oil and gas commitments in order to feed the needs of the emerging markets.

The session also tackled partnerships between oil and gas companies, as well as neighbouring countries to connect producers and consumers in middle of the changeable market and the geopolitical conflicts. Al-Qahtani pointed out the importance of working together to stabilise the market and to decrease volatility. "The declaration of co-operation is not all about prices, but rather more about stabilising the markets to create an investor friendly environment."

As the petrochemical industry is turning into the main source of oil demand, the session discussed petrochemical models (paradigms), drawing the light on the necessary steps to be prioritised in order to have higher productivity capital and to reach a higher position of cost advantage. The panelists further reviewed methods to help the oil and gas industry achieve high profitability and boost returns.

"I have not seen one infrastructure getting to FID without the massive support of some kind of public fund and also the massive supportive approach of the European Development Bank," Ságvári stated commenting on infrastructure projects in Central Europe.

Moreover, the panel went on to discussing the future of energy transition, which is the topic of interest in the global energy industries, reviewing emerging changes like electric cars and SUVs, and the future of oil fuelled vehicles, referring to emerging economies role to deal with these changes.

Winberg stated his disagreement with "the notion that the world is transitioning away from fossil fuel energy into renewable energy." Winberg further explained that transition is through technology. "Throughout the world's history, people have used technology to resolve issues and challenges," adding that energy transition could be managed through technology to move into clear zero-emission energy age.



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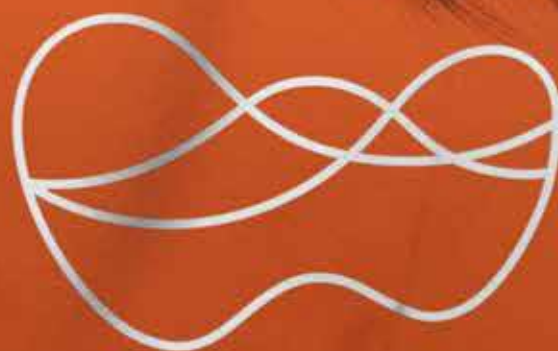
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Wintershall Dea embraces diversity because it enriches our organisation. Companies that are inclusive of people with different backgrounds, perspectives and approaches tend to outperform their competitors. We seek to recruit people with both technical and non-technical experience who can add value to Wintershall Dea, regardless of their nationality, ethnicity, gender, sexuality, age, disability or beliefs.

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## DEBATE ON FUTURE OIL AND GAS OPPORTUNITIES ATTRACTS INDUSTRY LEADERS

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### DELIVERING DOWNSTREAM VALUE

The second session, entitled "Delivering Value across the Downstream Landscape" witnessed a discussion between global business leaders of oil and gas companies, which was moderated by Richard Westerdale, Representative at Bilateral US-Arab Chamber of Commerce.

The speakers were Ibrahim Al-Buainain, CEO at Aramco Trading; Dr Saad Helal, CEO at the Egyptian Petrochemicals Holding Company (ECHEM); Andreas Shiamishis, CEO, Executive Member of the Board of Directors at Hellenic Petroleum; Jean Sentenac, President and CEO at Axens; and Stanislas Mittelman, Senior Vice President Africa Division at Total Marketing & Services.

The session reviewed the increasing opportunities in the oil and gas growing downstream sector. And the involvement of major companies in the downstream industries. Al-Buainain discussed shared recent challenges and updates facing Saudi Aramco and affecting the global energy industry. He mentioned attacks on the company's facilities and successes like SABIC stating that "the acquisition of SABIC was part of Aramco's strategy of growth. Since 2010, Aramco has changed its strategy to become a global energy company with chemical integration and refining core to its strategy."

The panel referred to how hydrocarbon leaders develop refining efficiencies and boost performance in order to meet growing demands. Dr. Helal mentioned that the Egyptian government has been developing its downstream strategy to increase the added value, noting that "without making added value, there is no economy." Helal highlighted the government's insistence to put pressure on ECHEM, focusing on not only plastics manufacturing, but also diverse petrochemical products that are important for the industries.

"In the future, fossil fuel demand growth will be replaced by petrochemicals. So, based on that, most of the players are trying to go more for petrochemicals, which is supposed to grow at a rate of 3% to 4% a year worldwide," Sentenac pointed out.

Mittelman discussed growing demand and how hydrocarbon operators need to position themselves for growth. Operators "have to adopt to changing customer behaviour and expectations."

### EAST MEDITERRANEAN GAS MARKET TRANSFORMATION

The third session, entitled "Transforming the East Mediterranean Gas and LNG Market" included a discussion between global oil and gas leading figures.

The session had a discussion between six powerful panelists, including: Donald Bagley, Vice President Exploration and New Ventures (Europe, Russia, Caspian, MENA) at ExxonMobil; Toulia Onoufriou, President at Cyprus Hydrocarbons Company (CHC); Hon. Abdulsamad Abdulrahim, Chairman of the Association of Tanzania Oil & Gas Service Providers; Houda Dabbousi, Vice President Commercial MENA at Royal Dutch Shell; Mathios Rigas, CEO at Energean; and Mahdjouba Belaifa, Head of Gas Market Analysis Department at Gas Exporting Countries Forum Secretariat (GECF).

The prominent panelists reviewed the promising activities taking place offshore as the countries of the East Mediterranean come cross new offshore natural gas discoveries, like the Zohr mammoth natural gas field. "There are key points in terms of the effective development in the region," Onoufriou stated, adding that "the key element of collaboration and synergies that operators need to explore in terms of achieving effectiveness," is to face the challenging low prices.

The session tackled plans in the East Mediterranean region to create natural gas hub, which led countries to put aside their ever-going conflicts and form geopolitical alliances. The oil and gas leaders talked about remaining necessary changes

in the region's infrastructure and the investments needed to help the hydrocarbon industry meet the market's natural gas and liquefied natural gas (LNG) needs. Summarising the gas market issues, Belaifa identified the problem of the reluctance of banks in funding fossil fuel projects, with natural gas included. "The reluctance of banks make the projects at risk, the availability of gas at risk, so, the energy security is threatened by low availability of investment,"

Adding to the gas exploration problems. Rigas noted that investments in the gas fields exist, adding that "the real issue right now in the Mediterranean comes around to two points. Number one is infrastructure, and number two gas prices," adding that "the issue is not finding the gas, the issue is finding the market and having the infrastructure to develop this gas.

Meanwhile, Abdulrahim discussed the geographical importance of Tanzania for the energy trade as it borders seven countries and could be used as a hub. "Tanzania is able to maintain and retain a domestic market use, and also for the LNG the country is looking at outside."

### DRIVING AN ATTRACTIVE OIL AND GAS INVESTMENT CLIMATE

The fourth session, entitled "Driving an Attractive Oil and Gas Investment Climate in Egypt, North Africa and the Mediterranean" included a discussion between three global oil and gas leaders, and was moderated by Khaled AbuBakr, Chairman at TAQA Arabia.

The industry leaders in the discussion were Ashraf Farag, First Undersecretary for Agreements and Exploration at the Ministry of Petroleum and Mineral Resources; Shahrizal Bin Shahari, CEO at Petronas Egypt; and Richad Soundardjee, CEO at the Middle East Societe Generale.

The session reviewed how oil and gas executives think of smart investments that lead to growth. Ashraf noted that the ministry targets to promote plans and plays a vital role in attracting important contracts. "No one can deny [that] the Ministry of Petroleum and Mineral Resources played a central role in attracting new investments by presenting Egypt in international conferences and forums." He additionally talked about Egypt's major discoveries including Zohr, and what the ministry achieved in decreasing arrears to international oil companies (IOCs).

### INNOVATION AND TECHNOLOGY

In the afternoon of the second day of EGYPS 2020, an important interview with Lorenzo Simonelli, Chairman and CEO of Baker Hughes, took place, under the title "Oil and Gas Innovation and Technology in the Fourth Industrial Age."

The conversation tackled the changes taking place in the way the hydrocarbon industry operates. Moreover, the session reviewed how the growth of the upstream, midstream and downstream sectors are affected by the improvements and fast-pace of the industry as well as the enhanced capabilities

and up-to-date technologies. "The speed-to-market has been enabled by new technology. So, when people look to more flexible approaches, the new developments are coming online must faster," Simonelli pointed out.

The speaker discussed the way oil and gas companies are working on their staff to make them ready for the digital era. The speaker reviewed attracting people to the oil and gas sector and speeding up upcoming research and development (R&D) initiatives in order to cope with the competitive hydrocarbon sector.

### EGYPT AS A REGIONAL TRADING HUB

At the end of the strategic conference, EGYPS 2020 had a live interview El Molla. The session took place under the title "The Outlook for Egypt's Future as the Mediterranean's Regional Energy Trading Hub."

El Molla reviewed Egypt's Vision 2030, drawing the light on how the North African country is setting the roadmap for its oil and gas industry. The session further tackled the milestones and steps considered for Egypt to become the regional energy trading hub.

The minister highlighted the government's people development plans, saying that "[during] the last two years Egypt, has proven to have the proper skills, the proper calibres, the people who can do the business in Egypt and also in other places of the world." He added that Egypt sometimes loses talents to other countries, and thus comes the Middle Management Development Programme as Egypt tries to "retain those talents through running some good programmes," El Molla noted, saying that the ministry "needs to prepare its future leaders, it needs to prepare a good platform of managers and leaders to take this sector up to the ambitions that the oil and gas sector made together."

The minister referred to the agreement signed by the Egyptian General Petroleum Corporation (EGPC) and Schlumberger on the first day of EGYPS 2020 for the Upstream Gateway, which is set to be launched from the New Administrative Capital.

El Molla talked about the intranet, which connects the whole sector together, mentioning the seventh pillar of the Modernisation Project, which is "the decision support system, under which the sector has all this digitisation different programmes all together," to enable having a fully-digitised system.

The minister expressed his happiness for seeing leaders from IOCs conduct their business meetings, even if they are not entirely related to Egypt, here in EGYPS 2020, making Cairo the destination for global business. El Molla expressed his wish for next year's event "to see this conference becoming bigger and the companies get more involved and more engaged, seeing more international companies attending, seeing more senior leaders attending the conference."



## TRANSFORMING ECONOMICS OF OIL & GAS PROJECTS: AN INTERVIEW WITH **FRANCESCO CAMMARATA**, VICE PRESIDENT - BUSINESS DEVELOPMENT, TECHNIPFMC

### How is TechnipFMC transforming the economics of oil and gas projects?

TechnipFMC is a global leader in subsea, onshore, offshore, and surface technologies. With our proprietary technologies and production systems, integrated expertise and comprehensive solutions, we are transforming our clients' project economics. Within onshore and offshore, we offer comprehensive solutions, turnkey contracting and construction expertise in managing projects, including oil refining, gas monetisation, petrochemicals including ethylene. We concentrate our efforts to be efficient and effective in delivering world-class service to our clients and supporting their needs from the earliest project stage. Early engagement brings a strong opportunity to influence cost and schedules through optimised technological and design choices. Regarding the importance of environmental compliance plans, we propose more energy efficient solutions that significantly lower greenhouse and toxic gases emissions such as CO<sub>2</sub>, NO<sub>x</sub> and Sox using cleaner production techniques as well as new and renewable sources of energy.

Our main strength is to deliver quality projects at the highest standards of execution and HSE. By accelerating technology innovations and developing integrated offerings across markets, we are driving efficiency improvements and transforming our clients' project economics, backed by constant feedback from the field.

We maximise plant efficiency with the most advanced digital tools for simulation and design. We continuously monitor operational performance to minimise downtime, lower maintenance costs and increase the lifespan of the facility. We also offer nearly all types of process technologies, either from our own portfolio of proprietary technologies, or we also integrate technologies from alliance partners, or from third-party licensors. This fosters early project engagement, where it can have the greatest impact on project economics.

### What is TechnipFMC's plan to enhance the performance of Egypt's energy industry?

TechnipFMC has more than 60 years of experience in greenfield and brownfield engineering and construction covering all geographies and a multitude of environments. In Egypt, our involvement dates back to the mid-1970s providing local clients with a full-service offering in all segments of operations from licensed proprietary technologies and production systems, FEED studies and early engagement to

integrated Engineering, Procurement, and Construction (EPC) solutions and project management consultancy with integrated expertise and comprehensive solutions. In recent years we have successfully delivered projects that included eliminating the high sulfur fuel oil from refinery production, transforming imported fuel into high quality, environmentally friendly exports and improving plant efficiency with an evolving programme of predictive maintenance. We have demonstrated a top-quality project design with optimum constructability and handling. We remain committed to offering continuous support and commitment to our clients after the facility handover and especially during critical phases. We also work to develop local knowledge, advancing young and skilled Egyptian talent for future employment in operations and maintenance by end-user companies.

How does the EPC contract with Egypt's Middle East Oil Refinery (Midor) showcase TechnipFMC's capabilities?

From 1997 to 2000, TechnipFMC has successfully provided EPC services to the Middle East Oil Refinery (MIDOR) for the modernisation and expansion of the existing complex near Alexandria. Today, by combining capabilities, proprietary technologies, top-rated designs and construction methodologies, we are performing the debottlenecking, upgrading and revamping of the refinery up to 175,000 b/d of crude oil capacity to produce high-quality Euro V fuels to make MIDOR one of the leading refineries in the Mediterranean Sea region. The complex expansion project at MIDOR showcases our extensive capabilities to offer the best solutions and services that meet project needs and deliver excellence. It also boosts client confidence in future refining and petrochemicals projects.

### What are you anticipating at EGYPS 2020?

Year after year, we see increasing interest in EGYPS 2020 as it addresses main challenges related to the oil industry in general. The participation of international companies in conferences and exhibitions is considered as a channel for exchanging experiences and identifying the modern technologies of the petroleum industry in various fields.

We trust EGYPS 2020 to highlight digital transformation advances in the industry and how to get up to speed with the progress achieved by international oil companies. We also anticipate opportunities to provide feedstocks to the manufacturing clusters, which attract foreign investments and contribute to employment growth.

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### How is EGYPS 2020 different from other platforms in the industry?

EGYPS brings together key stakeholders from Africa, the Greater Middle East and the Mediterranean region to create a great business opportunity for exhibiting companies to tap into new markets. It gives us the opportunity to connect and listen to top management, clients, partners and key decision makers in the oil and gas sector, as well as discuss market trends and project perspectives.

IN RECENT YEARS WE HAVE SUCCESSFULLY DELIVERED PROJECTS THAT INCLUDED ELIMINATING THE HIGH SULFUR FUEL OIL FROM REFINERY PRODUCTION, TRANSFORMING IMPORTED FUEL INTO HIGH QUALITY, ENVIRONMENTALLY FRIENDLY EXPORTS AND IMPROVING PLANT EFFICIENCY WITH AN EVOLVING PROGRAMME OF PREDICTIVE MAINTENANCE.

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## EGYPS 2021 TECHNICAL CONFERENCE CATEGORIES

<b>17 TECHNICAL CATEGORIES</b>	 Upstream: Exploration of Conventional Resources (CONV)	 Upstream: Exploration of Unconventional Resources (UNCONV)
 Geoscience: Upstream Technology Developments (GEOT)	 Oil and Gas Field Development (FD)	 Drilling (DR)
 Completions (COMPL)	 Gas/LNG Processing, Transportation, Operations and Technology (GAS)	 Offshore and Marine Technology and Operations (MAR)
 Oil and Gas Economics, Concession Agreements and Project Finance (FIN)	 Project Management and Execution (PM)	 Operational Excellence (OpEx)
 Health, Safety and Environment (HSE)	 Downstream: Refining Technology, Operations and Marketing (REF)	 Downstream: Petrochemicals Technology and Operations (PET)
 Biofuels, Alternative Fuels and Renewable Energy (BIO)	 Digitalisation of Oil and Gas (DIGI)	 People and Talent Development (PPL)

**SUBMISSIONS DEADLINE: THURSDAY 25 JUNE 2020**



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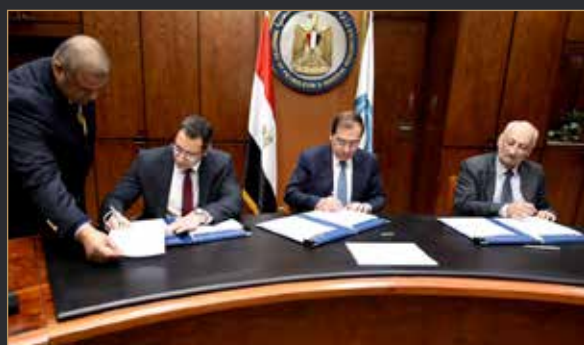
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# EGYPS 2020:



“GREAT POTENTIAL IS SEEN IN THE EASTERN MEDITERRANEAN REGION WHEN IT COMES TO UNDISCOVERED GAS RESOURCES. IT'S AN INTERESTING REGION AND EGYPT IS WELL-POSITIONED TO SERVE AS AN ENERGY HUB DUE TO ITS ESTABLISHED EXPORT FACILITIES, WHICH OFFER CONVENIENT EXPORT ROUTES. WINTERSHALL DEA IS CLOSE TO THESE DEVELOPMENTS, AMONG OTHERS AS AN ACTIVE MEMBER OF THE EAST MED GAS FORUM'S INDUSTRY ADVISORY COMMITTEE.”

**MARIO MEHREN**  
CEO OF WINTERSHALL DEA



For the fourth consecutive year, the Egypt Petroleum Show (EGYPS 2020) has once again continued to establish itself as a perfect venue for enhancing co-operation among global oil and gas companies. The three-day event witnessed a myriad of agreements signed by the Egyptian Ministry of Petroleum and Mineral Resources, international oil companies (IOCs) as well as national oil companies (NOCs). The aspects of these agreements included, but were not limited to, developing the sector's human resources, boosting production, and utilising cutting-edge technologies.

Here are the details of some of the important agreements signed on the sidelines of EGYPS 2020:

## METHANEX

The CEO of the Egyptian General Petroleum Corporation (EGPC) and Methanex Egypt Managing Director, Mohamed Shindy, signed a memorandum of understanding (MoU) to enable collaboration between both parties to embed the culture of Process Safety Management (PSM) within the Egyptian oil and gas sector.

The MoU stipulates the creation of an Egyptian PSM Steering Committee that will drive a robust agenda and roadmap aimed at institutionalising PSM within the industry, in accordance with the ministry's modernisation programme and international best practices, guidelines, and standards.

The steering committee will be composed of leaders from the Ministry of Petroleum and Mineral Resources, EGPC, Egyptian Natural Gas Holding Company (EGAS), Egyptian Petrochemicals Holding Company (ECHM) and Ganoub El Wadi Petroleum Holding Company (Ganope) in addition to Methanex. The signing was attended by ECHM Chairman Saad Helal, EGAS Chairman Osama El-Bakly, and members of Egypt's PSM Steering Committee.

## WINTERSHALL DEA

On the eve of the Egypt Petroleum Show (EGYPS 2020), Wintershall Dea and the Ministry of Petroleum and Mineral Resources signed a concession agreement for the East Damanhour block. The block is located to the west of Wintershall Dea's Disouq development in the onshore Nile Delta. During the first exploration phase of three years, starting in 2020, Wintershall Dea is planning to drill several exploration wells.

Wintershall Dea will now begin a three-year exploration phase in the East Damanhour block. Sameh

“WE STARTED OUR PSM CONFERENCE WITH OUR PARTNER ECHM TWO YEARS AGO WITH THE AIM OF SHARING AND EXTENDING OUR PSM VISION TOWARDS SAFER PROCESSES, ASSETS AND OPERATIONS WITH OTHER COMPANIES IN THE EGYPTIAN OIL AND GAS SECTOR. TODAY, WITH THIS AGREEMENT, WE TAKE REAL STEPS TOWARDS CREATING AN EGYPTIAN PSM STEERING COMMITTEE THAT WILL BE ABLE TO DRIVE PSM MODERNISATION TO ENSURE THE SAFETY OF PEOPLE, ENVIRONMENT AND ASSETS.”

**MOHAMED SHINDY**  
METHANEX EGYPT MANAGING DIRECTOR ARAB  
REPUBLIC OF EGYPT



# A PERFECT PLATFORM FOR ENHANCING CO-OPERATION



Sabry, Wintershall Dea's Managing Director for Egypt, said: "Over the years we have developed extensive knowledge and experience in this area. This, and the block's proximity to our existing Disouq infrastructure, means that we are well placed for a quick development of any discovered volumes."

For his part, Mario Mehren, CEO of Wintershall Dea, referred to the great potentials that Egypt has recently shown saying: "Great potential is seen in the Eastern Mediterranean region when it comes to undiscovered gas resources. It's an interesting region and Egypt is well-positioned to serve as an Energy Hub due to its established export facilities, which offer convenient export routes. Wintershall Dea is close to these developments, among others as an active member of the East Med Gas Forum's Industry Advisory Committee."

## ENAP'S & EGPC'S MOU

Another MoU was signed by EGPC and Empresa Nacional Del Petroleo (ENAP), organised and existed under the laws of the Republic of Chile. Through the MoU, EGPC will be able to meet the growing local demand of petroleum products, develop the exploration and production (E&P) activities, maximise oil production, and boost oil reserves.

Signing this MoU will enable both companies to contribute to flourishing the oil and gas sector in their countries. This could be achieved through exchanging scientific knowledge and technical assistance. In addition to that, this collaboration will help bolster the diplomatic relations between the two countries.

This technical collaboration aims at developing hydrocarbons in the basins in which ENAP operates, exchange of information and operational experience on unconventional reservoirs based on ENAP's activities in tight gas plays and providing EGPC insight on ENAP's corporate HSE high standards application.

## HR DEVELOPMENT

An agreement was signed between the ministry and BP for the co-operation in human resources development, which comes within the framework of the Middle Management Programme. The agreement aims to ensure the continuous development of Egypt's petroleum sector's youth over the next three years to deliver future leaders to guarantee a successful future.

According to the agreement, BP is committed to implementing an advanced training programme to transfer its specialised work experience and qualify trainees. This agreement comes after the success of the first phase of a joint co-operation between the Ministry of Petroleum and BP in this field, where a training programme for a group of young professionals was completed.

The signing was attended by the Minister of Petroleum and Bernard Looney, CEO of BP. The agreement was signed by Osama Mobarez, Undersecretary of the Technical Office of the Ministry of Petroleum and Mineral Resources, and Hesham Mekay, President of BP for North Africa.

## SCHLUMBERGER

So far, three MoUs were signed with Schlumberger during EGYPS 2020. The first agreement was signed between EGPC and Schlumberger to build, operate and transfer Egypt's Upstream Gateway. The agreement will focus on digitally promoting Egypt's oil and gas bid rounds through seamless online access to the sector's data.

The Egypt Upstream Gateway is a unique and innovative national project for digitising subsurface



# EGYPS 2020: A PERFECT PLATFORM FOR ENHANCING CO-OPERATION

information and delivering a digital subsurface platform to ensure Egypt's subsurface data is kept evergreen. It will also be a platform to promote Egypt's exploration and production potential worldwide.

The MoU was signed by Eng. Abed Ezzal Regal, CEO of EGPC, and Karim Badawi, Managing Director of Schlumberger Egypt and the Eastern Mediterranean, in the presence Olivier Le Peuch, CEO of Schlumberger International.

Another MoU was with the Ministry of Petroleum and Mineral Resources for sustainability. This MoU aims to spread awareness and enhance collaboration on sustainability initiatives.

Signing this MoU comes in line with Schlumberger's approach to sustainability which mainly depends on its long-standing culture of social and environment stewardship, in addition to supporting the sector's young professionals. Moreover, it benefits the entire oil and gas sector and its joint venture bodies.

Additionally, an MoU was signed between Schlumberger and BP, aiming to boost cooperation in digitisation of the East Mediterranean gas upstream market. It was signed by Hinda Gharbi, Reservoir and Infrastructure, Executive Vice President, and Hesham Mekkawy, BP's North Africa Regional President.

## ECHEM, BECHTEL

ECHEM signed an agreement with Bechtel to establish a \$6.7 billion petrochemical plant and refinery in the Suez Canal Economic Zone. The agreement will see the US company manage the construction of the complex and secure the funding from international financial institutions. Under the agreement, ECHEM will begin conducting feasibility studies with an international consultancy.

ECHEM and Bechtel signed the MoU for the project that aims to fast-track the mega metro-refinery complex project to achieve 20% growth in local production of value-added petrochemical products.

The agreement was signed by the chemist Saad Helal, President of ECHEM, and Brenden Bechtel, CEO of the Bechtel, in the presence of Jonathan Cohen, the American Ambassador to Cairo.

## NEPTUNE ENERGY

Neptune Energy signed an exploration licence with EGPC for Egypt's North West El Amal Offshore Concession, underlining the company's commitment to growing its presence in North Africa. Neptune will acquire 100 km<sup>2</sup> of 3D seismic data and drill one exploration well in the first phase, with two further wells planned in phase two.

The signing ceremony was attended by El Molla, Abed Ezz El Regal; Neptune Energy's CEO Jim House, VP North Africa and Asia Pacific Philip Lafeber, in addition to Neptune Egypt's Managing Director Gamal Kassem.

## CO-OPERATION WITH SOMALIA

El Molla signed an MoU with his Somali counterpart Abdel Rashid Mohamed Ahmed to enhance co-operation between Egypt and Somalia in the fields of oil, gas and mineral resources and transfer of Egyptian experiences in these areas to Somalia through establishing mutual co-operation between both countries.

El Molla pointed out that the signing of such agreements develops the cooperation between Egypt and African countries, in addition to contributing to opening new fields of work for oil sector companies outside Egypt.

## PETROLEUM AIR SERVICES

Petroleum Air Services (PAS) signed the purchase contracts of two AW139 helicopters, thus expanding its fleet to support the deep-water oil and gas exploration activities in the Mediterranean region. The AW139 aircraft model is considered one of the best-suited models used specifically for deep-water exploration, transporting employees and equipment to offshore bases, used especially in Zohr and North Alexandria offshore fields.

With the addition of these two helicopters, PAS fleet from this type will amount to 8 helicopters, while the total fleet will amount to 44 aircrafts from different types in both fixed wing and helicopters. Gen. Yehia Hussein - PAS Chairman & Managing Director sets a fleet expansion plan to add long-range helicopters to the current fleet to serve the high demand of deep-water exploration activities, and to be consistent with the highest global standards of safety.

“SCHLUMBERGER COMBINES DEEP DOMAIN EXPERTISE WITH TRANSFORMATIVE DIGITAL TECHNOLOGIES USING THE GAIA PLATFORM, WHICH WILL ENABLE US TO ENRICH EGYPT'S SUBSURFACE DATA AND DELIVER THE EGYPT UPSTREAM GATEWAY. THIS INDUSTRY-FIRST PLATFORM WILL ACCELERATE EGYPT'S DISCOVERIES, REDUCE UNCERTAINTY, MITIGATE RISKS AND ENABLE EGYPT'S MINISTRY OF PETROLEUM AND ITS AFFILIATES TO DIGITALLY SHOWCASE THEIR ASSETS TO INVESTORS WORLDWIDE.”

**MAURICE NESSIM**  
PRESIDENT, WESTERNGECO®, SCHLUMBERGER.





# GROWTH WITH ENERGY



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## EGYPS 2020 TECHNICAL CONFERENCE ADDRESSES MANAGING RISKS, INCREASING PRODUCTION

The second day of EGYPS Technical Conference had a flow of discussions aimed at casting light over the conference's theme "North Africa and the Mediterranean: Delivering the Energy Needs of Tomorrow".

A technical session entitled "Mitigating risks and improving asset integrity" included three presentations.

The first presentation by Tarique Yusuf, Process Engineer I at Kuwait Oil Company (KOC), addressed "Managing risks to human performance for operational excellence".

Yusuf began his presentation with an introduction about the importance of Operational Excellence (OE) to the oil and gas industry.

Yusuf said that "[we have] only limited focus on human performance" which is a main element of OE, although it is the reason behind most of the disasters and risks.

Yusuf searched for solutions through adopting an approach addressing organisational factors, job-site conditions, individual behaviour and results. He also implemented risk management techniques.

He found that human actions were the cause of error in most cases.

Yusuf directed towards human performance improvement (HPI) through reducing errors and managing control during all activities noting that "when we talk about HPI, its not only when a worker touches an operator, but also when a worker touches a document that influences the plant, process and operation".

He concluded his presentation introducing some initiative he adopted for reducing errors for instrumentation system which emphasises that carrying out improvements need to necessarily involve large funds, willingness and leadership qualities to help.

The second presentation addressed "Permanent mechanical connector pipeline repair solutions as part of a contingency strategy". The speaker was Andrew Woodward, the Market Manager at Subsea Products, Connector Subsea Solutions (CSS), UK.

Woodward believes that "being reactive is significantly more expensive and resource intensive than being proactive".

Additionally, he added that mechanical connector can create pipeline connections equivalent to a good weld.

Mahmoud Hegazy, the Head of Operations at Kuwait Energy, Egypt concluded the session with a presentation on "Mitigating Risks". He introduced his idea about "operation management system (OMS) as integral part of asset management".

Hegazy explained OMS as "inhouse customised software which helps Egypt operations in many ways to overcome business, challenges, data management {and} enhance workflow efficiency, save time and save cost".

He elaborated that this system has several modules. These modules addressed data management and integrations, executive production summary, warehouse management, contract management, budget management, invoices system, tender tracking and economic calculator, and stakeholder management.

Hegazy added that OMS has second phase which presents dashboarding upgrade, calculate direct and indirect well costs, performance board, project management and it performs as analysis platform for material consumption and performance.

In another session, entitled Unlocking Potential of Mature Basins

A group of four presenters discussed how to unlock potential of mature basins in Egypt. They have shared the studies conducted on some fields to increase their production.

The first speaker was Haytham Aly Osman , Drilling Operations Department Manager at Agiba Petroleum Company. He presented an overview of Low Resistivity Low Contrast (LRLC) zone in Bahariya shaly sandstone using new interpretation and evaluation techniques.

According to him, the factors affecting LRLC reservoirs are: bed thickness, grain size, mineralogy, clay distribution and water salinity. He talked especially of Dorra field, where the first examination did not show any hydrocarbon or sandstone. He confirmed that the new interpretation and reservoir stimulation jobs have shown different results.

"We have already succeeded in identifying the low resistivity low contrast pay after we have changed our technique and methodology," he added. This resulted in enhancing productivity and overcoming the reservoir heterogeneity. "We have made different strategies for all the fields that have the same criteria not only Dorra. Dorra was only an example," he concluded.

Nader Mohamed , Section Head, Geologist at Suez Oil Company (SUOC) presented another successful study in Ras Burdan Field especially Matulla, where there was a decline in productivity. "The main challenges are increasing production, adding more



additional reserves and increasing the field's lifetime," he explained.

He analysed the new workflow implemented to increase production. Its stages are: revising old data and reports, geo-seismic interpretation, formation evaluation and integrated work and 3D model. The results of this work flow were meeting the challenges he set in the beginning of his presentation. Three unites with four bounding surfaces were discovered in Ras Budran. The study showed that Matulla has good sand reservoir quality at the lower unit. In addition, lower Matulla has average proved additional production of 500 BOPD. He concluded by stating that this workflow can be applicable in similar brown fields.

Ibrahim Attia, Senior Geophysicist, Egyptian Petroleum Holding Company, displayed his geological study on the Northwestern Red Sea and the southern Gulf of Suez. He applied seismic data conditioning, seismic attribute analysis and geological analysis of the wells.

He started discussing the results of seismic spectral blueing (SSB). "In 2016 in EGYPS conference, we introduced this workflow and unfortunately some people said it's not applicable, he explained." He said that demonstrating SSB allows for interpretation of seismically undetected fault zone.

Islam Zewain, Senior Reservoir Engineer, Gulf of Suez Petroleum Co. (GUPCO), presented a software that assists decision making. He explained that the economic evaluation team at GUPCO is concerned about examining new opportunities. He explained that "the privileges of this software are it is homemade, it gives instantaneous calculation and it respects all production sharing parameters." He clarified the steps of using the software. It starts with general input of data, then production profile and oil prices.

He added that the output includes the expected net profit. In addition, it shows the expected oil price of the gas and that will make the project successful.

The software is designed to evaluate the success or failure of a certain project or contract based on this input.







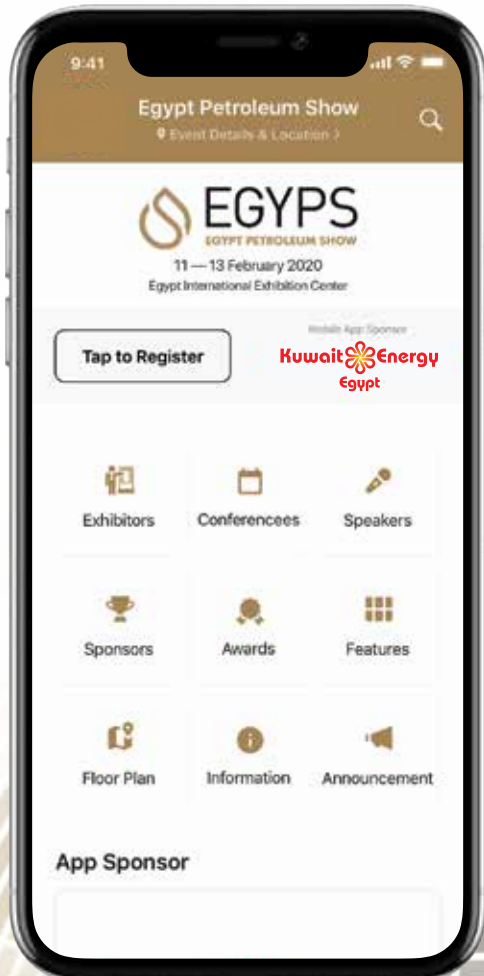
تحت رعاية فخامة الرئيس عبد الفتاح السيسي رئيس جمهورية مصر العربية  
HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



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# GALA DINNER CELEBRATES EGYPS 2020 SUCCESS

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After a full day of sessions, round tables discussion and signing ceremonies, participants of the Egypt Petroleum Show (EGYPS 2020) had the chance to mingle at the gala dinner that was a chance to share more success stories and celebrate the evolving Petroleum show.

The gala dinner sponsored by Dragon Oil, was held at Dusit Thani Lakeview Hotel on Tuesday 13 February, in the presence of H.E. Tarek El Molla, Egypt's Minister of Petroleum and Mineral Resources, alongside prominent figures in the oil and gas scene.

H.E. El Molla encouraged everyone to push forward with what they have accomplished so far.

"I am really honoured to have you all here tonight. Today was a great day, we had an important opening inauguration of the conference and the exhibition attended by H.E President El Sisi," El Molla said.

The minister thanked the attendees saying that their "presence really means a lot to us." He also took the chance to highlight the success stories achieved in Egypt through collaborations and partnerships. El Molla also referred to the importance of the Arab and African unity, as together they can further support their countries.



For his part, Christopher Hudson, President of dmG events, commended the Ministry of Petroleum and Mineral Resources as being "the guiding light to the Egypt Petroleum Show." Highlighting the success of EGYPS 2020 first day, Hudson thanked the Ministry's team "who worked tirelessly to make this show happen."

Hudson also extended his gratitude to all those who supported and contributed to turning the fourth edition of EGYPS into a reality. In this regard, he thanked the Egyptian General Petroleum Corporation (EGPC), the Egyptian Natural Gas Holding (EGAS), Ganope Petroleum Company (Ganope), and Egyptian Petrochemicals Holding Company (ECHEM). Hudson stressed that the success of the EGYPS' fourth edition would not have been possible without the support of the sponsors and speakers. He ended his speech hailing Egypt's endeavour to become a global energy hub.

Badria Khalfan, Chief HR Officer at Dragon Oil described EGYPS as one of the fast-growing conferences & exhibitions worldwide. Khalfan also highlighted the continuous and successful collaboration between UAE and Egypt, and expressed her hopes for further collaborations between the two countries in the future. She ended her speech ensuring that with the forthcoming contributions and collaborations between UAE and Egypt, there is no doubt that both countries will have a prosperous future.





Ministry of Foreign Affairs  
and International Cooperation



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MECCANICA VARIA



# ITALIAN TECHNOLOGIES FOR OIL & GAS

**EGYPS 2020** | VISIT US AT STAND **2H61 HALL 2**



HYDROSTATIC TESTING  
DIMENSIONAL CHECK  
DRYING



# HSE IN ENERGY: HIGHLIGHTING THE SECTOR'S BREAKTHROUGHS

The second day of EGYPS 2020 witnessed a whirlwind of ideas on a myriad of topics. One of those topics focused on health, safety, and environment (HSE). The HSE conference addressed the most significant issues related to promoting HSE culture and raising its awareness among employees in the oil and gas sector. This was delivered through three panel discussions, a rapid-fire session, and concluded by an HSE Excellence in Energy Awards Ceremony.

The conference began with a keynote speech by Her Excellency, Dr. Yasmine Fouad, the Egyptian Minister of Environment. Fouad focused on the global environment, explaining that overcoming all faced obstacles requires "implementing a win-win approach [which focuses on] global environmental challenges, [and proposes] some keynote solutions."

Speaking of climate change, the minister clarified that the energy sector is one of the biggest contributors to this issue. To face it, "so many things were done especially in the last five years since the Paris Agreement came into force," she said.

Fouad explained that in order to control climate change, "we need to think of it as a developmental challenge not as an environmental challenge because it hits us all in the country." She remarked that "from that perspective, we created a national council for climate change, headed by the Prime Minister." Moreover, the ministry showcased the National Appropriate Mitigation Measures which determine each sector's impact on climate change, in addition to a vulnerability assessment map that measures the effect of climate change on different areas.

Afterwards, the minister tackled biodiversity, clarifying that "there is a direct impact on diversity from the mining sector." She stressed that "it is not true to tackle biodiversity, away from the climate change, away from the land," highlighting that "from that perspective, Egypt announced a global initiative based on an ecosystem-based approach, which was announced by the Egyptian President, Abdel Fattah El Sisi in 2018, to start looking at linking climate change, biodiversity, and land degradation."

Furthermore, the minister stressed on the importance of considering all environmental aspects from an economic point of view, in regard to "how much money that a company is spending if there is a resource efficiency plan, what will happen if you convert your production into a clean technology, and how much you will save from what you are putting in this company," she explained. This message mainly aims at encouraging the creation of a platform, so that all incidents over various sectors can be managed.

## AN ENVIRONMENTAL POINT OF VIEW

The conference continued with opening remarks by Colby Fuser, Vice President for Egypt and Libya at Halliburton. Fuser pointed out that



from an environmental point of view, there is a sufficient amount of chemicals around, in addition to resources that directly impact the environment. He clarified that it is crucial that the environmental side becomes more efficient and effective. Fuser concluded his speech, stressing that "we do find somethings that happen, let us spend some more time on how to investigate them, let us spend some more time on fixing the problems and move forward."

## A PANEL TO RAISE HSE AWARENESS

Afterwards, the conference's first panel discussion commenced, in the presence of the Minister of Environment, on 'The Importance of Raising Personnel Awareness within Your Organisation.' The panel was moderated by Olav Skår, Director of Health, Safety, Security, Subsea and Wells at the International Association of Oil & Gas Producers (IOGP). The panel comprised five industry figures; Lucien Bianchi, Global Director of HSE and Service Quality at Halliburton; Ehab Ali, Chairman Assistant for HSE at Khalda Petroleum; Leigh-Ann Russell, Head of Procurement and Supply Chain Management (SCM) Upstream at BP; Sergey Peresyppkin, Director of HSE, MENAT and India at Baker Hughes; and Iman Hill, COO at Energean.

Skår initiated the discussion, stating that "as an organisation, in order to drag focus, you need to know the co-state of affairs of your business. You need to understand where you want to be," clarifying that successful leaders will manage to translate their goals into effective steps to accomplish them.

Skår asked the panellists about their approaches to accomplish their goals on HSE. Hill commented that it is important to "collaborate with each other on all aspects of safety. It is not a competitive field; for me, it is a long journey."

For Bianchi, he stated that Halliburton's main goal is accomplishing Goal Zero, which means no harm and all employees are working safely as "everyone has to have the confidence to succeed in doing his work not only on the business level, but also on the personal level."

Speaking of the vital role of human performance, Russell noted that "we want each single person who works on our facilities go back home, in the way they came to work that day. For the environment, we need to adopt the operations that will not create any unnecessary damage to the environment." She added that 80% of safety incidents are caused by the human factor, which means that their organisations' systems need to be improved.

Moreover, Russell mentioned the vital role of the International Association of Oil & Gas Producers (IOGP), in addition to importance of the life-saving rules. These will help create standards that work across the industry in a way that make it easier for employees to return home safely.

When it comes to Baker Hughes, Peresyppkin remarked that all companies share the target-zero goal, which is all about the language between the top management and employees to help boost employees' performance. This requires paying a great deal of attention to overcoming organisations' weaknesses. Thus, several elements need to be addressed including "the leadership of an organisation; they need to understand human performance and integrating activities to build the human capacity."

Speaking of HSE policies in Egypt, Ali clarified that he always starts by addressing HSE by a supportive documentation system which set the work structure and policies. In addition, he pays a great deal of attention to the life saving rules, as "top management are committed to HSE as well as accomplishing their goals." He added that in



order to change the HSE culture, it needs to be implemented by each and every member of the organisation.

### HSE LEADERSHIP

The second panel, moderated by Martin Rodriguez-Villa Foerster, Country Director, shared experiences and lessons learnt in the role of leadership when pursuing high HSE standards. The panellists held an interesting discussion on the importance of leadership commitment. Luciano Scataglini, Global Senior Knowledge Owner at Eni, said that the main characteristics of leadership are to act by example and to demonstrate commitment in all safety matters.

Discussing HSE transformations in the oil and gas sector, Mohamed Kermoud, Global Vice President HSE at Schlumberger, pointed out the effects of differential leadership styles on promoting HSE culture, noting that with leadership comes authority, but not influence. Results will not be achieved if one is not true to oneself and inspirational to others, instead of being authoritative.

Ahmed Soltan, Managing Director, Bilfinger-Tebodin, gave out practical advice on tackling the environmental impact of the industry, noting that "we need to give the same attention to the environment as we do to safety."

Chee Tsong Chok, GM Safety and Environment, Conventional Oil and Gas at Shell, advised that "if there is a culture or a behaviour that you want to promote," then organizations should be notified that this is something to you need to work on.

Moving on to the final and third panel, Irene Eleftheriou, Project Engineer/HSSE Officer at Cyprus Hydrocarbons Company, gave a presentation on driving sustainable environmental performance within the oil and gas sector.

Sarimah Talib, Head of Sustainable Development, PETRONAS gave a few remarks on the modification of operations that align with sustainability, adding that Petronas is adhering to its public commitment to reduce flaring.

On Egypt's contribution to the United Nations (UN) sustainability goals, Ahmed Abdrabo, Assistant Chief of Petroleum Central Department at the Ministry of Petroleum and Mineral Resources, said that Egypt has recognised three goals. These goals include providing affordable and clean energy, being part of the Paris agreement, and responsible production and consumption.

Ashraf Ramadan, Assistant Chairman for Environment at the Egyptian Natural Gas Holding Company (EGAS), discussed the company's car conversion noting that "we have already converted cars to use natural gas instead of liquid fuel, which led to reducing carbon dioxide (CO2) emissions."

He additionally discussed the company's projects with different international oil companies (IOCs) which add further benefits to the oil and gas sector.

### RAPID-FIRE SESSION

This was followed by a rapid-fire session, showcasing the different HSE challenges through four presentations. The first presentation was given by Ahmed Roustom, Risk Assessment and OHS Technical Studies Assistant General Manager at the Egyptian Natural Gas Company (GASCO), tackling how to avoid disasters in the utmost safe process.

The second presentation was on improving refineries' HSE performance through a holistic safety management mode. It was presented by John Fotopoulos, Refinery HSE Director at Hellenic Petroleum.

Yasser Nashaat, Deputy Managing Director for Operations and Engineering at TAQA Arabia, delivered the third presentation on developing strategies to improve road safety and decrease the number of accidents.

Lastly, Andreas Zacharia, Operations Officer Air Forces at Cyprus Joint Rescue Coordination Centre, shared international HSE best practices from international companies and neighbouring countries.

## HSE EXCELLENCE IN ENERGY AWARDS: BEST PROJECTS, LEADERS OF THE YEAR



The HSE Conference was concluded by delivering the HSE Excellence in Energy Awards. The HSE Excellence awards were divided into four categories, addressing the oil and gas sector's successful projects and leaders that aim at creating a better and safer future.

The first category of the awards was for the Best Health and Safety Project of the Year. The winner was Tamer El-Houry, HSE Specialist at Schlumberger for Modernisation of Driving

Safety in Egypt through Technology. Meanwhile, Gihan Badie, Country Health Manager at Shell, won the highly recommended project award for Care Delivers World-Class HSE Performance. For the Best Environmental Project of the Year, the winner was Hamed Sawzan, QHSE Department Head at Egyptian Bahraini Gas Derivatives Company (EBGDCo.), which he was awarded for the EBGDCo-GPC Gas sweetening and compression terminal. The winner of the highly

recommended project of the year was Radwa Taman, Senior PhD Chemical Engineer at the Gulf of Suez Petroleum Company (GUPCO) for GUPCO's Loss of Primary Containment LOPCV Management Project- Success Story.

The third and last category of the awards was for HSE Leader of the Year, and the winner was Mohamed Abdelgalil, Deputy HSE General Manager at Rashid Petroleum Company (Rashpetco).

# WOMEN IN ENERGY SESSIONS

Thursday 13 February 2020

Location: Plaza 1

**KEYNOTE ADDRESS: ROLE OF DIVERSITY IN ADVANCING INDUSTRIES AND GLOBAL ECONOMIES**

**TIMING: 09:00 - 09:15**



**Her Excellency Dr Amani Abou-Zeid**  
Commissioner of Infrastructure, Energy, ICT, and  
Tourism  
**African Union Commission**

**GENDER CHAMPIONS PANEL: GENDER CHAMPIONS PANEL: THE IMPORTANCE OF GENDER EQUALITY FOR ECONOMIC EMPOWERMENT**

**TIMING: 09:15 - 9:50**



**Shauna Olney**  
Chief of Gender, Equality and Diversity  
**International Labour Organization (ILO)**



**Gielan El Messiri**  
Country Representative & Head of Office  
**UN Women**

**PANEL: THE GREAT CREW CHANGE - WHAT IT IS AND HOW DOES IT IMPACT INCLUSION AND DIVERSITY INITIATIVES?**

SESSION SPONSOR **Schlumberger**

**TIMING: 13:00 - 14:00**



**Donna Riley**  
Vice President  
Human Resources (Upstream Regions)  
**BP**



**Susan Peterson-Sturm**  
Senior Vice President Digital Transformation  
**Wintershall Dea**



**Fabrice Bouchaud**  
Global HR Director  
Workforce Planning and Talent Development  
**Schlumberger**



**Liana Gouta**  
Group Director  
Energy Policy &  
International Relations  
**Hellenic Petroleum**

**INTERACTIVE ROUNDTABLE DISCUSSIONS :**

**TIMING: 09:00 - 09:15**

Roundtable 1: Women on Boards – the importance of a gender-diverse boardroom to optimise company performance



**Yehia El Hussein**  
Corporate Governance Project Manager  
**International Finance Corporation (IFC)**

**PANEL AND LIVE Q&A:**

**HE ROADMAP TO ACHIEVING GENDER DIVERSITY ACROSS ALL LEVELS OF THE OIL & GAS INDUSTRY**

SESSION SPONSOR **HALLIBURTON**

**TIMING: 11:30 - 12:15**



**Melissa Jones**  
Marketing & Business Development  
Operations Manager  
**Bechtel**



**Yasmine El Sayegh**  
General Manager - Commercial  
Excellence  
(Global Upstream & Integrated Gas)  
**Royal Dutch Shell**



**Tracy Josefovsky**  
Vice President Human Resources  
**Halliburton**



**Nana Sarajishvili**  
Head of Pricing - EMEA  
**Chevron**



**PANEL: YOUNG WOMEN IN ENERGY – NURTURING LEADERS OF TOMORROW**

**TIMING: 12:15 - 12:45**



**Heba Aboelnasr**  
Automotive Lubes Sales Advisor  
**ExxonMobil**



**Farida El Harouni**  
Student  
**American University in Cairo**



**Amira Mohamed**  
Student  
**American University in Cairo**



**Rim Henri**  
Wire & Perforation Field Professional  
**Halliburton**



**Eng. Nahla Gadallah**  
Chairman Assistant  
Engineering Management  
**Enppi**

**MODERATOR**

**PANEL: YOUNG WOMEN IN ENERGY – NURTURING LEADERS OF TOMORROW**

**TIMING: 12:15 - 12:45**



**Eng. Amira El Mazny**  
Independent Oil & Gas Consultant



**Manal Messiha**  
Vice President  
Customer Satisfaction & Quality  
**Schneider Electric**



**Mona Gado**  
General Manager  
Customer Affairs &  
Gas Supply Contracts  
**Egyptian Natural Gas Company (GASCO)**



**Hussam Abu Seif**  
Director & General Manager  
Egypt, Sudan and S. Sudan  
**Baker Hughes**



**Engy Adly**  
General Manager  
Licenses and Contracts  
**Gas Regulatory Authority (GASREG)**

**MODERATOR**

## WOMEN IN ENERGY AWARDS SHORTLISTED FINALISTS



### WOMEN IN LEADERSHIP

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**Enppi**



**Azza Abbas El Tarabily**  
Environment Department  
General Manager  
**Egyptian Natural Gas Company (GASCO)**



**Ghada Mohamed**  
Project Manager  
**Schlumberger**



**Nahal Khalil**  
Media General Manager  
**PETROJET**



**Tola Onoufriou**  
President  
**Cyprus Hydrocarbons Company**



### NEX-GEN FEMALE OF THE YEAR

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**Apache**  
EXPLORING WHAT'S POSSIBLE



**Dena Hegab**  
Drilling Engineer  
**BP**



**Heba Aboelnasr**  
Sales Advisor  
**ExxonMobil**



**Radwa Taman**  
Senior PhD Chemical Engineer  
**Gulf of Suez Petroleum Company (GUPCO)**



**Rim Magdi**  
Wireline Evaluation and Perforations Field Professional  
**Halliburton**



### STEM STAR OF THE YEAR

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**Baker Hughes**



**Amira Mohamed**  
Student  
**American University in Cairo**



**Nourwanda Serour**  
PhD Student and Research Assistant  
**Egypt Japan University of Science and Technology**



**Farida Elharouni**  
Student  
**American University in Cairo**



**Ranim Hisham**  
Petroleum Engineering Student  
**Cairo University**



### EMPLOYER OF THE YEAR CHAMPIONING INCLUSION & DIVERSITY

**HALLIBURTON**

**Kuwait Energy**  
Egypt

**Schlumberger**



# FINANCE & INVESTMENT SUMMIT

As Egypt develops its vast oil and gas reserves, new projects and new opportunities arise for oil and gas majors to tap into. As such, companies look to invest and develop these projects to further expand their portfolios and market position. New financing methods are also becoming available, such as different lending options, IPOs and access to different sources of capital.



Thursday 13 February 2020  
PLAZA 2 ROOM 6

## OPENING KEYNOTE

ACCELERATING INVESTMENTS TO FUEL NATIONAL GROWTH - THE EGYPTIAN STORY

TIMING: 10:00 - 10:15



**His Excellency Dr Mohamed Ahmed Maait**  
Minister of Finance  
Arab Republic of Egypt

## PANEL

THE BIG PICTURE - INSIGHTS INTO GLOBAL OIL & GAS INVESTMENT AND FINANCING

TIMING: 10:15 - 11:00



**Helmy Ghazy**  
Managing Director  
Head of Global Banking  
– Egypt  
HSBC



**Regis Monfront**  
Deputy CEO  
Credit Agricole Corporate  
& Investment Bank



**Thomas Hardy**  
Acting Director  
US Trade and  
Development Agency  
(USTDA)



**Panos Benos**  
Chief Financial Officer  
Energean



**Karim Badawi**  
Vice President & Managing  
Director - Egypt &  
Mediterranean  
Schlumberger



**Dr Farouk Soussa**  
Vice President  
Economic Research  
(MENA)  
Goldman Sachs

MODERATOR

## KEYNOTE

OVERCOMING UNCERTAINTY – A ROADMAP TO EFFICIENT ENERGY INVESTMENTS

TIMING: 11:00 - 11:15

## PANEL

THE EVOLVING DYNAMICS OF OIL & GAS PRICING AND ITS INFLUENCE ON HYDROCARBON INVESTMENT DECISIONS



TIMING: 11:15 - 12:00



**Anne-Sophie Corbeau**  
Head of Gas Analysis  
BP



**Rene Awambeng**  
Director & Global Head of Client Relations  
African Export-Import Bank



**Eric Swanson**  
Vice President Corporate Development  
Halliburton



**Edward Bell**  
Senior Director Market  
Economics  
Emirates NBD

MODERATOR



## PANEL

### THE IMPORTANCE OF GOVERNMENT PARTNERSHIPS TO DRIVE FOREIGN INVESTMENTS IN THE OIL & GAS INDUSTRY

**TIMING: 13:00 - 14:00**



**Steve Lutes**  
Vice President  
Middle East Affairs  
**US Chamber of Commerce**



**Oliver Richards**  
Country Director  
**Department for International Trade (DIT - UK)**



**Jasmine Wahhab**  
Commercial Counsellor and  
Senior Trade Commissioner  
**Global Affairs Canada**



**Philippe Garcia**  
Commercial Counsellor and  
Director - Egypt  
**Business France**



**Dr Bassem Kamar**  
Lead Economist -  
Southern and Eastern  
Mediterranean  
**European Bank for Reconstruction and Development (EBRD)**

**MODERATOR**

## PANEL

### STRIKING THE BALANCE BETWEEN PROFITS AND PRODUCTION GROWTH – A CFO'S OUTLOOK

**TIMING: 14:00 - 15:00**



**Ahmad Ali bin Obood**  
Chief Financial Officer  
**Dragon Oil**



**Hala Borai**  
Vice President Financial and Commercial  
Affairs  
**Egyptian Natural Gas Company (GASCO)**



**Tameer Nasser**  
Chief Financial Officer North Africa  
**Baker Hughes**



**Ahmed Abdel Fattah**  
Head of Finance  
**Kuwait Energy Egypt**

**15:00 - 16:00**

**INTERACTIVE ROUNDTABLE DISCUSSIONS**

## ROUNDTABLE 1

Reducing CAPEX and OPEX through data and technologies



**Ben Oudman**  
Director – CEMIEA,  
Oil & Gas  
**DNV GL**

Financial executives are shifting the focus to a value-driven analysis of their assets. This has become even easier with the use of digital investments that pave the way for optimised spending on capital and operational expenses.

How crucial have digital technologies become and what other benefits do they hold for the oil and gas industry?

- Process and business optimisation using big data analytics and artificial intelligence
- Cloud and cybersecurity technologies to reduce operational (digital) risk
- Enhancing production and distribution using Internet of Things (IoT)

### Attendee Insights

An open discussion for Chief Financial Officers, Chief Investment Officers, Chief Information Officers, Chief Digital Officers and Heads of Finance to gain first-hand insights on the impact of digital technologies in the oil and gas business.

## ROUNDTABLE 2

Steering investments to achieve economic sustainability

As Egypt plans to invest billions in developing its hydrocarbons sector, the government is taking several initiatives to encourage international investments in its oil and gas industry.

What can IOCs expect in the coming years in terms of regulations, policies as well as funding from the national banks?

- Allocation of blocks in the western Mediterranean region
- The initiatives of the Ministry of Finance for the petroleum industry
- Egypt's Oil and Gas Hub Strategy and the footprint it will leave in the regional oil and gas trade

### Attendee Insights

A key discussion for Chairmen, Country Heads, CEOs, Chief Financial Officers, Chief Strategy Officers, Chief Risk Officers, and other board members to find out the latest initiatives of the Government of Egypt in the oil and gas industry.

# SCHEDULE OF CONFERENCES

<b>15 TECHNICAL CATEGORIES</b>	 Exploration: Reservoir Characterisation (EXPL)	 Health, Safety and Environment (HSE)
 Offshore and Marine Technology and Operations (MAR)	 Completions (COMPL)	 Drilling (DR)

		PLAZA 1		PLAZA 2				
		ROOM 1	ROOM 2	ROOM 4	ROOM 5			
TECHNICAL SESSIONS	THURSDAY 13 FEBRUARY	10:00 - 11:30	Session 25: Occupational health and safety	Session 26: Offshore and marine technologies	Session 27: Petroleum system challenges	Session 28: Drilling optimisation		
		11:30 - 13:00	Session 29: Environment and sustainability	Session 30: Stimulation and sand management	Session 31: Rock physics insights	Session 32: Successful drilling case studies		
		14:00 - 15:30	Session 33: Ensuring utmost process safety	Session 34: New completions technologies	Session 35: Seismic surveys and technologies	Session 36: Drilling technology advancements		
FINANCE & INVESTMENT SESSIONS	THURSDAY 13 FEBRUARY	10:00 - 10:15	10:15 - 11:00	11:00 - 11:15	11:15 - 12:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00
		Opening keynote Accelerating investments to fuel national growth - the Egyptian story	Panel The big picture - insights into global oil & gas investment and financing	Keynote Overcoming uncertainty – a roadmap to efficient energy investments	Panel The evolving dynamics of oil & gas pricing and its influence on hydrocarbon investment decisions	Panel The importance of government partnerships to drive foreign investments in the oil & gas industry	Panel Striking the balance between profits and production growth – a CFO's outlook	Interactive Roundtable Discussions
WOMEN IN ENERGY SESSIONS	THURSDAY 13 FEBRUARY	09:00 - 09:15	09:15 - 09:50	09:50 - 10:30	10:30 - 11:15	11:30 - 12:15	12:15 - 12:45	12:45 – 13:30
		Keynote address Role of diversity in advancing industries and global economies	Gender Champions Panel The Importance of Gender Equality for Economic Empowerment	Panel The Great Crew Change - what it is and how does it impact inclusion and diversity initiatives?	Interactive Roundtable Discussions	Panel and Live Q&A The roadmap to achieving gender diversity across all levels of the oil & gas industry	Panel Young women in Energy – Nurturing leaders of tomorrow	Closing Panel Advancing women in Egypt: where are we in this journey and how much further do we need to go?
		15:00 - 16:45 Women in Energy Awards Ceremony						



# TECHNICAL SESSIONS IN FOCUS

Spanning upstream, midstream and downstream sectors of the oil and gas value chain, EGYPS 2020 Technical Conference has been created after a thorough two-stage review by the Technical Committee, comprising of 81 oil and gas specialists.

The conference programme features 144 experts speaking at 36 sessions, as well as two full days of e-poster presentations, and covers the

latest research findings, industry trends and challenges, new project developments, state of the art technologies, as well as industry best practices. The topics range from exploration, field development and drilling to project management, operational excellence and HSE, not forgetting refining and petrochemical developments, biofuels, gas processing and digitalisation.



## Day 3 Thursday 13 February 2020

Time: 10:00 - 11:30



**CATEGORY: HEALTH, SAFETY AND ENVIRONMENT (HSE)**  
**SESSION 25: OCCUPATIONAL HEALTH AND SAFETY**  
**LOCATION: PLAZA 1, ROOM 1**



**CATEGORY: OFFSHORE AND MARINE TECHNOLOGY AND OPERATIONS (MAR)**  
**SESSION 26: OFFSHORE AND MARINE TECHNOLOGIES**  
**LOCATION: PLAZA 1, ROOM 2**

Time: 10:00 - 11:30



**CATEGORY: EXPLORATION: RESERVOIR CHARACTERISATION (EXPL)**  
**SESSION 27: PETROLEUM SYSTEM CHALLENGES**  
**LOCATION: PLAZA 2, ROOM 4**



**CATEGORY: DRILLING (DR)**  
**SESSION 28: DRILLING OPTIMISATION**  
**LOCATION: PLAZA 2, ROOM 5**

Time: 11:30 - 13:00



**CATEGORY: HEALTH, SAFETY AND ENVIRONMENT (HSE)**  
**SESSION 29: ENVIRONMENT AND SUSTAINABILITY**  
**LOCATION: PLAZA 1, ROOM 1**



**CATEGORY: COMPLETIONS (COMPL)**  
**SESSION 30: STIMULATION AND SAND MANAGEMENT**  
**LOCATION: PLAZA 1, ROOM 2**

Time: 11:30 - 13:00



**CATEGORY: EXPLORATION: RESERVOIR CHARACTERISATION (EXPL)**  
**SESSION 31: ROCK PHYSICS INSIGHTS**  
**LOCATION: PLAZA 2, ROOM 4**



**CATEGORY: DRILLING (DR)**  
**SESSION 32: SUCCESSFUL DRILLING CASE STUDIES**  
**LOCATION: PLAZA 2, ROOM 5**

Time: 14:00 - 15:30



**CATEGORY: HEALTH, SAFETY AND ENVIRONMENT (HSE)**  
**SESSION 33: ENSURING UTMOST PROCESS SAFETY**  
**LOCATION: PLAZA 1, ROOM 1**



**CATEGORY: COMPLETIONS (COMPL)**  
**SESSION 34: NEW COMPLETIONS TECHNOLOGIES**  
**LOCATION: PLAZA 1, ROOM 2**

Time: 14:00 - 15:30



**CATEGORY: EXPLORATION: RESERVOIR CHARACTERISATION (EXPL)**  
**SESSION 35: SEISMIC SURVEYS AND TECHNOLOGIES**  
**LOCATION: PLAZA 2, ROOM 4**



**CATEGORY: DRILLING (DR)**  
**SESSION 36: DRILLING TECHNOLOGY ADVANCEMENTS**  
**LOCATION: PLAZA 2, ROOM 5**

The second edition of the Youth Engagement Programme takes place at the Egypt Petroleum Show (EGYPS) from 11-13 February 2020.

The EGYPS Youth Engagement Programme provides an onsite learning platform, engaging with high school students within the framework of STEM education focusing on Science, Technology, Engineering and Mathematics, to ultimately encourage them to pursue careers in the oil and gas industry.



HEADLINE SPONSOR

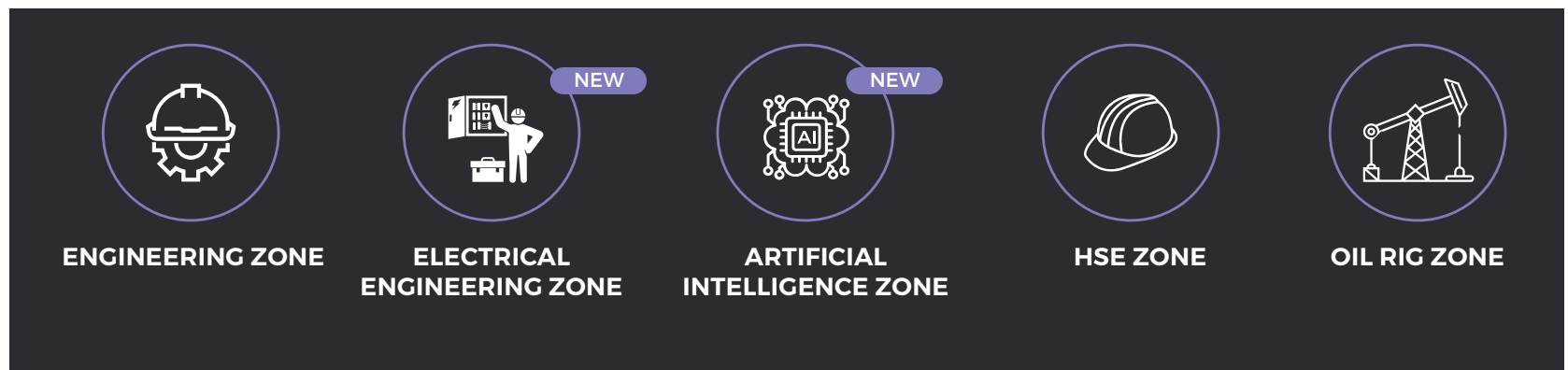


ZONE SPONSORS



VISIT THE YOUTH ENGAGEMENT PROGRAMME IN HALL 1

## THE PROGRAMME OFFERS 4 EXPERIENTIAL AND EDUTAINMENT ZONES



## OBJECTIVES

- 01 Provide a focused learning platform at the region's leading Oil and Gas Show, where high school students can gain further insights into the framework of STEM education including Science, Technology, Engineering and Mathematics
- 02 Create a connection and put into context; the oil and gas industry and everyday life
- 03 Introduce students to future oil and gas career and employment opportunities
- 04 A platform for today's energy leaders to connect and engage with the next generation workforce
- 05 Light the spark of student interest and get them thinking about their education, future career and industry choices



**Treasure Hunt**  
(Exhibition tour)



**Experiential and**  
**Edutainment Zones**



**Industry Field Trips**  
New for 2020

## INDUSTRY FIELD TRIPS NEW

Students will participate in a number of field trips including, oilfields, training and innovation centres and workshop facilities.

EGYPS Youth Engagement Programme recognises the benefits of learning; these field trips are invaluable in providing hands-on experience for students to further understand what it means to choose a career in the oil and gas sector.

## TREASURE HUNT

Students are invited to take part in a 30 minute treasure hunt game on the EGYPS exhibition floor.

The game provides an invaluable opportunity for students to meet with exhibiting oil and gas experts and gain insights into the oil and gas industry and what a future career could mean for them.





EXHIBITOR: BECHTEL

STAND: 3F48 | HALL: 3

## BECHTEL FOSTERS LONG-TERM PROGRESS, ECONOMIC GROWTH

Bechtel is one of the most respected global engineering, construction, and project management companies. Together with our customers, we have succeeded in delivering landmark projects that help foster long-term progress and economic growth.

Since 1898, we have completed more than 25,000 extraordinary projects across the 160 countries of the seven continents. We operate through four global businesses: infrastructure, nuclear, security and environment, oil and gas, chemicals, and mining and metals.

Our company and our culture are based on more than a century of leadership and a relentless adherence to our values. Their core is based on safety, quality, ethics, and integrity. These values are what we believe, what we expect, what we deliver, and what we live.

Bechtel is privileged to work in Egypt for over 40 years, developing several mega projects in the petroleum, infrastructure, power, commercial buildings, telecommunications, industrial, and energy sectors.

Bechtel's objective in Egypt is to provide services with the highest quality. This is accomplished through using the best worldwide technical resources combined with talented and trained national staff. Bechtel is committed to continuing our long working association in Egypt. We believe that the development of the Egyptian market and local workforce capability will enable achieving long-term successes.

We consider our customers' projects as an investment in the local community's future. Through strong collaboration with our customers, we can help economies to grow, connect and empower communities, improve access to energy and resources, connect citizens to vital services, and make the world a safer and cleaner place.

All guests and exhibitors of EGYPS 2020 are invited to visit the Bechtel booth to learn more about our footprint in the Egyptian market, and our plans to extensively expand our presence in Egypt's Petroleum sector.



EXHIBITOR: ANOPC

STAND: 3D15 | HALL: 3

## ANOPC TO SHOWCASE ITS HYDROCRACKING COMPLEX

Assiut National Oil Processing Company (ANOPC) is proudly introducing its megaproject, Assiut Hydrocracking Complex (AHC). AHC is a zero-fuel-oil and a deep conversion refining plant for processing the 'bottom of barrel' based on Euro-V configuration.



AHC will highly contribute to the development of the Egyptian oil refining capacities by converting low-value products into highly demanded valuable ones. This \$2.5 billion project will help increase the production of medium distillates to bridge the gap in Upper Egypt's local market. Moreover, the project will be executed via financed engineering, procurement and engineering (EPC) contracts, and it will offer various opportunities for investors of different schemes.

This strategic national project will achieve desirable benefits. From an economic perspective, AHC will adopt value-adding operations of converting a low-value product (2.5MTPA fuel oil) into a high-valued one (Euro-V Diesel 2.8MTPA, LPG 100KTPA and Naphtha 400KTPA, in addition to Coke 300KTPA and Sulphur 66KTPA as by-products). Additionally, the project helps maximise the company's availability in local market, while optimising foreign currency spent on importing such products.

From a social perspective, AHC will contribute to the development of Upper Egypt and local communities by providing many direct and indirect employment opportunities during the implementation and operation lifespan, while expanding horizons for local development.

From safety and environmental perspectives, AHC will mitigate the risk of transporting petroleum products from the north to Upper Egypt areas. Furthermore, AHC will also provide state-of-art; health, safety and environment (HSE)-focused, and environment-friendly designs for ensuring streamlined operations and petroleum products that comply with the highest international standards, in addition to adopting value-improving practices such as waste minimisation and zero-liquid discharges, energy optimisation, emissions control, digitalisation, etc.

AHC, the new player in the Egyptian refining market, is offering highly attractive opportunities in several business domains.

EXHIBITOR: MIDOR

STAND: 3D40 | HALL: 3

## MIDOR: EGYPT'S MOST ADVANCED REFINERY IN AFRICA, MEDITERRANEAN

The Middle East Oil Refinery (MIDOR) is an Egyptian company established in 1994, and it is considered Egypt's leading oil refinery. MIDOR is one of the most advanced refineries in Africa and the Mediterranean reaching a standard of 12.1, according to Nelson complexity Index.

The refinery's designed capacity is 4.8 million tonnes per year. After the first phase of expansions, the capacity reached 5.5 million tonnes per year. MIDOR has eight units licensed by international companies. The hydrocracker unit licensed by UOP, with a capacity of 33,500 barrels per day (bbl/d) and the delayed Coker licensed by Conoco Bechtel, with a capacity of 25,650 bbl/d.

Additionally, MIDOR has an average annual production capacity of 140,000 tonnes of liquefied petroleum gas (LPG), a million tonne of high-octane gasoline, 900,000 tonnes of jet fuel, 2.1 million tonnes of diesel, 400,000 tonnes of coke, and 80,000 tonnes of sulphur. Moreover, it exports various products to international markets through integrated export facilities at its own jetty at Dekheila port.

Furthermore, MIDOR's second phase of expansions aims to increase the refinery's capacity by 60%, above the 100,000 bbl/d designed capacity and the 15% increase of the first phase of the expansions. Additionally, it will maximise the production of middle distillates to fulfil the increase in domestic consumption of petroleum products and meet the Euro-5 specifications.

MIDOR plans to increase its annual production after expansions to reach 280,000 tonnes of LPG, 1.6 million tonnes of high-octane gasoline, 2.2 million tonnes of jet fuel, 2.8 million tonnes of diesel, 5 million tonnes of total jet fuel and diesel.

Visitors are welcomed at our booth to get acquainted with our products, our various activities, as well as the new updates on our projected expansions.



EXHIBITOR: WINTERSHALL DEA

STAND: 3B60

HALL: 3

## WINTERSHALL DEA ANTICIPATES A STRONG FUTURE FOR EGYPT

Wintershall and Dea have succeeded in becoming Wintershall Dea, Europe's leading independent crude oil and natural gas company. Created out of two German companies, Wintershall Dea offers various solutions to face some of humankind's major challenges.

After their successful merger, Wintershall Dea has exploited its pooled power to be properly positioned on the international market. Backed by its expertise, Wintershall Dea presents its technological know-how and innovativeness. Wintershall Dea has developed its technologies to improve its exploration and production (E&P) activities for more reserves. This will help the company achieve its main goal, which is to meet the rising global demand.

Egypt Petroleum Show (EGYPS) is considered the most important get-together event for all oil and gas companies operating in the Mediterranean and North Africa region. This event pays a great deal of attention to Egypt's transformation into a regional energy hub.

EGYPS is a significant event in the Wintershall Dea's calendar. For the first time, we are taking part in such a prominent event. Our company has a long history in Egypt and sees a strong future for the country.

During EGYPS, Wintershall Dea welcomes visitors at its 120 square metres (sqm) stand in Hall 3. The company will be presenting itself with a new branding, in addition, Wintershall Dea will speak of its Egyptian portfolio which includes E&P activities at Disouq in the Nile Delta, the Gulf of Suez, and the West Nile Delta project, operated by BP. Moreover, Wintershall Dea is going to introduce its activities in 13 countries around the globe.

It is worth mentioning that our CEO Mario Mehren will take part in a global business leader panel session on the topic, 'The Importance of Forward-Looking Partnerships to Deliver Growth Aspirations.' The panel will take place on Tuesday, February, 11, 2020.



EXHIBITOR: NPO RIZUR

STAND: 2L30

HALL: 2

## NPO RIZUR PRESENTS HIGH-QUALITY EQUIPMENT

NPO RIZUR, founded in 1997, is a production facility of explosion-proof and control equipment. Between now and then, the company has earned a good reputation as a trusted partner and supplier.



During EGYPS 2020, NPO RIZUR plans to present its high-quality equipment, reinforced fiberglass enclosures RizurBox-C, soft enclosures Rizur, pre-insulated impulse tubes RizurPak, bypass magnetic level gauge Rizur-NBK, ultrasonic level switch Rizur-900.

Enclosures RizurBox-C are designed for the placement of control and measuring equipment. They are weather-resistant enclosures made for protection against low temperatures, condensation, precipitation, dust, chemicals, physical damage, unauthorised access, theft, etc.

Heat-insulated soft enclosures RIZUR are designed for protecting all kinds of equipment (instrumentation and control, shut-off and control valves, etc.) from adverse environmental factors. Soft enclosures are widely used in oil and gas facilities in the northern areas because of being the most cost-effective and high-quality solution for equipment heating.

Impulse tubes and tubing bundles RizurPak are a safe solution when working with process lines of small diameter, sample lines and impulse tubes in adverse operating conditions. Their performance is excellent when there is condensation, freezing, equipment failure or liquid viscosity increase caused by low temperatures.

Bypass magnetic level gauges RIZUR-NBK are used for continuous measurement and control of liquid level in vessels in a wide range of climatic conditions. Their operating principle is based on the law of interconnected vessels, which means that the liquid level in the bypass pipe of the device will be equal to the liquid level inside the tank.

Ultrasonic level switches RIZUR-900 are designed to control the level of liquids in open or closed tanks, including the ones under pressure, in processing units at industrial facilities. It can also be used as an indicator of liquid presence/absence at a predetermined height of the tank.

EXHIBITOR: SHOTEC

STAND: 2H48

HALL: 2

## SHOTEC OFFERS NICHE PRODUCTS, SERVICES

Shotec is an engineering and trading company active in Egypt since more than 22 years. Throughout these years, Shotec has



been serving the oil and gas industry, in addition to other markets, by supplying niche products and services to our clients with all required quality management, health and safety certifications, as well as all technical expertise and approvals.

Our product range covers pumps, gas compressors, electric motors, couplings, seals, tank accessories, loading arms, ball valves, piping bulk materials, heat exchangers, air coolers and cooling towers.

Shotec service centre in the 6th of October city is an authorised local service workshop for NETZSCH Germany progressive cavity and multi screw pumps and LEWA Germany for industrial diaphragm metering pump and chemical injection packages.

In our booth at EGYPS 2020, we present the following to our partners:

PM Piping Germany: Located in over 40 countries across five continents, PM Piping is a market leader in the supply of steel, pipes and piping materials to projects worldwide.

GWC Italy: with history of 40 years is specialised in Trunnion Mounted Ball Valves (soft and metal seated), split body, top entry, welded body, subsea, cryogenic and high temperature, and twin ball (DB & B).

NETZSCH Germany: are experts in pump solutions for over 60 years. Its product range covers progressive cavity pumps, rotary lobe pumps, multi screw pumps, grinding and barrel emptying systems.

LEWA Germany: has more than 65 years of experience. We design and manufacture industrial diaphragm metering pumps and chemical injection packages, as well as odorising units for oil and gas, chemical and petrochemicals and other markets.

In the exhibition, we are introducing our new following partners as well:

- Alfa Laval Olmi Italy for process heat exchangers and air coolers
- SCAM TPE Italy for cooling towers.



EXHIBITOR: GANOPE

STAND: 3A30 | HALL: 3

## GANOPE TO MAXIMISE EGYPT'S OIL PRODUCTION



South Valley Egyptian Petroleum Holding Company (Ganope) is one of the main entities in the Egyptian petroleum sector. Ganope was created according to the Prime Minister's decree number 1755 of the year 2002, and pursuant to law number 203 of the year 1991 and its amendments. Ganope is supervising and managing all petroleum activities under latitude 28°.

Since its establishment, Ganope has launched several international bid rounds resulted in 28 concession agreements issued by laws; of which 16 agreements are currently ongoing with six development leases,

in addition to three other agreements under ratification.

During EGYPS 2020, we plan to declare three main achievements. First, we will announce the results of the offshore international bid round launched in 2019, in addition to declaring winners.

Second, we will commence the implementation and roll-out of the onshore Upper Egypt multi-client project, resulted from the contract signed in October 2019 between Ganope and TGS and its associated AustinBridgeport (ABI). ABI acquires an integrated program including the implementation of a gravity survey using the European Financial Transparency Gateway (EFTG) technique, in addition to aeromagnetic and lidar surveys to be applied for the first time in Egypt

Third, Ganope and WesternGeco will launch the second phase of the offshore Red Sea multi-client project through clarifying a road map that includes future exploration activities.

Finally, in conjunction with the company's efforts, Ganope strives to achieve its main goal which is to increase Egypt's oil discoveries and maximise the current fields' production. Moreover, Ganope is fulfilling its commitments with concessionaires by following up on exploration activities and supervising development operations. Additionally, Ganope supervises 10 joint venture (JVs) with the Egyptian General Petroleum Corporation (EGPC), in addition to other six companies resulting from Ganope's agreements.

EXHIBITOR: FILTRATION

STAND: 2F40 | HALL: 2

## FILTRATION OFFERS SCAM FILTERS FOR COMPLEX ISSUES

SCAM filters offer efficient solutions to deal with the most complex issues of liquid filtration. These filters provide low operating costs as they do not use any consumables and require only few maintenances. These filters is a sign of Filtration's reactivity in design and the reliability of its equipment.



Additionally, SCAM filters are highly efficient in the separation of solid/liquid and the vessels are so robust. Some customers have had SCAM filters installed on their processes for over 40 years. Moreover, Filtration's engineering department is filled with a strong culture of field experience thanks to SCAM filters' teams of technicians and sales.

Furthermore, the company is working on designing, manufacturing and selling a wide range of products including metallic baskets and metallic cartridges, self-cleaning filters, cartridges, filters' bags, and vessels.

With an eye on fulfilling our customers' needs, we take into consideration international standards, specifications, and directives to design made-to-measure filtration solutions which can be adapted by each customer.

In our company, we offer a range of self-cleaning filters that cover a large scale of viscosity levels in order to serve all the industry's sectors regarding their liquid filtration issues. Besides, we are exporting to more than 25 countries each year, and we have 30 years of experience in dealing with the GCC countries

It is worth noting that Filtration obtained several certifications including all SCAM filters devices that comply with the European Directive 97/23/EC (PED), construction according to manufacturer standard or CODAP 2010, ASME, U-STAMP, filters comply with the Customs Union Technical Regulations requirements and may be GOST certified on request (CU TR Declaration of Conformity for Russia, Kazakhstan and Belarus), in addition, SCAM filters are ISO 9001 certified since 2005.

## COMMITTED TO ENERGY EFFICIENCY

Total invests over \$1 billion a year in R&D

#MakeThingsBetter  
total.com



**TOTAL**  
Committed to Better Energy

EXHIBITOR: ENPEDCO

STAND: 3G40 | HALL: 3

## ENPEDCO REINFORCES EGYPT'S OIL AND GAS SECTOR

The Egyptian National Petroleum for Exploration and Development Company (ENPEDCO) is an Egyptian shareholding company established in 2017. ENPEDCO was founded as result of the cooperation between the National Service Projects Organisation (NSPCO), holding 70% stakes, and the Egyptian petroleum sector represented by the Egyptian General Petroleum Corporation (EGPC) with a 20% stake, and the General Petroleum Company (GPC) owning the remaining 10%.

ENPEDCO's goal is to develop and improve energy resources to achieve its development plans and increase the national income, build a new generation of professionals to explore and develop

the production of hydrocarbons, participate in securing energy supplies with reasonable prices, and work with international companies to develop the Egyptian petroleum resources.

Furthermore, our main mission is to explore and evaluate our concessions for more hydrocarbons, develop and enhance the productivity of the Egyptian brownfields, and participate in petroleum projects to support the Egyptian economy.

ENPEDCO is specialised in developing upstream activities. For exploration, we evaluate subsurface structures and determine potential drillable prospects, integrates available data, and mitigates risks to improve drilling operations.

For drilling, the company plans for its operations using cutting edge technologies and applications, in addition to performing continuous monitoring while the execution of planned programmes, taking into consideration continuous coordination with all operations' disciplines.

When it comes to fields' development, ENPEDCO determines the number of wells required to meet the forecast production, facilitates all designs for production processes, and develops wells with all required operations, equipment, and specialists. For better production rates, the company optimises production through defining adequate treatment, managing its reservoirs, as

well as producing different components from the recovered hydrocarbons.

It is worth mentioning that ENPEDCO's concessions are South East Ras Qattara, South East Abu Sennan, West Wadi EL Rayan field, South West Alamein, and South West Umbaraka.



EXHIBITOR: EDC

STAND: 2D20 | HALL: 2

## EDC PROVIDES QUALITY DRILLING, WORKOVER SERVICES

The Egyptian Drilling Company (EDC) is one of the leading drilling contractors in the Middle East and North Africa (MENA) region since 1976. It is superior in providing quality drilling and workover services, offshore and onshore, to major oil and gas companies, in addition to managing and operating around 70 rigs. EDC has over 40 years of heritage based on safety and operational excellence.



The main driving force and asset behind our strong operations is our employees. We work with 98% Egyptian talents, and have over 60,000 experienced personnel who are ready to serve our clients.

EDC aims to offer first-class drilling services to the industry, as well as providing a safe and healthy workplace for its employees, clients and the communities it operates in; as health, safety and environment (HSE) is an integral part of its culture.

EDC is certified for ISO 14001, ISO 9001, ISO 45001 and recently was awarded the API Q1 certification. We are also a proud member of the Dropped Objects Prevention Scheme (DROPS), the International Association of Drilling Contractors (IADC), and the Lifting Equipment Engineering Association (LEEA).

Furthermore, we have an active participation in several corporate social responsibility (CSR) activities. Our organisation continues to support the community through conducting regular campaigns to promote voluntary blood donation.

Additionally, we have commenced a development programme for university students in 2018 to bridge the gap between the educational environment and the actual work environment.

EDC keeps a close eye on the market to be updated on its needs and demands by maintaining, developing and upgrading its equipment and systems. Moreover, we work on obtaining new rigs with latest technologies, not only to upgrade our fleet but also to raise the benchmark of the drilling industry in our markets.

EXHIBITOR: AL HASHEMIAH

STAND: 2D70 | HALL: 2

## AL HASHEMIAH: LEADING ENGINEERING, PROCUREMENT, CONSTRUCTION AND PROJECT MANAGEMENT COMPANY

Al Hashemiah International Contracting Company specialises in providing civil and electro-mechanical construction services in projects in the fields of oil and gas, power generation, petrochemicals, chemicals, water treatment plants, fertilisers factories and other industrial projects.



Moreover, we provide services for the fabrication of boilers, piping, pressure vessels, tanks, steel structure, condensers, economisers, and heat exchangers, in addition to exporting these services to countries like the US, Australia, Netherlands, Spain, Venezuela, Turkey, the UAE .....etc. through our clients including GS, Metito, SIEMENS, RWE, MITSUBISHI, HITACHI, ALSTOM, ThyssenKrupp, Tecnimont, Orascom, Danieli,...etc.

Furthermore, we have two qualified workshops located in Alexandria and Gamasa in Egypt, and we are certified by ASME "S, PP, U, U2 and National Board R Stamp," as well as ISO 9001, ISO 14001, ISO 45001.

Our main vision is to become a leading engineering, procurement, construction (EPC) and project management company by improving the quality of our products and services. Also, we believe that our responsibility extends beyond business. Thus, we invest as well in the communities where we operate.

Additionally, we are working according to basic values as we aim to offer our services with the highest standards and we are ready to cope with any improvements. Additionally, we treat our employees equally, and we treat our customers fairly and honestly. Furthermore, we are keen on providing new ideas to stimulate discovery and foster innovation. By this way, we take a full responsibility for our actions to find best solutions for our clients that best suit their goals.

So, regardless of whether you are an owner, designer, engineer, tenant, broker, subcontractor, or supplier, you are a respected member of our team.



EXHIBITOR: ETHYDCO

STAND: 3G20 | HALL: 3

## ETHYDCO SHOWCASES ADVANCEMENTS IN PRODUCING POLYETHYLENE

The Egyptian Ethylene and Derivatives Company (ETHYDCO) participates for the fourth time in a row in EGYPS 2020. In this year's edition, ETHYDCO aims to reflect its future vision for developing the Egyptian petrochemical sector under the umbrella of the Ministry of Petroleum and Mineral Resources.

To implement our vision, the company's main goal is to showcase the role of the petrochemical industry in Egypt in the production of polyethylene, an Egyptian material, with high-quality, in addition, it succeeded in penetrating global markets and competing with the European and American polyethylene materials.

Our booth demonstrates ETHYDCO's identity, and you will find our qualified and highly cooperative team ready to respond to any clarifications or questions from our visitors.

Additionally, the booth's visitors will know more about the successful work system that was initiated, in collaboration with Egyptian youth, leading to boosting the polyethylene production capacity in Egypt. The production of such materials contributes to reducing imported ones, in

pursuit of self-sufficiency in polyethylene materials.

Moreover, our visitors will find both promotional and informative materials about the company's products in global markets. ETHYDCO's framework of future goals is mainly based on increasing the production capacity and making the best use of available resources.



EXHIBITOR: SCHNEIDER

STAND: 2B50 | HALL: 2

## SCHNEIDER TO CREATE BLUEPRINT FOR ENHANCING EGYPT'S ENERGY FUTURE

In 2020, Schneider Electric is going to participate in EGYPS aiming to create a blueprint for the future of the Egyptian energy sector, in addition to bolstering its cooperation opportunities in the Egyptian industry.

Schneider Electric has many contributions to energy projects executed in Egypt including supplying the giant Zohr natural gas field with 100% locally produced electricity equipment, which was manufactured by Schneider Electric's regional factory in Badr city. In addition to that, Schneider works on the West Nile Delta gas field, Abu Redis petroleum fields, the Egyptian Ethylene and Derivatives Company's (ETHYDCO) petrochemical complex, and the Arab Petroleum Pipelines Company (SUMED) Sokhna terminal storage capacity expansion.

With the target of expanding industrial infrastructure of energy projects in Egypt and increasing their flexibility, scalability and sustainability, Schneider Electric utilises the best-in-class information technologies (IT) and advanced software developments in all of its energy projects in the Egyptian market.

With an eye on EcoStruxure™ platform, it is one of Schneider Electric's integrated solutions to manage and automate oil and gas projects, as well as enabling complete integration and transparency between applications and control unit.

EcoStruxure™ platform represents the company's latest innovation in the field of digitising daily operations, in order to attain peak sustainability rates in Schneider's current strategies and processes, and increase its long and short-term profitability.

Furthermore, EcoStruxure™ is considered a green eco-friendly strategy that aims to achieve both sustainability and profitability at the same time. In addition to that, it is an open platform that allows integration between connected systems and various technologies in one ecosystem. Besides, it deploys latest global cybersecurity, cloud computing, and data analytics standards.



## Reliably Extend Your Multiphase Metering Operating Envelope—and Slash Your Lead Time

**Vx Omni subsea multiphase flowmeters** not only introduce accurate multiphase metering to the 20,000-psi subsea frontier, but also accelerate your ROI while still meeting stringent industry standards.

**Vx Omni**  
Subsea multiphase flowmeter

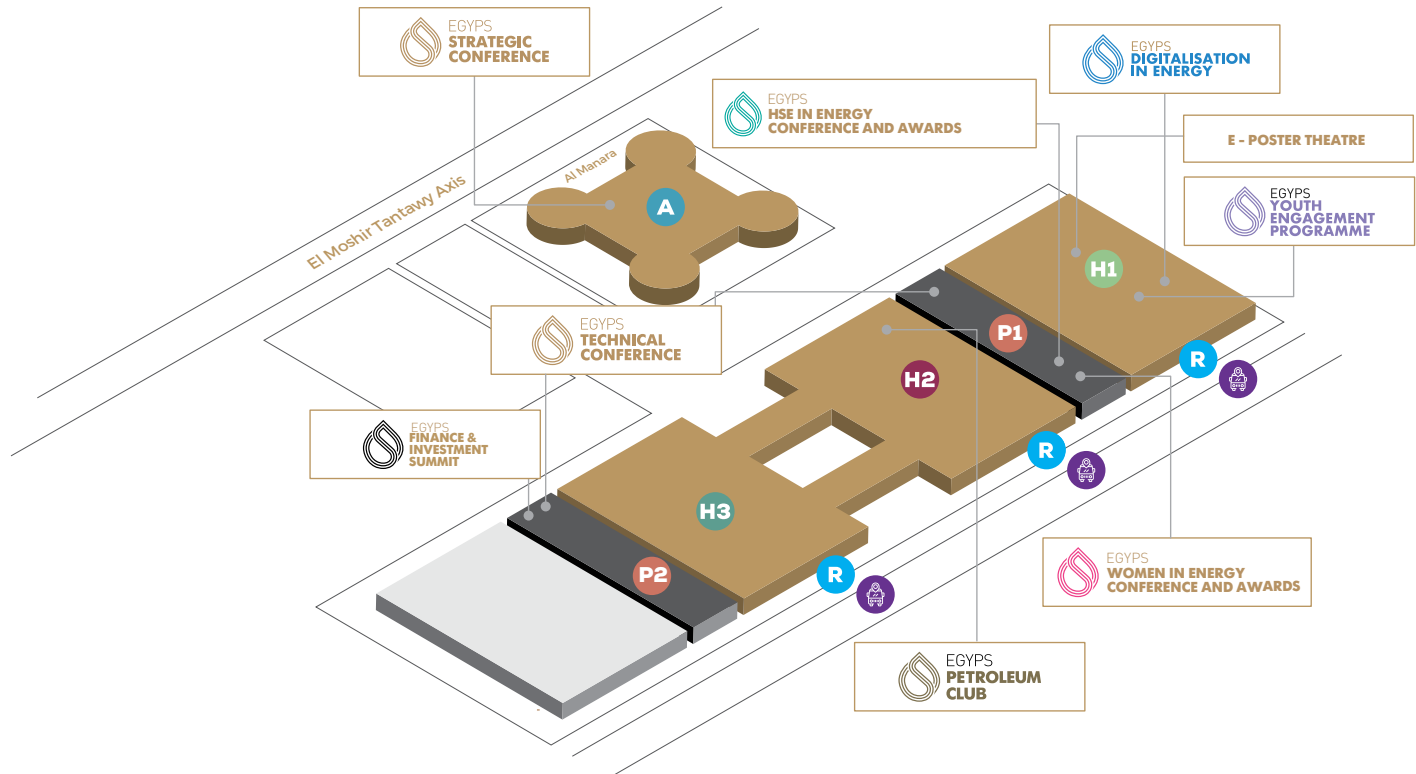


Learn more at  
[onesubsea.slb.com/VxOmni](https://onesubsea.slb.com/VxOmni)

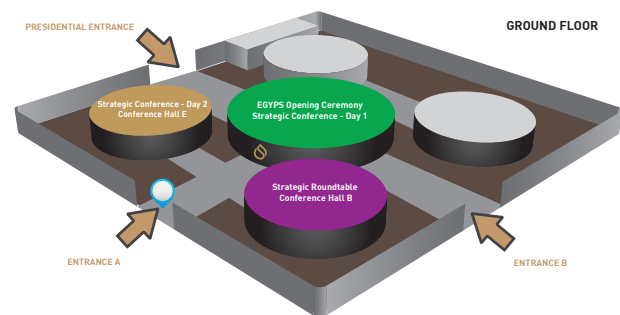
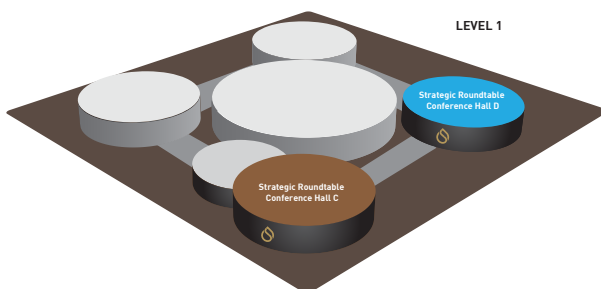
**Schlumberger**

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## EGYPS 2020 VENUE MAP



- A AL MANARA**
- EGYPS 2020 Opening Ceremony
  - Strategic Conference
  - Strategic Roundtable Discussions
  - Conference Coffee Break



- SHUTTLE BUS DROP-OFF ZONE**
- Halls 1, 2, 3 & Al Manara

- REGISTRATION AREA**
- Halls 1, 2 & 3

- P1 PLAZA**
- Technical Conference
  - HSE in Energy Conference & Awards Ceremony
  - Women in Energy Conference & Awards Ceremony

- P2 PLAZA**
- Technical Conference
  - Finance & Investment Summit
  - Conference Coffee Break

- H1 HALL 1**
- Digitalisation Zone
  - Global Meetings Programme
  - Youth Engagement Programme
  - Technical E-Posters
  - Media Centre
  - Conference Coffee Break

- H2 HALL 2**
- EGYPS Petroleum Club

- H3 HALL 3**
- Conference Delegate Lunch
  - EGYPS 2021 Sales Stand



### VENUE LOCATION:

Egypt International Exhibition Center New Cairo, 5th Settlement, El Moshir Tantawy Axis, Cairo Governorate



# dmg::events

CONNECTING THE GLOBAL ENERGY COMMUNITY



9 - 11 June 2020



8 - 10 September 2020



9 - 12 November 2020



9 - 11 February 2021



25 - 27 February 2020



18 - 19 March 2020



18 - 19 March 2020



12 - 14 May 2020



May 2020



10 - 12 June 2020



16 - 18 June 2020



June 2020



1 - 3 September 2020



7 - 10 September 2020



8 - 10 September 2020



8 - 10 September 2020



16 - 17 September 2020



23 - 24 September 2020



23 - 24 September 2020



28 - 30 September 2020



September 2020



7 - 8 October 2020



October 2020



October 2020



2020



9 - 12 November 2020



9 - 12 November 2020



9 - 12 November 2020



25 - 26 November 2020



November 2020



December 2020



3 - 5 February 2021



13 - 14 April 2021



9 - 12 January 2022

[www.dmgevents.com](http://www.dmgevents.com)

## SHUTTLE BUS SCHEDULE

**ZONE 1: 90 Street:** Dusit Thani Lake View, Helnan Landmark  
**ZONE 2: Ring Road:** Royal Maxim Kempinski, Renaissance Mirage City, JW Marriott  
**ZONE 3: Nasr City Zone:** Intercontinental City Stars, Holiday Inn



### SHUTTLE BUS FROM HOTELS TO THE VENUE

	FIRST DEPARTURE STARTS FROM	SECOND DEPARTURE STARTS FROM	THIRD DEPARTURE STARTS FROM	FOURTH DEPARTURE STARTS FROM
TUESDAY 11 FEBRUARY	12:45	13:00	13:30	-
WEDNESDAY 12 FEBRUARY	08:15	08:30	08:45	09:00
THURSDAY 13 FEBRUARY	08:15	08:30	08:45	09:00

### SHUTTLE BUS FROM THE VENUE TO HOTELS

	FIRST DEPARTURE	SECOND DEPARTURE
TUESDAY 11 FEBRUARY	19:15	19:30
WEDNESDAY 12 FEBRUARY	19:15	19:30
THURSDAY 13 FEBRUARY	19:00	19:30



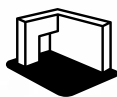
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**17**

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