

# EGYPS NEWS

## EGYPT PETROLEUM SHOW

11-13 February 2020 Egypt International Exhibition Center



OFFICIAL PUBLICATION



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SHOW DAILY

DAY ONE

## PIVOTING TO A BRIGHTER FUTURE: EXECUTING THE SECTOR'S ROAD MAP

Under the auspices of the President of the Arab Republic of Egypt, His Excellency Abdel Fattah El Sisi, the fourth edition of the most prominent oil and gas conference in the region is taking place. With a plethora of investment opportunities, the Egypt Petroleum Show (EGYPS) is once again positioned to play a pivotal role in showcasing Egypt's aspirations to become a regional energy trading hub.

The global energy landscape is rapidly changing and Egypt is showing no signs of slowing the pace of their growth aspirations. While Egypt has a clear roadmap to turn into a regional energy hub, the Ministry of Petroleum and Mineral Resources is sparing no effort to develop the oil and gas sector. Accordingly, many breakthroughs were witnessed in record time throughout 2019. Under the umbrella of the Modernisation Project, accomplishing such successes have encouraged major international oil companies (IOCs) to continue their current business activities in Egypt and further strive to pump new investments into the country and sector.

Last year, Egypt succeeded in making 55 new petroleum discoveries; with 40 crude oil and 15 natural gas discoveries in the Mediterranean, the Eastern Desert, the Western Desert, the Gulf of Suez, the Nile Delta, and Sinai.

In 2019, the oil and gas sector achieved the highest production rate of crude oil, natural gas, and condensates by reaching around 1.9 million barrels per day (mmbbl/d). Natural gas production in particular boomed, touching an unparalleled level of around 7.2 billion cubic feet per day (bcf/d). As a result, the oil and gas sector reached self-sufficiency in natural gas production.

The sector is currently leveraging its digital transformation and its great impact on enhancing its health, safety, and environment (HSE) standards for better levels of safety, which comes in line with the ministry's Modernisation Project.

In addition, Egypt has recently established an E-Gate project to market its petroleum areas and exploration, which is in line with global trends supporting digital transformation as well as introducing investment opportunities for IOCs to search for and develop oil.

Meanwhile, the ministry continues to implement its ever-evolving Modernisation Project, preparing the sector's middle management and youth through initiating several programmes to help them become future leaders. One of the most remarkable drivers in the sector is the Middle Management Programme, which was designed in accordance with IOCs.

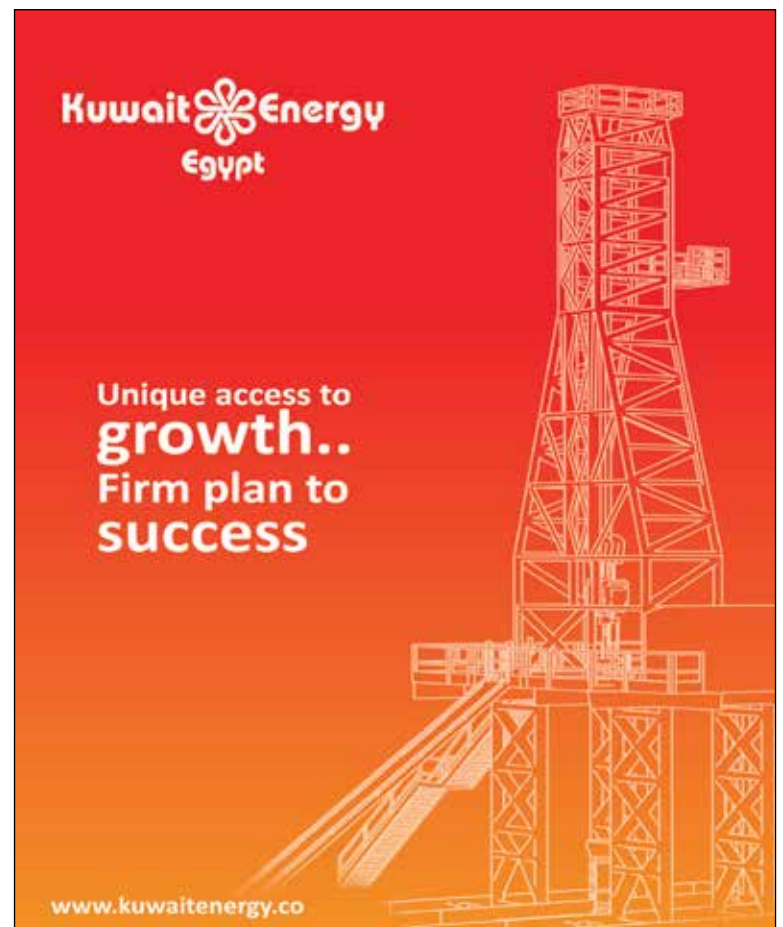
Executing such beneficial training programmes for young professionals, in collaboration with

IOCs, provides them with an opportunity to acquire required soft skills, hard skills, business skills, leadership skills, and expertise. This will play a major role in generating more conscious leaders, which will be reflected positively on the future, enabling the sector to achieve all of its targets and visions.

It is important to note that these programmes are considered to be ongoing, as they come in line with the ministry's goal of achieving sustainability. For that purpose, the ministry is looking forward to signing several memoranda of understanding (MoUs) during 2020.

Egypt's leading role as a regional energy hub will benefit all countries in the region. Egypt's chief role will be an essential pillar for cooperation among countries and it will contribute to achieving economic benefits.

With its investment climate, continuous upstream exploration and innovative downstream diversification, in addition to numerous discoveries, improved infrastructure and facilities, the Egyptian state is executing its active vision and goal to transform into a regional oil and gas hub.



THERE IS NO DOUBT THAT YEAR-ON-YEAR PARTICIPATION WITHIN EGYPS HAS INCREASED AND THAT REFLECTS THE GROWING IMPORTANCE AND POSITION OF EGYPT AND THE GLOBAL INTEREST WE ARE ATTRACTING. WE ARE ON THE RIGHT TRACK AND REMAIN CONFIDENT TO UNLOCK OUR OIL AND GAS POTENTIAL, AS A RESULT OF THE DISTINCTIVE WORK BEING ACHIEVED BY THE MODERNISATION PROJECT.

**HIS EXCELLENCY TAREK EL MOLLA**  
MINISTER OF PETROLEUM AND MINERAL RESOURCES  
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## EGYPT AS A ROLE MODEL:

### AN INTERVIEW WITH EGYPT'S MINISTER OF PETROLEUM AND MINERAL RESOURCES, **H.E. ENG. TAREK EL MOLLA**

**Last year, the industry witnessed remarkable achievements and milestones. What do you wish to achieve in 2020?**

In 2020, we are focusing mainly on completing the petroleum sector's ambitious Modernisation Project, as we exert efforts to expedite our plans to establish new petroleum projects in both upstream and downstream activities as well as infrastructure. The Modernisation Project is followed up and supported by the presidency and government, along with the experts who praise its outcomes.

We shall also continue our exploration activities and execute our ambitious plans as we will start exploration activities in the West Mediterranean and the Red Sea. Recently, we signed two agreements for exploration in new concession areas at the East and West Mediterranean with ExxonMobil. This year, new exploration agreements in the Red Sea will be signed with three major companies as soon as they are approved by the Parliament. New exploration plans with unconventional and new methods will be applied in the current production areas in the Western Desert, Gulf of Suez, and East Mediterranean.

In the downstream domain, we exert efforts to accelerate the implementation of the ongoing projects, and we will start establishing two new petrochemicals and refining complexes in Suez Canal and New Alamin once we finish their financial promotion. Furthermore, we shall continue our plans to implement a number of new projects to improve the fuel distribution infrastructure efficiency in order to meet the citizens' requirements along with the production and development projects.

**Establishing a regional energy hub has been high priority on the ministry's agenda. What is the importance of Egypt's role in this? What are the next steps and when do you see this becoming a reality?**

Egypt has a specific vision and goal represented in the project of transforming itself into a regional energy hub, which will have a very significant return on the country and its national economy. The project will help Egypt restore its pioneering role in the region and monetise its natural gas infrastructure, attract more investments and secure energy resources to meet the country's requirements, provide job opportunities, as well as foreign currency.

For its part, the ministry embarked on a work program within the Modernisation Project to develop

the sector to work according to specific strategies. The program includes three major axes, in which the ministry is moving forward; whether at the internal, the political, or at the technical and commercial levels. These axes include the implementation of new infrastructure projects and the optimal exploitation of the existing infrastructure together with the issuance of legislations that support investment in the oil and gas domain. Correspondingly, a law was issued to regulate the gas market activities and establish the independent Gas Regulatory Authority, which gives an opportunity for the private sector to enter and compete in the whole chain of the oil and gas industry. Furthermore, Egypt has all the qualifications to play this role, in light of its excellent strategic location, having the necessary infrastructure and facilities, e.g. power generating stations, gas liquefaction plants, re-gasification unit, refineries, storage tanks and warehouses, terminals along with oil and gas pipelines networks.

In fact, Egypt has been keen to take active steps to establish a wide board of regional cooperation with gas-producing countries in the Eastern Mediterranean region and establish a partnership with the European Union (EU) in the field of energy to serve the Egyptian perspective to transform into a regional energy hub. Egypt has the keys to the future of natural gas in the Eastern Mediterranean and seeks to monetise all the current potentials in that region. In addition, we take into consideration the ambitions of the Eastern Mediterranean countries to monetise their natural gas discoveries along with the future ones. Therefore, we worked on establishing the first forum that gathers the regional gas-producing countries, according to a joint Egyptian initiative within the framework of a cooperation mechanism with both Cyprus and Greece, during the Crete Summit that took place October 2018, in which the President Abdel Fattah El-Sisi agreed with the leaders of Cyprus and Greece on the idea of establishing the forum. To activate this agreement on the ground, the third Ministerial Meeting of the East Mediterranean Gas Forum (EMGF) was convened in Cairo in January 2020, witnessing the major step of initialing the EMGF statute, which establishes the EMGF as an international and an intergovernmental organisation, based in Cairo. It is worth mentioning that the success in concluding the statute was achieved in a record time of 12 months.

**How can Egypt leverage its position and support the global energy transition?**

As for energy transition, Egypt participates with an influential part in the pathway towards the transition



to clean energy, regionally and internationally, with regard to its role as a crucial hub for natural gas trade from the Eastern Mediterranean countries to Europe via its infrastructure. In fact, it is one of the main pillars for implementing the current policies of the countries to switch into using natural gas instead of other resources, contributing to carbon emissions' reduction. Internally, we support natural gas utilisation as a clean energy through the application of plans and programs to convert to natural gas uses, whether in the domestic, commercial and industrial domains or the transportation sector. At the same time, the country is implementing an ambitious strategy towards the contribution of the new renewable energy resources to the current energy mix. In fact, according to Egypt's 2035 announced energy strategy, renewable energy resources' share is expected to reach 20% in the energy mix by 2022, rising to 42% of the total energy produced in 2035. Currently, Egypt has the largest photovoltaic power complex in the world, known as the Benban Solar Park in Aswan, which is a tangible proof that Egypt is on the right path. In this context, the petroleum sector is in line with the country's strategy and directions in the field of energy efficiency, which is evident by implementing an integrated program for administrative buildings lighting power with solar energy. These measures contribute to achieving the country's strategy via rationalising consumption and reducing production cost.

Continued in page 4 ➤



WE TEND TO INCREASE UPSTREAM INVESTMENTS, WHICH ARE CONSIDERED THE CORNERSTONE IN THE OIL AND GAS INDUSTRY. ESSENTIALLY, INCREASING UPSTREAM ACTIVITIES SECURE THE LOCAL MARKET ENERGY NEEDS FOR THE CITIZENS AS WELL AS DEVELOPMENT PROJECTS AND PAVE THE WAY FOR ACHIEVING NEW SUCCESSES IN ALL THE OIL AND GAS ACTIVITIES.

# EGYPT AS A ROLE MODEL

Continued from page 3

Additionally, we carry out initiatives to improve energy efficiency within the framework of the sector's Modernisation Project fourth pillar, which runs in parallel to Egypt's new renewable energy projects. Furthermore, the EU supports the projects related to this, in light of the petroleum sector's commitment to implement them in accordance with the international standards. Moreover, in respect of our new and existing refining and petrochemical projects, we take into account the environmental aspects, which is a vital element in achieving sustainable development.

## How do you think international cooperation is becoming integral to the sector? And how can it be further boosted?

There is no doubt that achieving success in the oil and gas industry is based upon partnerships and integrations, either among countries or between countries and international oil companies (IOCs), in which everyone shares and utilises their capabilities and expertise to achieve mutual benefits. The Egyptian petroleum sector enjoys many strategic partnerships with major IOCs operating in Egypt, which contributed significantly in realising the successes over the past few years. We are on the right track, both regionally and internationally, and are taking big steps towards strengthening regional and international ties in this field, particularly after launching the EMGF by Egypt and its neighbor countries. The Forum represents a distinctive model of strategic partnerships between countries, to achieve mutual benefits and it aims at monetising the natural gas resources in the Eastern Mediterranean area as well as the existing infrastructure either for producers, consumers or transit countries. The EMGF has already started attracting more countries; as some expressed their desire to join the forum, such as France, which submitted an official request to join the EMGF officially as well as the US request to join the Forum as a permanent observer. This shows the international resonance to this successful partnership, and the Forum's role in the international energy scene over the coming years.

However, the oil and gas sector represented an exquisite gate for Egypt, during the past two years, in strengthening strategic relations and partnerships with countries and global entities such as the EU and the US, in which strategic partnership agreements in the energy field were signed in 2018 and 2019

to enhance cooperation, integration and mutual benefits especially that both the EU and the US strongly support the EMGF. Furthermore, Egypt currently enjoys a strong presence in different international energy events as it is considered a prominent partner in the world energy dialogues at events between countries and organisations, discussing energy issues and visions that need to be implemented.

## Currently, what is the ministry's number one priority? And what are the tangible steps to help the ministry attain and secure it?

We have high ambitions in the whole value chain of the oil and gas industry, and we are working in parallel to achieve all of them, hence it is not just one priority. We have several priorities to concentrate on according to our adopted vision of the petroleum sector's Modernisation Project.

On one hand, we tend to increase upstream investments, which are considered the cornerstone in the oil and gas industry. Essentially, increasing upstream activities secure the local market energy needs for the citizens as well as development projects and pave the way for achieving new successes in all the oil and gas activities. We seek to reinforce Egypt's role as a regional oil and gas hub as well as working on training and qualifying our youth cadres to keep up with the major projects we are currently implementing, which require capable cadres, along with achieving their aspired goals. We also target anchoring health, safety, and environment (HSE) culture and attitudes in all our activities and projects as a main mindset to preserve workers and assets, and to achieve success' sustainability.

## What is the message you want to deliver to young professionals?

My message is a clear and direct one; we strongly believe in the youth role, great potentials as well as their capabilities to enhance the oil and gas sector, at the present and in the future, so as to reach beyond the success that we have planned. Young professionals should have the motive to double their efforts, increase their achievements and participate strongly in developing the country.

In addition, the youth have scientific and practical skills as well as the ability to apply them, by using

advanced technologies with high efficiency and their full awareness and knowledge of the digital world and its applications. As part of our great interest to invest in young professionals, they should be able to support this role by trying to prove themselves and provide positive initiatives that can be applied in all the domains, together with the programs and initiatives that we provide for them.

## In what ways is EGYPS supporting the sector's Modernisation Project?

EGYPS is progressing significantly since the launch of its first edition in 2017. This is obvious in the increase in numbers of international participants in this event; it highlights the unprecedented results and the success stories achieved in the Egyptian oil and gas industry, in light of implementing the petroleum sector's Modernisation Project.

EGYPS also sheds light on our future work plans to continue developing this vital industry as well as promoting investment opportunities and applied reforms, which comes in line with the Ministry of Petroleum and Mineral Resource's vision of the petroleum sector's Modernisation Project with its seven pillars, which witness fruitful discussions every year, in the context of the outstanding reforms applied by the project in the whole value chain of the petroleum industry in addition to keeping up with its technological advancement.

## What would you like to see different about EGYPS for next year?

There is no doubt that year-on-year participation within EGYPS has increased and that reflects the growing importance and position of Egypt and the global interest we are attracting. We are on the right track and remain confident to unlock our oil and gas potential, as a result of the distinctive work being achieved by the Modernisation Project. These strong indicators prove the continuity of this conference under the auspicious of President El-Sisi and motivate us to keep promoting the event and increase the number of speakers, delegates and participants along with diversifying and enriching its activities to cope with the technological and information revolution that prevails worldwide. We exert efforts to attract huge numbers of youth and women to participate in EGYPS to present their ideas and experiences, and to be a source of inspiration and enlightenment to others.



WE STRONGLY BELIEVE IN THE YOUTH ROLE, GREAT POTENTIALS AS WELL AS THEIR CAPABILITIES TO ENHANCE THE OIL AND GAS SECTOR, AT THE PRESENT AND IN THE FUTURE, SO AS TO REACH BEYOND THE SUCCESS THAT WE HAVE PLANNED.



# WE BUILD TRUST AND CONFIDENCE

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**DNV GL is proud to be a strong partner  
of Egypt's energy industry.**

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**DNV GL is participating in the EGYPS 2020 conference with three technical papers, presented by our most experienced experts, and several e-poster presentations.**

Come meet our experts at DNV GL's stand #2A10 in HALL 2 and join our **FREE** technical briefings and masterclasses – register online as seats fill up quickly!

Stop by for a copy of the full program or go to [dnvgl.com/EGYPS](http://dnvgl.com/EGYPS)



## Tuesday 11<sup>th</sup> February - Day 1

15:00 - 16:00	<b>FREE REGISTRATION REQUIRED</b>	<b>MASTERCLASS:</b> Advanced barrier management to improve safety performance
16:15 - 16:45		<b>Digital Solutions:</b> Safeguarding life with DNV GL's Synergi Life
17:00 - 17:15		<b>CASE STUDY:</b> ZOHR: Successfully delivering marine warranty services under challenging circumstances

## Wednesday 12<sup>th</sup> February - Day 2

11:00 - 11:30		<b>PANEL SESSION:</b> The Energy Transition Outlook: What does the future look like, and what does it mean for Egypt?
13:00 - 14:00	<b>FREE REGISTRATION REQUIRED</b>	<b>MASTERCLASS:</b> De-mystifying digitalization in the oil & gas industry
14:30 - 15:00		<b>Oil &amp; Gas:</b> Best practice in hydrocarbon metering management
15:15 - 15:30		<b>From CAPEX to OPEX:</b> Best practice in ensuring a smooth transition for newly built oil & gas assets
16:00 - 17:00	<b>FREE REGISTRATION REQUIRED</b>	<b>MASTERCLASS:</b> Process Safety Management

## Thursday 13<sup>th</sup> February - Day 3

11:00 - 11:15		<b>CASE STUDY:</b> ZOHR: Successfully delivering marine warranty services under challenging circumstances
13:00 - 13:30		<b>Digital Solutions:</b> Asset Integrity (Synergi Plant/RBI and Synergi Pipeline)

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## WELCOME FROM THE ORGANISER OF EGYPS 2020

On behalf of dmg events, we welcome you to Cairo and the 2020 edition of the Egypt Petroleum Show (EGYPS), held under the patronage of His Excellency Abdel Fattah El Sisi, President of the Arabic Republic of Egypt with the support of the Ministry of Petroleum and Mineral Resources.

Under the theme "Delivering the Energy Needs of Tomorrow", EGYPS will discuss developments and trends that will influence the strategies of companies investing and operating in the region, and will showcase the latest oil and gas innovations and technologies.

The Strategic Conference will host discussions that will shape the future of the energy sector in this new environment as companies thrive to unlock new value, grow market share, retain their competitive edge and adapt to the changing environment around them. EGYPS is the largest and most important oil and gas exhibition and conference in North Africa and the Mediterranean, bringing together the industry's full value chain from government ministers, CEOs, policy makers, and senior industry executives, including technology experts and market analysts.

This year's exhibition will be the largest to-date, spanning 33,000 gross sqm and accommodating 24 exhibiting National and

International Oil Companies. More than 30,000 energy professionals from 28 countries are projected to attend the event to understand what more than 450 exhibiting companies, including 14 exhibiting national country pavilions have in store for the industry. Join more than 1,600 conference delegates to experience three days of 70+ high profile panels, technical conferences, roundtables and keynotes that focus on key aspects of oil and gas in the fourth industrial age. Hear from the industry leaders and executives that determine the future of the industry, the experts driving change across the value chain, and the energy ministers and government officials shaping the future of policy.

Don't forget to visit our Youth Engagement Programme in Hall 1 that enables the oil and gas industry to engage and inspire the youth of today to consider their future career options, at the same time as offering a clear understanding of how the oil and gas sector plays an important role in today's energy mix and the impact on the everyday world around them. The digitalisation zone located in Hall 1 provides first hand exposure of the transitional changes that are shaping tomorrow's industry.



**SALMAN ABOU HAMZEH**  
VICE PRESIDENT, MIDDLE EAST  
DMG EVENTS

On behalf of dmg events, I would like to thank our sponsors and supporters - the Egyptian Ministry of Petroleum and Mineral Resources, EGPC, EGAC, ECHEM, GANOPE, the EGYPS Executive and Technical Committees for facilitating and contributing to the success of EGYPS. I look forward to meeting as many of you as possible over the coming days.



# WHAT TO EXPECT DURING YOUR VISIT

Egypt Petroleum Show (EGYPS 2020) is helping the sector's companies engage in more dialogues, create partnerships, tap into new markets, and identify strategies that will shape the future of the industry. The participating companies are going to showcase their projects, technologies, major products, and services to help develop the oil and gas sector.







EGYPS 2020 HSE in Energy Conference witnesses a remarkable development, addressing the most pressing and relevant issues for Egypt, North Africa and the Mediterranean. The conference will culminate with the HSE Excellence in Energy Awards ceremony that will acknowledge the best environmental and health & safety projects, as well as the best leader within health, safety and the environment.

Considering the sector's digital transformation, EGYPS 2020 dedicates for the second year in a row a special focus on the sector's digitalisation by offering an all-encompassing exhibition zone. This zone showcases the industry's main strides needed for its digitalisation journey to achieve operational excellence.











Since the youth are seen as a main pillar in modernising the oil and gas sector, EGYPS 2020 presents the Youth Engagement Programme. This Programme is considered a focused learning platform for youth to gain further insights into the Science, Technology, Engineering and Mathematics (STEM) education, create connections with the sector's leaders which in turn will enable the leaders to engage with the next generation, and provide them with future job opportunities to ultimately encourage them to pursue careers in the oil and gas industry.

The Women in Energy Conference will discuss the role of diversity in advancing industries and global economies, as well as the importance of gender equality for economic empowerment. Moreover, the sessions will tackle the concept of great crew change and its impacts on diversity. Returning for the third edition, the Women in Energy Awards are led by a high-level and unbiased Regional Select Jury of industry experts and academics.

## EXHIBITION

 <b>33,000</b> Gross SQM - Exhibition space	 <b>30,000+</b> Attendees	 <b>450+</b> Exhibiting Companies	 <b>15</b> International Oil Companies	 <b>14</b> Country Pavilions	 <b>9</b> National Oil Companies
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## CONFERENCE

 <b>1,600+</b> Conference Delegates	 <b>270+</b> Expert Speakers	 <b>36</b> Technical Conference Sessions	 <b>10</b> Strategic Conference Sessions	 <b>7</b> Women in Energy Sessions	 <b>7</b> Finance & Investment Sessions	 <b>6</b> HSE in Energy Sessions	 <b>4</b> Strategic Roundtables	 <b>2</b> Awards Ceremonies Women in Energy & HSE Excellence in Energy	 <b>2</b> Days of Eposter Presentations
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## REGIONAL AND INTERNATIONAL KEY EXHIBITING COMPANIES INCLUDE

### National Oil Companies



### International Oil Companies



## INTERNATIONAL SERVICE PROVIDERS & ENGINEERING, PROCUREMENT & CONSTRUCTION COMPANIES





## LEADING THE FUTURE: AN INTERVIEW WITH **KHALED KACEM**, VP EGYPT AND COUNTRY CHAIRMAN, SHELL COMPANIES IN EGYPT.

### What is Shell's strategy to strengthen its position as a leading energy company?

Globally, our strategy is to strengthen our position as a leading energy company by providing oil, gas and low-carbon energy as the world's energy system transforms. We are focused on expanding our integrated gas operations as the cornerstone of transition to cleaner energy, with 40 years of experience in the field and major projects across the world including in Brazil, the US, Nigeria and Malaysia. In Egypt, we are very proud of our partnership with the country over the past century. To date, Shell has invested significantly in Egypt and is well-placed to contribute to the government's strategy along with the Modernisation Project.

We are committed to Egypt and see our future in supporting the Government's energy hub vision by growing Shell positions across the offshore and LNG value chain. This is where we can best leverage our expertise, deliver the strongest added value to Egypt, and optimize our portfolio to ensure the company delivers a world class investment case.

### Could you please share with us the latest projects that Shell has executed in Egypt?

Over the last two years, Shell has worked on unlocking the full potential of the Phase 9B project in the West Delta Deep Marine (WDDM) concession offshore Egypt. In April 2018, Shell and its Malaysian partner, Petronas, decided to extend the life of WDDM concession by developing a strategy to increase and sustain gas production rates through focusing on asset, well and pipeline integrity.

Due to the water's depth and targeted geological layers; the exploration, production and drilling processes in Phase 9B required significant funding. That is why Shell and its joint venture (JV) Rasheed Petroleum Company (Rashpetco), worked according to an innovative strategy using drilling mechanisms and advanced equipment in addition to intensifying the exploration, production and development activities for this area.

In addition to starting gas production ahead of schedule from development wells, and from the exploration target of Swan East 1 early October 2019, only nine months after the discovery, the operations team achieved significant savings by schedule acceleration, efficient procurement strategy and reusing existing subsea equipment for capital expenditure (capex) optimisation, all this while maintaining a goal zero record as a result of implementing a series of health, safety and environment (HSE) focused initiatives.

Finally, our JV Rashpetco is currently drilling the exploration well Montu at 20,000 feet as part of an ongoing exploration campaign.

Globally, Shell has a leading deep-water portfolio that includes positions off the coasts of the US, Brazil, Nigeria, Malaysia and Mexico.

**Shell Egypt has recently announced directing its concentration on growing its Egyptian offshore exploration and integrated gas business. From your opinion, to what extent this will enable Shell to continue supporting the Egyptian vision of being an energy hub?**

We are committed to Egypt and in supporting the country's energy hub vision. Thus, focusing our strategy on growing Shell positions across the offshore and liquefied natural gas (LNG) value chain can help

the Egyptian government meet its ambitious plan. We are drawing on our decades of expertise in exploring for and extracting oil and gas from deep waters, delivering many major projects around the world.

Through the BG acquisition in 2016, we became a partner in the Egyptian LNG project. Egyptian (ELNG) is now making more regular shipments, a testament to the success of the government efforts.

Finally, Shell is always looking at domestic gas trading opportunities and working hard on establishing a gas trading entity by utilising our global expertise in other parts of the world.

### Referring to EGYPS Digitalisation Zone, from your viewpoint, how does Shell see the sector's recent trend of digital transformation?

We believe that digital transformation can drive cost efficiency, eventually changing business models and redefining our industry.

For example, we have developed Shell Geodesic, an artificial intelligence (AI) drilling system, to determine the best well placement autonomously, minimising human intervention. This generates more production at a lower cost and allows us to stay in zone nearly 100% of the time – allowing for greater overall recovery.

Our ability to perform predictive maintenance was also improved due to digitalisation; a process that allows us to optimise the maintenance of equipment and assets. At our Shearwater gas infrastructure hub in the UK North Sea, we trained a machine-learning model to recognise what was normal and abnormal compressor behaviour by analysing historical data. The model was able to correctly identify half of all trips, days ahead of impact.

We also use proactive technical monitoring (PTM) to detect threats and realise opportunities early through structured monitoring of process and equipment data. In Malaysia in 2017, 120 threats and optimisation opportunities were identified, leading to 98.1% reliability.

### Could you please comment on considering EGYPS as an international platform that encourages bolstering cooperation among major companies worldwide?

Shell is quite encouraged by the pace and progress of the Egypt's economic programme which has significantly shifted investors' sentiment towards Egypt and its oil industry. The Egypt Petroleum Show (EGYPS) is a clear demonstration of this.

Shell believes that Egypt's economic potential is closely tied to its ability to develop a robust energy industry and the country is now in the golden age of energy possession. The country is working hard and is taking steady steps towards enhancing Egypt's position as an influential player on the global energy map.

Hence, Shell's participation in EGYPS is a sign of Egypt's readiness for exchanging experience and establishing a constructive debate on Egypt's energy future; an example of the government working together with the private sector to grow the industry. Being a key player in the field, and in line with our aggressive growth strategy in the country, Shell is keen on furthering its investments in Egypt; providing an optimistic vision for the Egyptian oil and gas industry towards fulfilling the country's energy needs.

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### In its fourth year, what are your aspirations for EGYPS 2020?

Shell is proud to be a Diamond Sponsor of EGYPS since its inception in 2017. Our participation is driven from our belief in its strategic importance as the most significant annual event for regional and international oil and gas key players.

This year's round is held under the slogan, "North Africa and the Mediterranean delivering the energy needs of tomorrow". Hence, we see the conference as a great opportunity to gain insights into the upcoming oil and gas opportunities and share our expertise with the event's attendees.

We also look forward to participating in technical sessions and strategic panels where we can engage with our peers and showcase our rich knowledge of operating in the offshore deep water and LNG value chain market. Moreover, we will showcase our ongoing commitment to modernise the oil and gas sector as well as our social investments strategy that will significantly contribute to Egypt's future.

### One of EGYPS's zones is the EGYPS Youth Engagement programme, how do Shell's programmes aim to enhance youth talents?

We are committed to support the communities where we operate through constructive initiatives that promote the communities in an innovative, productive and sustainable manner.

In Egypt, Shell had taken the Social Investments strategy to a whole new level both by creating the company's own social investments programmes and sponsoring other ones aiming to enhance and develop the capabilities of the Egyptian youth.

Our programmes support local skills development, young entrepreneurs and in turn the local economy through the development of small projects and entrepreneurship initiatives like Shell Intilaaqah, the Shell Eco-marathon, Al-Amal programme, Imagine the Future competition, NXplorers programme and Shell's partnership with AUC V-Lab to develop start-ups in the field of energy and environmental sustainability.

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**HALL 2**





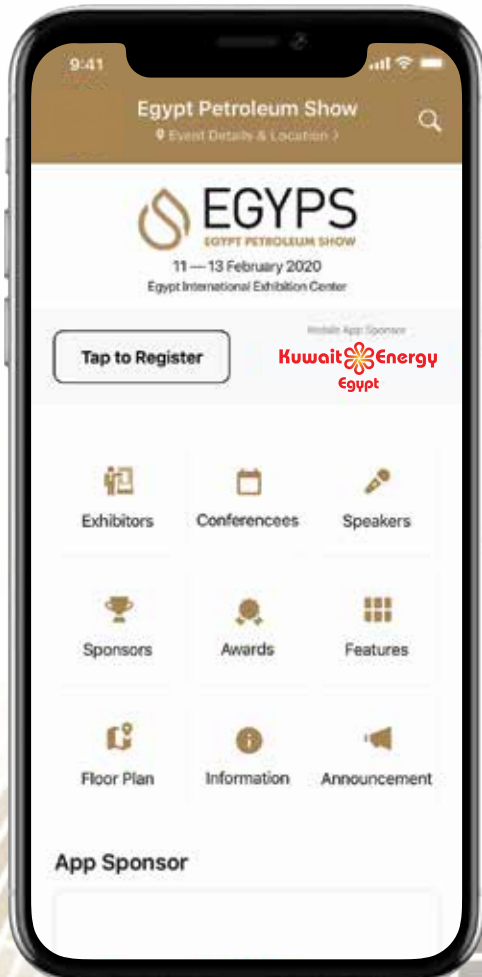
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## FOCUSING ON NEW ENERGY SOLUTIONS: AN INTERVIEW WITH **SHARIZAL SHAHARI**, COUNTRY HEAD OF EGYPT AT PETRONAS

**Since 1974, PETRONAS has been going through a long journey of transformation full of achievements. What were some of the most remarkable milestones along this journey?**

Our growth journey, from being a domestic player to being featured in Fortune Global 500 multinational organization, has been truly an exciting one. About 42 years ago, we ventured into exploration and production (E&P) as well as the commencement of Malaysia liquefied natural gas (LNG) project in East Malaysia, which was the turning point for us in becoming the energy supplier for the domestic market. Since then, we have grown in leaps and bounds where we now have E&P ventures in more than 20 countries, with LNG in the UK, Egypt, Australia, Malaysia and Canada. We have journeyed far to become one of the world's largest LNG producers and recently, the world's first owner and operator of two floating LNG facilities.

In the early 80s, we started venturing into downstream business as a mean of stretching the value of oil and gas molecule, and today, we are a leading marketer and retailer of downstream petroleum products in Malaysia and South Africa.

Recently, in response to the world's transition towards low carbon economy, PETRONAS has created a new business division focusing on Gas and New Energy (GNE) to complement its upstream and downstream business. The intent of setting GNE is for us to be a centre of excellence for cleaner energy and cleaner energy solutions partner, guided by our Statement of Purpose: "A progressive energy and solutions partner enriching lives for a sustainable future."

On that note, we have laid solid foundations to our new energy business with the acquisition of Amplus Solar in April 2019, followed by the launch of our Malaysian solar solutions brand named M+, accelerating our ambition in the renewables sphere.

It is also worth mentioning that we have been partnering with Mercedes-AMG to bring even more technical excellence and innovation into the world of oil and gas. PETRONAS has been the title sponsor of the Mercedes-AMG PETRONAS Motorsport team for the past nine years. Since then, we have also been playing a crucial role as a technical partner, working closely with the team to continuously improve on the winning formula and deliver the ultimate performance on and off the race tracks. Our Fluid Technology Solutions, fuels, lubricants and functional fluids, were developed alongside the team's engines, and powered the Silver Arrows to win six consecutive World Constructors' Championships from 2014 - 2019.

**As the custodian of Malaysia's national oil and gas resources, what is PETRONAS' main strategy in meeting the growing domestic demand?**

PETRONAS focuses on executing a Three-Pronged Strategy to deliver our goals and targets, guided by a strong sense of purpose. We started maximising our cash generators by focusing on Malaysia's integrated value chain through operational and commercial excellence. We are also expanding our core business through innovative technologies and customer-centric solutions, such as establishing a virtual pipeline system and LNG bunkering to cater to off-grid customers, LNG break-bulking via ship-to-ship transfers to serve customers with smaller LNG parcel requirements, and Gassing Up and Cooling Down services to serve warm LNG vessels after ship dry-docking. We are stepping out into a new energy strategy as global energy

demand continues to grow. Growing focus towards a decarbonised world has increased the attention on renewables and natural gas to act as complementary fuels.

**What is PETRONAS's plan to continue unlocking and maximising energy resources, even in remote and harsh areas?**

Our investments in the floating LNG (FLNG) initiative supports PETRONAS's vision in becoming a leading global LNG player as it signifies PETRONAS's progress to provide an uninterrupted supply of LNG to its customers. It is a game-changing solution to onshore LNG processing, i.e. more agile LNG production, being able to deploy for monetisation of gas quickly. As new gas discoveries are increasing in more remote and smaller fields, this technology changes the landscape of the LNG business as FLNG offers efficiency for first gas commercialisation and flexibility where each vessel can be redeployed from one field to another. The FLNG vessels will also enable oil and gas companies to develop, store, and transport the products near the fields.

**What does PETRONAS expect to achieve in Egypt in 2020?**

PETRONAS continues to grow in Egypt with the support of the Egyptian government, especially the Ministry of Petroleum and Mineral Resources, Egyptian General Petroleum Corporation (EGPC), Egyptian Natural Gas Holding Co. (EGAS), and Ganoub El Wadi Petroleum Holding Company (GANOPE). PETRONAS is supportive of the Egyptian regional gas hub aspiration and is ready to participate in any East Mediterranean gas arrangements to maximise the Egyptian LNG (ELNG) utilisation and shareholders' return.

Operationally, PETRONAS sanctioned Phase IXB Project in West Delta Deep Marine in December 2017 and the first gas was achieved in Q3 2018 and expected to be completed by Q1 2020. PETRONAS has recently signed the exploration Production Sharing Contracts (PSCs) for North Sidi Gaber Block and North El Fanar Block, where PETRONAS holds 50% equity and Shell (operator) holds 50% equity. PETRONAS will also continue to support the Ministry of Petroleum and Mineral Resource's Modernisation Program as well as other programs planned this year.

**As a sponsor of EGYPS, to what extent does the show help PETRONAS achieve its goals?**

This is the second year that PETRONAS participates in EGYPS as an exhibitor. Our participation is a good opportunity for us to showcase our integrated, end-to-end capabilities and promote our products and solutions to the region. It is also a good platform for us to reach out to our target audience in introducing new solutions across the LNG value chain; from supplying to delivering LNG to customers. Some of the customer-centric solutions which we offer and will be on showcase include LNG break-bulking activity via ship-to-ship transfer to serve LNG buyers with requirements for smaller LNG parcels.

This aligns with PETRONAS's plans to expand further in Egypt, North Africa and the Mediterranean, seeking opportunities for collaboration and partnerships across the energy value chain. We believe this platform will enable us to reach out to potential customers and partners in those regions.

GOLD  
SPONSOR



**EGYPS aims to foster the digital transformation of the oil and gas industry. What are the main strides implemented at PETRONAS to cope with the sector's digitalisation?**

To remain competitive, one of our focuses is to digitalise our processes for greater efficiency, accuracy, and agility. Our digital journey is anchored on the purpose of solving specific business pain points. To ensure that we deliver maximum impact, each pain point is addressed through the lens of the enterprise. By starting small, we are able to quickly apply the lessons learnt in the pilot phase to improve outcomes before scaling it across the enterprise. Our utmost priority is our efforts to promote and push the desired health, safety, security and environment (HSSE) behaviors. Backed by data, we are able to determine proactive action plans better, and in turn, have seen higher engagement levels with our staff.

Across the integrated value chain, we are working to provide end-to-end visibility of key data, enabling us to be nimble to adapt and respond to changes. We are also leveraging the power of machines to retain corporate knowledge better and make it conveniently accessible to less experienced staff. In operating our assets, we leverage analytics to push plant performance by enabling predictive capability and consistent reporting from all plants.

For our front-facing business, we seek to disrupt and raise the bar for a seamless customer experience. To date, we have introduced a mobile refueling service that delivers fuel directly to customers, and seamless payment experience, enabling our customers to complete their transactions and activate the fuel pumps from the comfort of their cars. At the core, we seek to transform the way key functions serve the business such as procurement, finance, and human resource, unleashing a multiplier effect for the enterprise. All of these are testaments of our digital efforts, as we continue to explore and innovate within and beyond our organizational boundaries.

VISIT US AT

STAND NUMBER: **3C28**

**HALL 3**



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

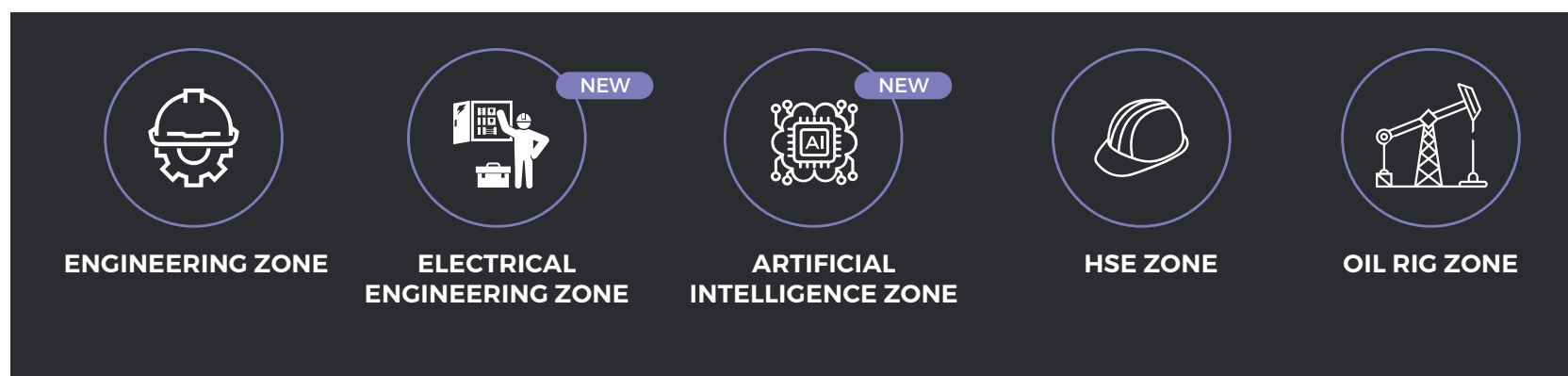


ZONE SPONSORS



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.



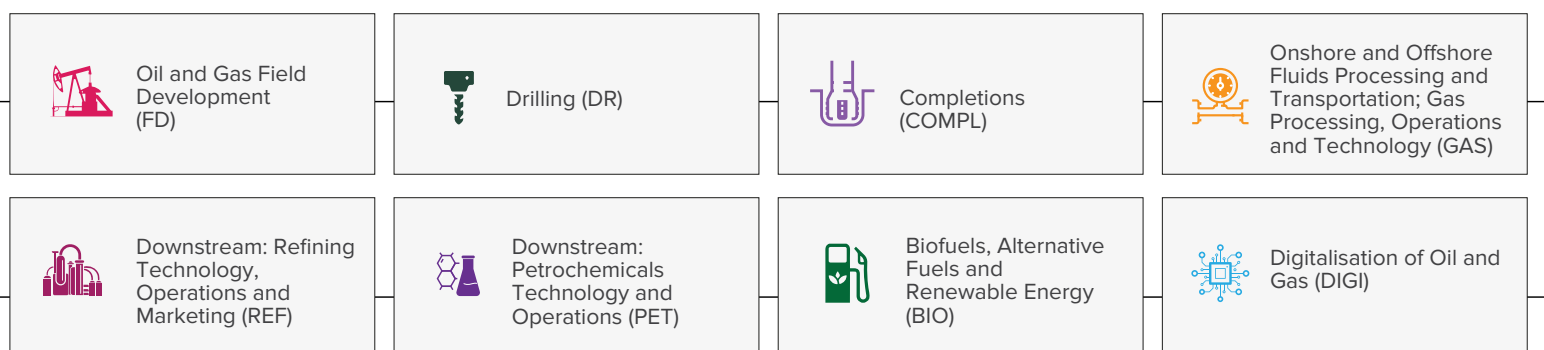


## SCHEDULE OF

<b>15 TECHNICAL CATEGORIES</b>	 Exploration: Reservoir Characterisation (EXPL)	 Geoscience: Technology Developments (GEOT)	 Unconventional Oil and Gas Resources Development (URD)
 Offshore and Marine Technology and Operations (MAR)	 Project Management and Execution (PM)	 Operational Excellence (OpEx)	 Health, Safety and Environment (HSE)

		PLAZA 1		PLAZA 2	
		ROOM 1	ROOM 2	ROOM 4	ROOM 6
TECHNICAL SESSIONS	TUESDAY 11 FEBRUARY	<b>Session 1:</b> Improving productivity, reducing expenses 14:00 - 15:30	<b>Session 2:</b> Successful project execution 14:00 - 15:30	<b>Session 3:</b> Tackling reservoir evaluation challenges 14:00 - 15:30	<b>Session 4:</b> Tapping into unconventional resources 14:00 - 15:30
		<b>Session 5:</b> Improving energy efficiency 15:30 - 17:00	<b>Session 6:</b> Mitigating project management challenges 15:30 - 17:00	<b>Session 7:</b> Innovation in reservoir evaluation 15:30 - 17:00	<b>Session 8:</b> Innovative strategies in enhanced oil recovery 15:30 - 17:00
TECHNICAL SESSIONS	WEDNESDAY 12 FEBRUARY	ROOM 1	ROOM 2	ROOM 4	ROOM 6
		<b>Session 9:</b> Mitigating risks and improving asset integrity 10:00 - 11:30	<b>Session 10:</b> Operation challenges and excellence 10:00 - 11:30	<b>Session 11:</b> Unlocking potential of mature basins 10:00 - 11:30	<b>Session 12:</b> Geotechnology 10:00 - 11:30
		<b>Session 13:</b> Improving refinery economics 11:30 - 13:00	<b>Session 14:</b> Innovation in gas processing technologies 11:30 - 13:00	<b>Session 15:</b> Enhanced oil recovery (EOR) 11:30 - 13:00	<b>Session 16:</b> Achieving performance optimisation through digitalisation 11:30 - 13:00
		<b>Session 17:</b> Developments in refining technologies 14:00 - 15:30	<b>Session 18:</b> Renewable energy projects 14:00 - 15:30	<b>Session 19:</b> Successful field development case studies 14:00 - 15:30	<b>Session 20:</b> Smart decision making using AI and advanced analytics 14:00 - 15:30
		<b>Session 21:</b> Technologies' role in reshaping the petrochemicals future 15:30 - 17:00	<b>Session 22:</b> Developments in biofuels 15:30 - 17:00	<b>Session 23:</b> Reservoir engineering, monitoring and testing technologies 15:30 - 17:00	<b>Session 24:</b> Smart digital oilfields 15:30 - 17:00
TECHNICAL SESSIONS	THURSDAY 13 FEBRUARY	ROOM 1	ROOM 2	ROOM 4	ROOM 5
		<b>Session 25:</b> Occupational health and safety 10:00 - 11:30	<b>Session 26:</b> Offshore and marine technologies 10:00 - 11:30	<b>Session 27:</b> Petroleum system challenges 10:00 - 11:30	<b>Session 28:</b> Drilling optimisation 10:00 - 11:30
		<b>Session 29:</b> Environment and sustainability 11:30 - 13:00	<b>Session 30:</b> Stimulation and sand management 11:30 - 13:00	<b>Session 31:</b> Rock physics insights 11:30 - 13:00	<b>Session 32:</b> Successful drilling case studies 11:30 - 13:00
		<b>Session 33:</b> Ensuring utmost process safety 14:00 - 15:30	<b>Session 34:</b> New completions technologies 14:00 - 15:30	<b>Session 35:</b> Seismic surveys and technologies 14:00 - 15:30	<b>Session 36:</b> Drilling technology advancements 14:00 - 15:30

# CONFERENCES



STRATEGIC SESSIONS	TUESDAY 11 FEBRUARY	<div>13:30 – 13:50</div> <div>Keynote address</div>	<div>13:50 - 14:50</div> <div>Global business leaders session</div> <div>Balancing supply and demand with geopolitical uncertainties, global trading agreements and policy objectives</div>	<div>14:50 - 15:20</div> <div>Keynote address</div> <div>Reshaping energy markets: the global discussion</div>	<div>15:20 - 16:20</div> <div>Global business leaders session</div> <div>The importance of forward looking partnerships to deliver growth aspirations</div>	<div>16:30 - 17:30</div> <div>Strategic Roundtable Discussions</div>		
	WEDNESDAY 12 FEBRUARY	<div>10:00 - 10:50</div> <div>Keynote address</div> <div>Responding to energy transition amidst market volatility – a threat or an opportunity? What does the future hold?</div>	<div>10:50 - 11:40</div> <div>Global business leaders session</div> <div>Delivering value across the downstream landscape</div>	<div>11:40 - 12:30</div> <div>Global business leaders session</div> <div>Transforming the east Mediterranean gas and LNG market</div>	<div>13:30 - 14:30</div> <div>Global business leaders session</div> <div>Driving an attractive oil and gas investment climate in Egypt, North Africa and the Mediterranean</div>	<div>14:30 - 15:00</div> <div>In conversation with</div> <div>Oil and gas innovation and technology in the 4th industrial age</div>	<div>15:00 - 15:30</div> <div>Closing keynote address</div> <div>The outlook for Egypt’s future as the Mediterranean’s regional energy trading hub</div>	
HSE IN ENERGY SESSIONS	WEDNESDAY 12 FEBRUARY	<div>09:30 - 10:30</div> <div>Coffee and speed networking</div>	<div>10:30 - 10:40</div> <div>Keynote</div> <div>from the Ministry of Environment</div>	<div>10:45 - 11:45</div> <div>Panel</div> <div>The importance of raising personnel awareness within your organisation</div>	<div>12:00 - 13:00</div> <div>Rapid fire session</div> <div>Tackling HSE challenges</div>	<div>14:00 - 15:00</div> <div>Panel</div> <div>The role of leadership when pursuing high HSE standards – sharing experiences and lessons learnt</div>	<div>15:00 - 16:00</div> <div>Panel</div> <div>Driving sustainable environmental performance within the oil and gas sector</div>	
		<div>16:00 - 17:30</div> <div>HSE Excellence in Energy Awards Ceremony</div>						
FINANCE & INVESTMENT SESSIONS	THURSDAY 13 FEBRUARY	<div>10:00 - 10:15</div> <div>Opening keynote</div> <div>Accelerating investments to fuel national growth - the Egyptian story</div>	<div>10:15 - 11:00</div> <div>Panel</div> <div>The big picture - insights into global oil &amp; gas investment and financing</div>	<div>11:00 - 11:15</div> <div>Keynote</div> <div>Overcoming uncertainty – a roadmap to efficient energy investments</div>	<div>11:15 - 12:00</div> <div>Panel</div> <div>The evolving dynamics of oil &amp; gas pricing and its influence on hydrocarbon investment decisions</div>	<div>13:00 - 14:00</div> <div>Panel</div> <div>The importance of government partnerships to drive foreign investments in the oil &amp; gas industry</div>	<div>14:00 - 15:00</div> <div>Panel</div> <div>Striking the balance between profits and production growth – a CFO's outlook</div>	<div>15:00 - 16:00</div> <div>Interactive Roundtable Discussions</div>
	THURSDAY 13 FEBRUARY	<div>09:00 - 09:15</div> <div>Keynote address</div> <div>Role of diversity in advancing industries and global economies</div>	<div>09:15 - 09:50</div> <div>Gender Champions Panel</div> <div>The Importance of Gender Equality for Economic Empowerment</div>	<div>09:50 - 10:30</div> <div>Panel</div> <div>The Great Crew Change - what it is and how does it impact inclusion and diversity initiatives?</div>	<div>10:30 - 11:15</div> <div>Interactive Roundtable Discussions</div>	<div>11:30 - 12:15</div> <div>Panel and Live Q&amp;A</div> <div>The roadmap to achieving gender diversity across all levels of the oil &amp; gas industry</div>	<div>12:15 - 12:45</div> <div>Panel</div> <div>Young women in Energy – Nurturing leaders of tomorrow</div>	<div>12:45 – 13:30</div> <div>Closing Panel</div> <div>Advancing women in Egypt: where are we in this journey and how much further do we need to go?</div>
WOMEN IN ENERGY SESSIONS		<div>15:00 - 16:45</div> <div>Women in Energy Awards Ceremony</div>						

## STRATEGIC SESSIONS IN FOCUS

Tuesday 11 February 2020

Al Manara Theatre

Including live interviews, Roundtables and panel discussions the EGYPS 2020 Strategic Conference will focus on North Africa and the Mediterranean's journey in delivering the energy needs of tomorrow.

### KEYNOTE ADDRESS

**TIMING: 13:30 – 13:50**



**His Excellency Tarek Amer**  
Governor  
Central Bank of Egypt

#### MODERATOR



**Steve Sedgwick**  
Anchor  
CNBC

### GLOBAL BUSINESS LEADERS SESSION

**BALANCING SUPPLY AND DEMAND WITH GEOPOLITICAL UNCERTAINTIES, GLOBAL TRADING AGREEMENTS AND POLICY OBJECTIVES**

**TIMING: 13:50 - 14:50**



**His Excellency Tarek El Molla**  
Minister of Petroleum and Mineral Resources  
Arab Republic of Egypt



**Frank Fannon**  
Assistant Secretary  
Bureau of Energy Resources  
US Department of State



**His Excellency Gabriel Mbaga Obiang Lima**  
Minister of Mines and Hydrocarbons  
Republic of Equatorial Guinea



**John Christmann**  
President and CEO  
Apache



**Brendan Bechtel**  
Chairman and CEO  
Bechtel

#### MODERATOR



**Steve Sedgwick**  
Anchor  
CNBC

### KEYNOTE ADDRESS

**RESHAPING ENERGY MARKETS: THE GLOBAL DISCUSSION**

**TIMING: 14:50 - 15:20**



**Bernard Looney**  
CEO  
BP

#### MODERATOR



**Steve Sedgwick**  
Anchor  
CNBC

### GLOBAL BUSINESS LEADERS SESSION

**THE IMPORTANCE OF FORWARD LOOKING PARTNERSHIPS TO DELIVER GROWTH ASPIRATIONS**

**TIMING: 15:20 - 16:20**



**Olivier Le Peuch**  
CEO  
Schlumberger



**Mario Mehren**  
CEO  
Wintershall Dea



**Seifi Ghasemi**  
Chairman  
President and CEO  
Air Products

#### MODERATOR



**Eithne Treanor**  
Presenter, EGYPS 2020 & CEO  
E Treanor Media



## ROUNDTABLES

Tuesday 11 February 2020

Running simultaneously, the Strategic Roundtables will examine opportunities within the region's oil and gas value chain, promote collaboration, understanding, knowledge share and business opportunity

**TIMING: 16:30 - 17:30**

### ROUNDTABLE 1

Transforming into a regional energy hub



**Eng Osama El Bakly**  
Chairman  
**Egyptian Natural Gas Holding Company (EGAS)**



**Sameh Sabry**  
Senior Vice President and Managing Director – Egypt  
**Wintershall Dea**

At the heart of Egypt's oil and gas sector modernisation and recent transformation is the desire and vision to become a regional energy trading hub. What opportunities does the journey to becoming a hub hold for potential investors and strategic partners? What cutting-edge technologies are required?

#### Attendee Insights

A must attend discussion for executives wanting to gain access to the latest project opportunities and those who are involved in infrastructure investment, trading hub partnerships, technology and services

### ROUNDTABLE 3

Bolstering oil and gas infrastructure



**Eng Waleed Lotfy**  
Chairman  
**Petrojet**



**Maurizio Coratella**  
Chief Operating Officer  
E&C Onshore Division  
**Saipem**

The backbone for the security of energy supply and product delivery to market is available infrastructure within the producing, consuming and transit countries. Dialogue on commercial, financial and technical cooperation between all parties is crucial to ensure effective modernisation, operation and maintenance of pipelines, terminals, storage facilities and ports. What are the latest infrastructure updates and opportunities for collaboration across Egypt, North Africa and the Mediterranean?

#### Attendee Insights

A must attend discussion for executives involved in the financing, implementation, installation, operation and maintenance of oil and gas infrastructure

### ROUNDTABLE 2

Unlocking energy efficiency



**Eng Abed Ezz El Regal**  
CEO  
**Egyptian General Petroleum Corporation (EGPC)**

Implementing economically viable energy efficient projects across the value chain could save the industry millions of dollars, reduce greenhouse gas emissions and dependence on imports. How is Egypt unlocking the full potential of its natural resources and making them energy efficient? What mind-set changes are required to create a transformation culture that buys into and embraces energy efficiency?

#### Attendee Insights

A must attend discussion for executives involved in executing and delivering energy efficient strategies and projects across the value chain, improving operational efficiency and technology innovation

### ROUNDTABLE 4

Replacing fuels with natural gas



**Dr Magdy Galal**  
Vice Chairman for Operations and National Gas Grids  
**Egyptian Natural Gas Holding Company (EGAS)**



**Khaled AbuBakr**  
Chairman  
**TAQA Arabia**

With further reductions in vehicle fuel subsidies, how is the roll-out of bi-fuel vehicles progressing and is there really a local market? What are the implications for refiners? What automotive and petrol station modifications are required? Is there an adequate station network with sufficient accessibility to support roll-out and uptake? What new technologies and innovations are being introduced?

#### Attendee Insights

A must attend discussion for executives involved in marketing and distribution of refined products and forecourt services, natural gas producers looking for new markets, Bi-fuel automotive executives, and vehicle converters.

## SCHLUMBERGER COMMITTED TO SUPPORT EGYPT'S MODERNISATION PROJECT: AN INTERVIEW WITH **KARIM BADAWY**, MANAGING DIRECTOR OF EGYPT AND EAST MEDITERRANEAN AT SCHLUMBERGER

**GOLD SPONSOR**

**Schlumberger**

### How does the company plan to maintain its global position as one of the world's leading technology providers in the energy industry?

There are four elements that derive our strategy as an organisation. They include leading and driving our digital transformation; developing fit-for-basin solutions; capturing value from the performance impact for our customers; and fostering capital stewardship. Our strategy is supported by our modernising operating system and technology platform, which together enables our vision of customer performance.

### What change is digital transformation bringing to your company and your research and development into technologies relevant to the 4th industrial age?

Digital capabilities will enable the next leap in performance across the entire exploration and production (E&P) value chain. Schlumberger, building on its domain knowledge and partnering with leading digital companies, is accelerating investment in digital upstream technology.

### What does the company hope to achieve from the digital transformation with Egypt's petroleum sector?

The digital transformation is a key pillar of the Modernisation Project of the oil and gas sector and Schlumberger is proud to be a strategic partner to the sector bringing our leadership in this space in various domains such as in health safety and environment (HSE). In HSE, our digital applications are utilised in mobile application for risk reporting and hazard identification, in addition to driving applications to monitor, coach and effectively manage journeys and driver's behaviours, as well as use of virtual reality tools to help in HSE training and awareness programmes. We are also proud of deployment of digital solutions to help Egyptian General Petroleum Corporation (EGPC) in monitoring real time production, which is an enabler for decision making process, as well as being the reservoir digital monitoring tools to enhance reservoir production. Schlumberger is also collaborating on Egypt Upstream Gateway leveraging digital enablement to attract increased investments to the oil and gas sector. Schlumberger strategic partnership was showcased in the 2019 Cairo International Communication and Technology (ICT) conference, where the company was a key partner to the Ministry of Petroleum and EGPC, in their first-time participation to such major conference, showcasing the digital innovations across all the sectors in Egypt.

### How is Schlumberger supporting Egypt's Modernisation Project?

Schlumberger is very proud to be a strategic partner to enable Egypt's Modernisation Project for the oil and gas sector. In the Investment Attraction Pillar, the company's contribution came through involvement in the Egypt Upstream Gateway, which is a national project, leveraging the digital innovation. This is in addition to our WG Multiclient leadership and collaboration in the Red Sea and the Gulf of Suez, which enabling Red Sea Bid Round and attracting

new investments for exploration in frontier area. On the Human Resources Pillar, Schlumberger was one of the very first companies who reached out to Ministry of Petroleum and Mineral Resources' Modernisation Project leaders to support. Pillar three, which is focused on people development in the Egyptian oil and gas sector, aligns with one of our three long-established values, people, and therefore we wanted to share our knowledge and expertise with the sector. Via the Middle Management Programme, we managed to train all the pre-selected fast track group, which included more than 100 trainees in addition to 40 middle management technical profiles. The fast track programme was divided into two phases. Phase one was covering soft skills; change management; project management; technical overview about the oil and gas lifecycle and a special overview of all support functions. While phase two will focus on international shadowing and hands-on experience as manager in Oil and Gas sector. Schlumberger is also actively involved in the other pillars such as upstream performance, leveraging our technologies, which fully aligning with our purpose of "Together, we create amazing technologies that unlock access to energy, for the benefit of all". Schlumberger is committed to continue supporting and collaborating in regard to Egypt's Modernisation Project and being the performance partner of choice in oil and gas sector in the country.

### EGYPS has a growing Youth Engagement Programme bringing high school children to the exhibition to have better understanding of oil and gas sector. How would you like to see the programme further develop and empower young generations?

In Schlumberger, our approach to sustainability is rooted in a long-standing culture of social and environment stewardship. Taking our HSE programme for youth as an example, the programme mobilises employees and their spouses to share expertise within our communities, specifically targeting the youth. It informs and empowers young people to make responsible, safe, globally and personally considered decisions regarding HSE issues. More than 4,000 young people participated in 199 HSE youth workshops held in 41 countries in 2017, which includes more than 400 children of our customers, and 1,600 children from local communities including schools and orphanages. Taking the similar approach to HSE for youth programme, which has very limited power-point approach and engaging workshops, the youth programme can bring the further impact and will engage awareness sessions regarding Sustainability Development Strategy. On the same note, Schlumberger will be signing a Sustainability Memorandum of Understanding (MoU) with the ministry during EGYPS 2020, to enhance awareness and collaboration of sustainability initiatives, for the benefit of the entire oil and gas sector and its joint venture bodies



TOGETHER, WE  
CREATE AMAZING  
TECHNOLOGIES THAT  
UNLOCK ACCESS TO  
ENERGY, FOR THE  
BENEFIT OF ALL



VISIT US AT

**STAND NUMBER: 2B40**

**HALL 2**

# 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)



## 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.



**EGYPS 2020 TECHNICAL COMMITTEE CHAIRMAN**  
Eng. Mohammed Abd El-Azeim  
Chairman  
South Valley Egyptian Petroleum Holding Company (GANOE)



With Egypt's growing importance in the oil and gas arena, Egypt Petroleum Show (EGYPS) provides an excellent opportunity to meet and network with industry peers, exchange ideas and learn about the latest trends across the entire oil and gas value chain. It gives me a great pleasure to be part of it chairing the EGYPS 2020 Technical Committee.



### Day 1: Tuesday 11 February 2020

Time: 14:00 – 15:30

	<b>CATEGORY: OPERATIONAL EXCELLENCE (OpEx)</b> <b>SESSION 1: IMPROVING PRODUCTIVITY, REDUCING EXPENSES</b> <b>LOCATION: PLAZA 1, ROOM 1</b>		<b>CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)</b> <b>SESSION 2: SUCCESSFUL PROJECT EXECUTION</b> <b>LOCATION: PLAZA 1, ROOM 2</b>
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Time: 14:00 – 15:30

	<b>CATEGORY: EXPLORATION: RESERVOIR CHARACTERISATION (EXPL)</b> <b>SESSION 3: TACKLING RESERVOIR EVALUATION CHALLENGES</b> <b>LOCATION: PLAZA 2, ROOM 3</b>		<b>CATEGORY: UNCONVENTIONAL OIL AND GAS RESOURCES DEVELOPMENT (URD)</b> <b>SESSION 4: TAPPING INTO UNCONVENTIONAL RESOURCES</b> <b>LOCATION: PLAZA 2, ROOM 4</b>
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Time: 15:30 – 17:00

	<b>CATEGORY: OPERATIONAL EXCELLENCE (OpEx)</b> <b>SESSION 5: IMPROVING ENERGY EFFICIENCY</b> <b>LOCATION: PLAZA 1, ROOM 1</b>		<b>CATEGORY: PROJECT MANAGEMENT AND EXECUTION (PM)</b> <b>SESSION 6: MITIGATING PROJECT MANAGEMENT CHALLENGES</b> <b>LOCATION: PLAZA 1, ROOM 2</b>
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Time: 15:30 – 17:00

	<b>CATEGORY: EXPLORATION: RESERVOIR CHARACTERISATION (EXPL)</b> <b>SESSION 7: INNOVATION IN RESERVOIR EVALUATION</b> <b>LOCATION: PLAZA 2, ROOM 3</b>		<b>CATEGORY: UNCONVENTIONAL OIL AND GAS RESOURCES DEVELOPMENT (URD)</b> <b>SESSION 8: INNOVATIVE STRATEGIES IN ENHANCED OIL RECOVERY</b> <b>LOCATION: PLAZA 2, ROOM 4</b>
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# GROWTH WITH ENERGY



**TransGlobe Energy**  
CORPORATION



## LEVERAGING THE MEDITERRANEAN: AN INTERVIEW WITH **MATHIOS RIGAS**, ENERGEAN'S CEO

### How is Energean leading the sustainable development of natural resources in the Mediterranean?

Energean operates assets in the Mediterranean which have been producing hydrocarbons for almost 40 years with an excellent health, safety, and environment (HSE) track record. Energean started as an almost 100% oil producer with just 2 million barrels of 2P reserves, however, after the acquisition of the Edison exploration and production (E&P) assets, it has now evolved as an E&P company with approximately 600 million barrels of oil equivalent (mmboe) of 2P reserves and around an 80% gas-weighted portfolio.

We are committed to the Science Based Targets initiative (SBTi) for reducing our greenhouse gas (GHG) emissions, in line with the SBTi criteria across our value-chain activities, by adopting a two-year medium-term plan with a duration of 5-15 years. Our commitment to the environment was underlined by Energean being one of the first E&P companies to commit to become a net zero emitter by 2050 and to run an ambitious, but realistic, near-term plan to reduce our GHG emissions' intensity by more than 70% in just three years from now. We also strive to meet the United Nations' 17 Sustainable Development Goals (SDGs) through our day-to-day operations and a wide range of corporate social responsibility (CSR) initiatives.

With the support of our key stakeholders, we seek to achieve sustainable development, which is firmly guided by our values, namely; our ethics, responsibility, transparency, and accountability. Creating an attractive workplace helps us being an employer of choice, mitigating environmental impacts; minimising our footprint; and supporting local communities. Our strategy is quite clear, which is showcased in our: Environmental, Social, and Governance (ESG) Stewardship, Risk Mitigation, Operational Excellence, Effective Project Execution, and Disciplined Capital Allocation.

### In what ways can Energean benefit from the Eastern Mediterranean Gas Forum (EMGF)?

Energean participated in the first Gas Industry Advisory Committee (GIAC) meeting held in Cairo.

GIAC is a permanent committee within the EMGF for engaging in dialogues between state-owned

entities, regulatory authorities, oil and gas companies, gas business enterprises, industry entities, and international financial institutions. The committee's main purposes are to enhance competitiveness, optimise infrastructure and harmonise regulation, whilst building a sustainable, cost-efficient energy market.

Through the EMGF, in collaboration with its member countries, comprising Egypt, Italy, Israel, Greece, Jordan, Lebanon, Cyprus, and the Palestinian Authority, in addition to the operators in the region, we can achieve this goals that will strongly benefit the economies, companies, and population in the region.

I would like to highlight that Energean is also active in the East Med Pipeline Project, which aims at supplying Europe from the region's gas fields. We are building our own infrastructure, known as the Energean Power, which will be the first floating production storage and offloading (FPSO) to operate in the Eastern Mediterranean, aiming at supplying the markets of the region with gas with a capacity of 8 billion cubic meter (bcm) per year. Given the fact that the Eastern Mediterranean has emerged as a key region to supply Europe and other markets with gas, in addition to the fact that we are confident that we and other operators will discover more gas we are considering to further increase the capacity of our infrastructure.

### What are the latest updates on the Edison E&P acquisition and Energean's plans in Egypt?

We are working closely with the team at Edison and the governmental authorities that are responsible to complete this transformational acquisition. Following the completion of the deal, Energean will be adding production, development and exploration assets and running various activities in eight Mediterranean countries, namely Egypt, Italy, Israel, Greece, Croatia, Montenegro, Malta, and Cyprus.

Egypt has always been a key country for Energean. We started operating in 2010 and we are strongly committed to the country. The Edison E&P acquisition brings a significant amount of daily production as well as a very important commercial agreement with the Egyptian General Petroleum Corporation (EGPC) to buy the gas produced from the Abu Qir field, one of Egypt's main producing fields. We are also looking forward to the development of Python and Yazzi at North El Amyria, where the two fields are 100% owned and operated by Edison NEA concession, and Idku. We are also excited to explore, discover, and develop the potential of concessions such as the North Thekah, and we are confident that the Egyptian market will provide us with further opportunities in the mergers and acquisitions M&A front, too.

### Do you think EGYPS can be a catalyst to the energy transition in the region?

The year 2019 has undoubtedly been the

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year that climate change has dominated the energy discussion. Despite the fact that renewable energy is the fastest growing source of energy, the transition to a 100% renewables-consuming world is a long way off. As the natural gas usage grows much faster than either oil or coal, it will be the driver in this energy transition era.

EGYPS 2020 hosts top level officials from governments and companies, and I expect that the debate on energy transition will be high on the agenda of this conference. The main challenge the energy sector needs to deal with efficiently is to make sure that the energy transition will run smoothly, without any problems in the supply of clean and affordable energy to consumers worldwide. Thus, landmark events like this one, are important channels through which the collaboration of all influential parties can be strengthened and properly orientated towards the achievement of the goals I have just described.

### Do you believe that EGYPS is helping companies such as Energean in achieving their goals?

We believe that organisations such as EGYPS really do have the ability to help companies like ourselves achieve their goals. The conference will shed light on how the industry will be able to deliver the energy needs of tomorrow and we hope that our participation on a number of panels will help further this debate within our industry.

In addition to speaking on panels, we will also man our booth with experienced colleagues that will be keen to introduce Energean to a distinguished audience and answer questions about the company and its future plans.

Our booth and the material we present in it will convey our main message: Energean is set to become a leader in the development of the resources in the region and will play a key role in the security of gas supply to consumers. We will be happy and proud to welcome you to Energean's booth in EGYPS 2020!

VISIT US AT

STAND NUMBER: **2C60**

**HALL 2**





# ITALIAN TECHNOLOGIES FOR OIL & GAS

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



HYDROSTATIC TESTING  
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DRYING



## EGYPT'S OIL & GAS SECTOR YEAR 2019: AN INTERVIEW WITH **ENG. WALEED LOTFY**, PETROJET'S CHAIRMAN

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### What are Petrojet's plans to optimize its role in providing the oil, gas and petrochemical industries with different service?

We always pride ourselves as being the strong construction arm of the Egyptian petroleum sector for over 44 years. The sustainability of this role is a main pillar of Petrojet's core ideology. Today, Egypt in general, and the petroleum sector in specific, are developing with a super-fast pace. Egypt will transfer to a regional hub for oil and gas trading. The petroleum sector will become a role model for other sectors of the state in modernisation and development.

In order to cope with this pace and maintain our national role and principle contribution to the sector, we take strategic steps to maintain the development of our capacities and maximise localisation across the whole value chain of project development to benefit the petroleum sector and the country. We are continuously investing in training our people, expanding our fleet of construction equipment, qualifying our fabrication workshops with the international technical certificates, and applying the latest technologies, while working on increasing productivity and efficiency. We are integrating more with sister companies inside the petroleum sector to achieve the optimal use of resources.

Meanwhile, with resources and capabilities growing, we are also in the search for new opportunities and markets to utilise our spare capacities.

### What is Petrojet's strategy to continue dominating the fabrication field of offshore oil and gas production facilities through its two marine yards at Maadia and Zeit Bay?

It is no secret that Petrojet has the exclusive privilege of possessing two marine fabrication yards smartly located on the Red and Mediterranean Seas.

Our strategy is simple. We continue to develop our capability and experience, while retaining best calibres in the offshore business in order to satisfy all requirements of our petroleum sector clients as a first priority.

We are also targeting new markets in the Mediterranean and across the African continent. Mozambique, Angola, Equatorial Guinea, and Congo are definitely very important markets that we are following closely. Mauritania and Senegal are markets that we are monitoring as prospects over the coming couple of years.

### Petrojet has taken considerable strides in providing the sector with all types of process equipment. Could you elaborate on that? What is the company's strategy for a more consolidated role in the future?

Since 1989, when we have setup our main process equipment fabrication facility in Kattamia with world class standards in Egypt.

Ever since, we have lived up to the expectations of our clients inside the Petroleum sector and also the industrial sector. Today, we own six fabrication facilities in Egypt, Iraq, Oman, and soon in Saudi Arabia. We proudly own an impressive record of over 1,500 equipment fabricated to the most stringent codes of the oil and gas industry. It is worth mentioning the all our workshops are licenced with ASME (U, U2, S, P)

stamps, in addition to API Monogram and R-Stamps. Recently, we have received the Nuclear Component Certification (N-Stamp), which attests our uncompromised commitment in accordance with the most rigorous layer for safety and quality related to nuclear power plants.

We are also proceeding to whole new frontier, whereby we are proceeding for first time to fabricate critical equipment.

As far as fabrication is concerned, we are looking forward with great enthusiasm to challenging years ahead. We are up and ready for this challenge.

### What are your expectations for EGYPS 2020?

For an event that is only three years old, EGYPS is an absolute success story. This event never ceases to surprise us every year with an astonishing pace of expansion.

I expect this round to be as successful as the previous ones, and attract even more leaders and experts from the oil and gas industry. I consider this a great opportunity to showcase our capabilities and network with companies and clients attending from everywhere in the world.

I am really proud that Petrojet is sponsoring EGYPS 2020.

### EGYPS has a digitalisation zone. From your opinion, to what extent is digitalisation crucial for the sector's transformation?

Thank you for this very important question. The fourth industrial revolution (aka 4IR) is already upon us. We will live the age of digitalization, comprising such technologies like the Internet of Things, artificial intelligence, and many others.

The petroleum sector has always been a dynamic and youthful sector. Bringing technologies on board, which is essentially, an integral pillar of the programme ongoing for petroleum sector modernisation.

At Petrojet, with our exclusive position as the construction arm of the petroleum sector, we need to live up to the expectation of our clients. We have a national role that we must fulfil. All our projects always come with very tight schedules, while quality and safety are un-comprisable.

That is why we need to embrace latest technologies that guarantee best utilisation, best efficiency, and best effectiveness of our resources. We need to engage now in this new era, otherwise we will be held back and lose our exception. We need to be 4IR-ready.

We have our exploration and development (E&D) Division working on some initiatives.

### Could you comment on considering women as an integral part of the oil and gas sector? What are Petrojet's plans to support them?

It is currently a fact that women in Egypt are playing an increasing role in all industries including the oil and gas sector. Thanks to the country's consolidated support, women representation in leadership position has been remarkably promoted in the last decade, and we can see increasing numbers of women serving as a head of governorates, ministries, and large economic entities.



One of our main values in PETROJET is equality. We grant equal employment opportunities, career growth and development based on fair and clear evaluation criteria irrespective to gender differences. Women in PETROJET are occupying different positions from administrative, finance, and field engineering, to upper management.

Nevertheless, our human resources regulations provide privileges and rights to working women, helping them achieve a work/life balance in regards of working hours, maternity leave and many others.

### EGYPS help unite oil and gas industry's international and national key leaders. To what extent does this help ameliorate the oil and gas sector globally? How will this unity improve the sector in Egypt?

The event is growingly attracting the attention of industry experts across the globe. It is now a destination of choice for all industry leaders and experts looking forward to update on latest developments in this area of the world.

So, obviously EGYPS provides a very effective platform for a healthy exchange of the latest studies and technologies that will definitely push the industry forward. This definitely extends to the sector in Egypt as well.

On the other hand, a prestigious event of this size, obviously reflects the real image of Egypt.

VISIT US AT

STAND NUMBER: **2C50**

**HALL 2**



Abu Dhabi International Petroleum Exhibition & Conference  
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# DON'T MISS TOMORROW'S SESSIONS

## STRATEGIC SESSIONS

### GLOBAL BUSINESS LEADERS SESSION

**RESPONDING TO ENERGY TRANSITION AMIDST MARKET VOLATILITY – A THREAT OR AN OPPORTUNITY? WHAT DOES THE FUTURE HOLD?**

**TIMING: 10:00-10:50**



**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  
Organization of the Petroleum Exporting Countries (OPEC)



**Pál Ságvári**  
Ambassador-at-Large for Energy Security  
Ministry of Foreign Affairs and Trade  
Hungary



**Eithne Treanor**  
Presenter, EGYPS 2020 & CEO  
E Treanor Media

**MODERATOR**

### GLOBAL BUSINESS LEADERS SESSION

**DELIVERING VALUE ACROSS THE DOWNSTREAM LANDSCAPE**

**TIMING: 10:50-11:40**



**Ibrahim Al-Buainain**  
CEO  
Aramco Trading



**Dr Saad Helal**  
CEO  
Egyptian Petrochemicals Holding Company (ECHM)



**Andreas Shiamishis**  
Chief Executive Officer  
Executive Member of the Board of Directors  
Hellenic Petroleum



**Jean Sentenac**  
President and CEO  
Axens



**Stanislas Mittelman**  
Senior Vice President  
Africa Division  
Total Marketing & Services



**Richard Westerdale**  
Representative  
Bilateral US-Arab Chamber of Commerce

**MODERATOR**

### GLOBAL BUSINESS LEADERS SESSION

**TRANSFORMING THE EAST MEDITERRANEAN GAS AND LNG MARKET**

**TIMING: 11:20 - 12:10**



**Donald Bagley**  
Vice President  
Exploration and New Ventures (Europe, Russia, Caspian, MENA)  
ExxonMobil



**Professor Toula Onoufriou**  
President  
Cyprus Hydrocarbons Company (CHC) and Professor Cyprus University of Technology



**Hon. Abdulsamad Abdulrahim**  
Chairman  
Association of Tanzania Oil & Gas Service Providers



**Houda Dabbousi**  
Vice President  
Commercial MENA  
Royal Dutch Shell



**Mathios Rigas**  
CEO  
Energean



**Mahdjouba Belaïfa**  
Head, Gas Market Analysis Department  
Gas Exporting Countries Forum Secretariat (GECF)



**Eithne Treanor**  
Presenter, EGYPS 2020 & CEO  
E Treanor Media

**MODERATOR**

**WE LOOK FORWARD TO SEEING YOU TOMORROW**

### GLOBAL BUSINESS LEADERS SESSION

DRIVING AN ATTRACTIVE OIL AND GAS INVESTMENT CLIMATE IN EGYPT, NORTH AFRICA AND THE MEDITERRANEAN

TIMING: 13:30 - 14:30



**Ashraf Farag**  
First Undersecretary for  
Agreements and Exploration  
**Ministry of Petroleum and  
Mineral Resources**  
Arab Republic of Egypt



**Mansoor Al Hamed**  
Chief Growth Officer  
**Mubadala Petroleum**



**Shahrizal Bin Shahari**  
CEO  
**Petronas Egypt**



**Richad Soundardjee**  
Chief Executive Officer  
**Middle East  
Societe Generale**

#### MODERATOR



**Khaled AbuBakr**  
Chairman  
**TAQA Arabia**

### IN CONVERSATION WITH

OIL AND GAS INNOVATION AND TECHNOLOGY IN THE 4TH INDUSTRIAL AGE

TIMING: 14:30 - 15:00



**Lorenzo Simonelli**  
Chairman and CEO  
**Baker Hughes**

#### MODERATOR



**Eithne Treanor**  
Presenter, EGYPS  
2020 & CEO  
**E Treanor Media**

### CLOSING KEYNOTE ADDRESS

THE OUTLOOK FOR EGYPT'S FUTURE AS THE MEDITERRANEAN'S REGIONAL ENERGY TRADING HUB

TIMING: 15:00 - 15:30



**His Excellency Tarek El Molla**  
Minister of Petroleum and Mineral Resources  
**Arab Republic of Egypt**

#### MODERATOR



**Eithne Treanor**  
Presenter, EGYPS  
2020 & CEO  
**E Treanor Media**

## TECHNICAL CONFERENCE

		ROOM 1	ROOM 2	ROOM 3	ROOM 4
TECHNICAL SESSIONS WEDNESDAY 12 FEBRUARY	10:00 – 11:30	<b>Session 9:</b> Mitigating risks and improving asset integrity	<b>Session 10:</b> Operation challenges and excellence	<b>Session 11:</b> Unlocking potential of mature basins	<b>Session 12:</b> Geotechnology
	11:30 – 13:00	<b>Session 13:</b> Improving refinery economics	<b>Session 14:</b> Innovation in gas processing technologies	<b>Session 15:</b> Enhanced oil recovery (EOR)	<b>Session 16:</b> Achieving performance optimisation through digitalisation
	14:00 - 15:30	<b>Session 17:</b> Developments in refining technologies	<b>Session 18:</b> Renewable energy projects	<b>Session 19:</b> Successful field development case studies	<b>Session 20:</b> Smart decision making using AI and advanced analytics
	15:30 - 17:00	<b>Session 21:</b> Technologies' role in reshaping the petrochemicals future	<b>Session 22:</b> Developments in biofuels	<b>Session 23:</b> Reservoir engineering, monitoring and testing technologies	<b>Session 24:</b> Smart digital oilfields

## ABOUT THE HSE IN ENERGY CONFERENCE

The EGYPS 2020 HSE in Energy Conference addresses the most pressing and relevant issues for Egypt, North Africa and the Mediterranean. With topics ranging from safety culture, the role of leadership in HSE, raising employees' awareness to the applications of digitalisation in HSE, process safety and environmental sustainability, the conference offers a range of strategic keynotes, interactive panel discussions and a speed-networking experience that altogether will help to not only learn from top senior regional and international HSE professionals but also gain new valuable contacts within the industry.



WEDNESDAY 12 FEBRUARY 2020

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## CONFIRMED SPEAKERS INCLUDE



**His Excellency Tarek El Molla**  
Minister of Petroleum and Mineral Resources  
Arab Republic of Egypt



**Her Excellency Dr Yasmine Fouad**  
Minister of Environment  
Arab Republic of Egypt



**Wolfgang Faist**  
Senior Vice President  
HSEQ  
Wintershall Dea GmbH



**Mohamed Kermoud**  
Global Vice President  
HSE  
Schlumberger



**Iman Hill**  
COO  
Energear



**Lucien Bianchi**  
Global Director of HSE and Service Quality  
Halliburton



**Leigh-Ann Russell**  
Head of Procurement & SCM (Upstream)  
BP



**Ahmed Abdrabo**  
Assistant Chief of Petroleum Central Department  
Ministry of Petroleum and Mineral Resources



**Captain Andreas Zacharia**  
Operations Officer  
Cyprus Joint Rescue Coordination Center



**John Fotopoulos**  
Refinery HSE Director  
Hellenic Petroleum Group



**Chee Tsong Chok**  
GM Safety and Environment, Conventional O&G, Shell



**Yasser Nashaat**  
Deputy Managing Director  
TAQA Arabia



**Ashraf Ramadan**  
Assistant Chairman for Environment.  
Egyptian Natural Gas Holding Company (EGAS)



**Ehab Ali**  
Chairman Assistant for HSE  
Khaldia Petroleum



**Sergey Peresypkin**  
Director of HSE  
MENAT & India  
Baker Hughes



**Olav Magnus Skår**  
Director of Health, Safety, Security, Subsea and Wells  
International Association of Oil & Gas Producers (IOGP)



**Irene Eleftheriou**  
Project Engineer/HSSE Officer  
Cyprus Hydrocarbons Company



**Mohamed A. Hassan**  
Managing Director - Environment, Sustainability, & CSR  
Carbon Holdings Ltd.



**Ahmed Soltan**  
Managing Director  
Bilfinger-Tebodin



**Ahmed Mohammed Ibrahim Roustom**  
Risk Assessment and OHS Technical Studies Assistant  
General Manager  
Egyptian Natural Gas Company (GASCO)



**Martin Rodriguez-Villa**  
Country Director  
The Oil & Gas Year



**Luciano Scataglini**  
Global Senior Knowledge Owner  
Eni

## PROGRAMME SUMMARY

09:30 - 10:30

Coffee and speed-networking

10:30 - 10:40

**Keynote**  
from the Ministry of Environment

10:40 - 10:45

**Opening remarks**

10:45 - 11:45

**Panel discussion**  
The importance of raising personnel awareness within your organisation

11:45 - 12:00

Coffee break and networking

12:00 - 13:00

**Rapid fire session**  
Tackling HSE challenges

13:00 - 14:00

Lunch and networking

15:00 - 16:00

**Panel discussion**  
The role of leadership when pursuing high HSE standards – sharing experiences and lessons learnt

15:00 - 16:00

## WHY SHOULD YOU ATTEND?

- **Discuss** and exchange ideas with senior regional and international HSE experts and oil and gas business leaders
- **Find** new ways to adhere to high HSE standards that will help minimise risks and ensure cost savings
- **Hear** about methods and techniques to raise employees' awareness and practical ways to stimulate the adoption of an effective safety culture
- **Gain** insights into global best practices, effective solutions to HSE challenges and ways to make oil and gas operations more environmentally friendly
- **Network** with speakers and delegates and gain new contacts of senior HSE professionals and decision makers from national and international oil and gas operators, government, EPC contractors, service companies, as well as HSE equipment and technology provider



## HSE EXCELLENCE IN ENERGY AWARDS SHORTLISTED FINALISTS



 <b>BEST HEALTH AND SAFETY PROJECT OF THE YEAR</b>				SPONSORED BY 
<b>Zero Hand Injuries</b>  <b>Ahmed Tawfik</b> Maintenance Engineer  	<b>EDC Ramadan Road Safety Campaign</b>  <b>Ahmed Farag</b> QM-HSE Manager  	<b>Modernisation of Driving Safety in Egypt through Technology</b>  <b>Tamer El-Houry</b> HSE Specialist  	<b>Care Delivers World-class HSE Performance</b>  <b>Gihan Badie</b> Country Health Manager  	
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 <b>HSE LEADER OF THE YEAR</b>				SPONSORED BY 
 <b>Hesham El-Hamamhy</b> Corporate Safety Manager Petroleum Air Services	 <b>Mohamed Abdelgalil</b> Deputy HSE General Manager Rashid Petroleum Company (Rashpetco)	 <b>Mohamed Khalaf</b> Corporate HSE Leader Giza Systems	 <b>Tamer Mohamed Aieysh</b> HSE General Manager Rashid Petroleum Company (Rashpetco)	

## 2020 REGIONAL SELECT JURY



**Gamal Fathy**  
CEO Assistant for HSE  
EGPC



**Khaled Faheem**  
HSE Country Manager  
Baker Hughes



**Mohammed Bahatem**  
Vice President, HSE & AI  
Mubadala Petroleum



**Wael Amin**  
Head of HSE  
Kuwait Energy Company



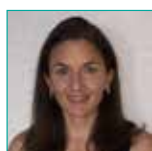
**Gaetano Antinolfi**  
HSE Operations Manager  
Eni



**Adham Goma**  
Programmes Engineer  
Europe, Africa, Middle East  
ExxonMobil



**Hatem Bashandy**  
HSEQ Area Manager  
Halliburton



**Alex Roberts**  
EEM HSE Manager  
Schlumberger



**Blake Jared**  
HSE Country Manager  
Apache



**Moataz Darwish**  
Deputy Chairman  
Shell



**Ali Hegab**  
Independent Oil and Gas  
Consultant



**Khaled Nabil Ahmed**  
Regional Operations  
Health and Safety Team Leader  
BP

EXHIBITOR: KUWAIT ENERGY

STAND: 3B50 | HALL: 3

## KUWAIT ENERGY SHOWCASES LATEST OPERATIONS EXCELLENCE MANAGEMENT SOLUTIONS

Kuwait Energy is an independent oil and gas company. Our activities mainly focus on exploration, appraisal, development, and production of hydrocarbons. Since our establishment in 2005, we have succeeded in creating a high-quality and a diversified portfolio for our oil and gas assets in the Middle East and North Africa (MENA) region, across Egypt, Iraq, Yemen, and Oman. Our portfolio comprises 10 exploration, development, and production assets; of which we operate seven.

We are honoured taking part in EGYPS, held on February 11-13, 2020, as an exhibitor and a Diamond sponsor. Over its yearly consecutive editions, EGYPS provides us with a great opportunity to meet and connect our prominent stakeholders, in addition to strengthening our mutual bond.

Across the three-day event, we will meet you in person instead of communicating over phone calls or via emails. It will be always a pleasure to speak to you while attending the show and we would welcome you to come and visit us at our booth.

In our booth, we showcase our latest range of operations excellence management solutions, taking into consideration our systematic approach and our commitment to accomplish incident-free operations, always and everywhere.

Moreover, we provide a common process that can be used in our operations around the world. This process enables us to manage our health, safety and environment (HSE) system and continually improve our operations' reliability, efficiency and integration.



Driven by leadership, we offer a system that adopts best practices and standards, in order to help our group attain a world-class performance and deliver our sustained values.

Mark your calendars, come and visit our stand. We look forward to seeing you there!

EXHIBITOR: EXXONMOBIL

STAND: 2A50 | HALL: 2

## EXXONMOBIL EGYPT RE-ENTERS UPSTREAM OPERATIONS



ExxonMobil Egypt is participating in EGYPS 2020 as a Diamond sponsor for the fourth year. The company builds on almost 120 years of successful partnership with Egypt, all the way back to 1902 when kerosene was the primary product supplied. Today, ExxonMobil Egypt continues to be a premier fuels and lubricants marketer and a technology leader in Egypt.

With a strong footprint in the downstream business, ExxonMobil is expanding through its recent entry in the upstream operations after being awarded the North East El Amriya offshore block, and the North Marakya offshore block in Egypt. ExxonMobil Egypt embraces technology and sustainable processes to ensure flawless operations, and support Egypt's energy challenges. We believe in giving back and investing in the communities where we operate.

Our exhibition booth is designed to reflect our history, our operations excellence, our focus on products' integrity, our technology leadership in both upstream and downstream operations, and our community investments which focus on education, youth development and women economic opportunities. Stemming from our focus on developing the new generation of leaders in the energy sector, ExxonMobil Egypt is presented as the headline sponsor at the EGYPS Youth Engagement Program, with an interactive exhibition space following on the program's success in EGYPS 2019.

We are keen to continue sponsoring this initiative which promotes the oil and gas industry to high school students. Aligning with our vision, our communities' investments, youth development and capacity building are critical to the success of the oil and gas modernisation strategy in Egypt.

In EGYPS 2020, we plan to introduce new elements to compliment the upgrade in the program's components, which aim to enrich the experience and learning of the participating youth. Looking forward to welcoming the attendees, participants and visitors to our booth in EGYPS 2020 exhibition hall and the Youth Engagement Program booth.

EXHIBITOR: DRAGON OIL

STAND: 3A20 | HALL: 3

## DRAGON OIL: A TANGIBLE EXAMPLE FOR SUCCESSFUL EXPANSION

Dragon Oil is an oil and gas company engaged in exploration, development and production activities. It is leading the industry with its cutting-edge technology and expertise to achieve a sustainable development and create value for its shareholders. Dragon Oil was founded in 1971. It has assets across the Middle East, Central Asia and North Africa. The company is currently owned by the Emirates National Oil Company Limited (ENOC).



Dragon Oil has succeeded in hitting a production level of around 50,000 barrels per day (bbl/d) of crude oil in 2009-2010. Moreover, in 2010, it achieved a key milestone of having laid a new 30-inch, 40 kilometres (km) offshore and onshore trunk line to bring oil and natural gas ashore, as well as expanding its central processing facility.

In 2014, Dragon Oil, in partnership with Enel, was awarded two onshore exploration perimeters in Algeria and made two successful oil discoveries in Iraq's Block 9, in partnership with Kuwait Energy. The block has a production of about 25,000 bbl/d of oil, and a development plan is being formulated to increase production to 100,000 bbl/d of oil. Additionally, Dragon Oil won an offshore exploration block in Egypt.

Furthermore, in 1999, a production sharing agreement for the redevelopment of the Cheleken contract area in the Caspian Sea, was signed between the State Agency for the management and use of hydrocarbon resources and Dragon Oil. Cheleken's production reached 90,000 bbl/d, and the company plans to increase oil production further and to develop non-associated natural gas resources.

In 2019, Dragon Oil acquired BP's interests in Egypt's Gulf of Suez Petroleum Company (GUPCO). This deal comes in line with the growth objectives of Dragon Oil, which aim at enabling the company's diversification of the production portfolio.

Dragon Oil is fully engaged with GUPCO to finalise plans to increase its production. The plan consists of increasing production from existing fields and exploring new prospects, with investments of up to \$6 billion in the next 10 years.

EXHIBITOR: **PICO ENERGY**

STAND: **2F20** | HALL: **2**

## PICO ENERGY: THE BLUE INFORMATION AND TECHNOLOGY TUNNEL

PICO ENERGY is an international oilfield and marine services company. It is established in 1974, providing its customers with full integrated services; ranging from surface well testing, coiled tubing, pumping services to drilling fluids, downhole tools, machine shop and fabrication projects, and marine services.

EGYPS 2020 is a valuable opportunity which enables us to showcase our services and operations in Egypt. Thus, we, in PICO ENERGY, are honoured to invite you all to our booth.

Our global presence and operations have played a vital role in shaping who we are today, but Egypt is where it all started. In this year's edition of EGYPS, you will have

the chance to enter the first Egyptian services company to operate in Egypt for near half a century.

During EGYPS 2020, our visitors can experience diverse segments in their own stations, where they will get a chance to see and feel our services, know more about our breakthrough case studies, as well as put their hands on the technologies we provide to our clients and to the industry, in terms of 'fit-for-purpose' approach strategies.

Moreover, we are going to exhibit collaborations and alliances that are currently happening, with the aim at extending our breadth in the core of the Egyptian oil and gas market.



Our booth will be open to all industry professionals to share our knowledge, experience, networking, as well as highlight the opportunities that arise during convening the most prominent event of the year, EGYPS 2020.

We look forward to hosting you and sharing our success story with you.

EXHIBITOR: **TMK**

STAND: **3C20** | HALL: **3**

## TMK: LEADING PRODUCER OF TUBULAR PRODUCTS

TMK is one of the world's leading producers of tubular products for the oil and gas industry. Since 2009, the company has been ranked the first in the world, according to the volume of pipes shipped. In 2018, TMK's pipe shipments reached 4.01 million tonnes.



Moreover, TMK operates several production sites in Russia, Romania and Kazakhstan. In addition to that, the company has a high steel pipe production capacity, with the largest share of sales dedicated to the oil country tubular goods (OCTG).

Additionally, TMK constantly develops its strategy and implement new solutions to meet its clients' needs. Thus, the company exerts efforts on research through its own research and development (R&D) centres. The R&D centres focus on developing new products' design and development, experimental and validation testing, as well as advanced research introducing new technologies to meet the clients' needs.

Furthermore, TMK provides its clients with a wide range of steel pipes used in the oil and gas sector, chemical and petrochemical industries, energy and machine-building, construction, agriculture and other economic spheres.

Egypt is considered one of our main markets since we introduced our global sales presence. We believe in Egypt's vision and we see a lot of potential in the growth plans that have been set for the country.

### Considering Egypt's needs, our technologies include:

- GREENWELL dope-free coating technology for our TMK UP premium connection. Polymer coating is a cutting-edge alternative to standard dope for threaded connections that ensures gas tightness of pipe connections along with compliance with environmental regulations and safer operating conditions.
- TMK UP CENTUM third generation premium threaded and coupled connection. It has a unique design for quick assembly and seal-ability under severe well conditions. Also, it is tested and validated per API 5C5 CAL IV under 100% tension and 100% compression.

EXHIBITOR: **FUGRO**

STAND: **2J39** | HALL: **2**

## FUGRO OFFERS CREATIVE GEOSPATIAL DATA, ANALYSIS, SOLUTIONS

Fugro is the world's largest collector and integrator of geophysical, geotechnical, geoscience, and subsea data in order to support our clients' construction and infrastructure projects.



We succeeded in providing our clients with intelligent geospatial data, analysis and solutions, which are essential to optimise the design, construction, installation and operation of marine and land infrastructure, industrial installations, transport systems, and major buildings.

Fugro has supported Egypt's oil and gas exploration and development activities for over 30 years. Recently, the company has introduced a new offshore survey vessel, Kobi Ruegg. The new vessel uses our latest technologies to carry out a wide range of survey activities in water depths range from 10 metres to thousands of metres.

Additionally, Fugro has added onshore geotechnical site investigation services which includes investing in drilling, seismic and Cone Penetration Testing (CPT) equipment, a certified geotechnical laboratory testing facility for soil and rock classification, and deformation and strength testing. Recent projects include site investigations in the central business district of the New Capital.

Furthermore, Fugro provides other specialised services including offshore precise-positioning, subsea intervention and tooling, autonomous underwater vehicle (AUV) surveys, oceanographic measurements and weather forecasting. Through our services, we aim to help our clients achieve optimum results.

Since the beginning of 2019, Fugro's operations in Egypt have been managed and supported from new purpose-built premises located in Zahraa El Maadi that will help us deliver our services to the Egyptian market more efficiently.

Fugro is committed to continuing its support to Egypt's development strategy through providing high quality services, offering the right services on time, using trained and experienced personnel, deploying new technologies and equipment, and delivering relevant data and reports. In addition to that, we focus on maintaining a safe and healthy work environment, in accordance with Egypt's applicable laws and our health, safety and environment (HSE) policies.

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OUT FOR  
THE RAFFLE  
DRAW**

**EVERY DAY  
AT 16:00**



**EGYPS STAND  
3H32, HALL 3**

**LUCKY  
WINNERS WILL**

**BE ANNOUNCED  
DURING THE  
SHOW DAILY**



EXHIBITOR: SCHLUMBERGER

STAND: 2B40 | HALL: 2

## SCHLUMBERGER EXHIBITS RECENT TECHNOLOGIES, UNLOCKING ACCESS TO ENERGY

At EGYPS 2020, Schlumberger plans to demonstrate how its integrated and digital technologies work together across the exploration and production (E&P) value chain to maximise return on investment. So, kindly pay our booth a visit to engage with our domain experts and digital technology displays, in addition to attending our on-booth presentations. Furthermore, Schlumberger will be highlighting solutions, suited to address the challenges of the Egyptian oil and gas industry.

### Our key technologies and services include:

- Schlumberger believes in our ability to address the sustainable development of energy with technologies such as Thiopaq\* Technology, an Environmental Technology Verification (ETV); Apura\* Membrane, an approved record of reduction of carbon dioxide (CO2) emissions; Voraxial\* and REGEN Mycylex help avoid sub-water contamination during injection/water flooding operations.
- Delivering Digital: experience our latest digital solutions in the DELFI cognitive E&P environment — the FDPlan\* agile field development planning solution, the ProdOps\* tuned production operations solution, and the DrillPlan\* coherent well construction planning solution.
- Ora\* intelligent wireline formation testing platform leverages new architecture and metrology for unprecedented performance in dynamic reservoir characterisation in all conditions.
- FluxDril\* (Direct emulsion fluid), RheGuard\* (Flat rheology drilling fluid), and VeraTherm\* (high-temperature water-based drilling fluid) help the oil and gas operators increase efficiency and lower costs by designing and engineering drilling fluid systems that accommodate a wide range of drilling environments.
- Vx Omni\* subsea multiphase flowmeter: A highly accurate flowmeter that takes the application of flowmeter technology to 20,000 psi, while expanding on capital efficiency, expediting lead times, and achieving unparalleled reliability.
- xWATER\* integrated water-flexible fracturing fluid delivery service: enables operators to use an

engineered fracturing fluid customised for available water, well conditions, and reservoir properties.

- CemFIT Heal\* flexible self-healing cement system: ensures well integrity from drilling to abandonment, providing a competent annular pressure seal and protecting against hydrocarbon leaks and sustained casing pressure (SCP) at the wellhead.

Schlumberger exerts continuous efforts in engaging with the local industry stakeholders through inking several memoranda of understandings (MoUs), focusing on sustainability initiatives; women in energy; health, safety and environment (HSE) roles; and talents development.



EXHIBITOR: SUBSEA7

STAND: 2C20 | HALL: 2

## SUBSEA7: GLOBAL LEADER IN DELIVERING OFFSHORE PROJECTS

Subsea 7 is a global leader specialised in the delivery of offshore projects and services in the oil and gas industry. Our company is taking part in the Egypt Petroleum Show (EGYPS) since its inaugural year. In this year's edition, Subsea 7 plans to continue to bring its expertise of working in Africa for over 40 years. Besides, the company is going to seize this opportunity to promote its main services and technologies developed to support the offshore development in the energy industry.



Subsea 7 is specialised in creating sustainable value by being the industry's partner and employer of choice in delivering efficient offshore solutions that comes in line with global needs. Our global reach means that we are where our clients need us.

Moreover, we have the ability to work in various water depths across all energy hubs. Thanks to our engineering expertise, alliances and specialist technologies, we are enabled to engage early, so that, our multi-disciplinary teams can design and deliver the solutions that our clients require.

The company is made up of client-focused specialist engineers, project managers, experienced offshore crews, and business support teams. They all are working in many countries and at the heart of the world's most critical energy projects.

Thus, if you want to be part of the Subsea 7 team, check our available vacancies at <https://careers.subsea7.com>

Moreover, Subsea 7 is excited in welcoming visitors to our booth during EGYPS. We are going to show them more about the company's capabilities. As a global company but locally sensitive, Subsea 7 is proud of sponsoring and contributing to EGYPS 2020, and the energy industry in Egypt.

EXHIBITOR: BAKER HUGHES

STAND: 2B60 | HALL: 2

## BAKER HUGHES SHOWCASES ITS ARTIFICIAL INTELLIGENCE SOLUTIONS

Baker Hughes is a leading energy technology company.

We design, manufacture, and service transformative technologies to help develop the energy sector.



Baker Hughes is keen on its latest technologies from its portfolio to serve the entire oil and gas value chain in Egypt as well as worldwide. Thus, we are going to showcase our solutions for energy and industrial customers worldwide during EGYPS 2020.

For more than a century, our inventions have revolutionised the energy sector. We harness the power of engineering, data, and science to redefine what is possible.

The portfolio of Baker Hughes includes technologies and solutions that cover the company's oilfield services, oilfield equipment, turbomachinery and process solutions, and digital solutions businesses.

Additionally, Baker Hughes will be showcasing its artificial intelligence solution, which is the BakerHughesC3.ai. This help improve and optimise the reliability, productivity and performance of our technologies; hence, it will ease delivering better outcomes to our customers.

Powered by the industry's fullstream technology portfolio, we drive productivity and improve outcomes for ourselves and our customers. We are reducing the carbon intensity of our operations, applying proven low-carbon technology to help our customers meet their environmental goals. At Baker Hughes, we are taking energy forward, as well as making it safer, cleaner, and more efficient for people and the planet.

Furthermore, we pay a great deal of attention to maintain efficiency gains and maximise the production of our customers. Thus, we focus on reducing TOTEX, which is the total cost of ownership for operating assets. We couple this with innovative commercial models that put outcomes first and improve project economics from the reservoir to the refinery.

Our booth in EGYPS will include experts from our entire business portfolio to feature digital demos and physical models for some of our technologies.

EXHIBITOR: **ENERGEAN**

STAND: **2C60** | HALL: **2**

## ENERGEAN SHOWCASES ITS OPERATIONS IN OIL, GAS SECTOR

Energean has been operating in Egypt since 2010.

We decided to support and take part in EGYPS 2020 as a Silver sponsor for the first time, following the recent agreed acquisition of Edison E&P.

The visitors of Energean's booth during EGYPS 2020 will have the chance to get informative material regarding Energean's operations in the Mediterranean region, with a focus on our main development projects, especially the under-construction one, named Energean Power. Energean Power is considered the first floating production system (FPSO) to operate in the East Mediterranean.

Energean has been following a sustainable development strategy, and a health, safety, and environment (HSE) excellent track record; as the company is committed to further reducing its environmental footprint.

In the TV screens of our booth, corporate videos as well as videos from Energean's corporate social responsibility (CSR) activities will be shown. In addition to that, Energean's officials will be keen to provide more information about the success story of a newcomer that commenced its activities 12 years ago, with low production rates in the North Aegean Sea and Greece. Yet, now it has been considered as one of the leading independent operators in the Mediterranean, with daily production of around 570 million barrels of oil equivalent (mmboe), 2P reserves, 70 kilo barrels of oil equivalent (kboe), and a portfolio with 80% focus on natural gas.

Moreover, Energean will be represented in EGYPS 2020 conferences through the attendance of the Company's Non-Executive Chair, Karen Simon; Energean CEO, Mathios Rigas; Chief Financial officer, Panos Benos; and Chief Operating Officer, Iman Hill. It will be our pleasure to welcome you at our booth where you will understand why our slogan is "Ethos, Our World, Our Responsibility"!



### YOUR ONE-STOP SERVICE PROVIDER

Provision of Offshore Support Vessels (AHTS, PSV, CSV, ERRV, Tugs, and Crew Boats) - Provision of Offshore Drilling Rigs

Supply Base Management - Pipe-laying Projects - Offshore Full Motion Compensated Gangways

Supplier of International Oilfield Machinery, Equipment, and Chemicals - Free Zone Warehouse Facility

Provision of Diving and ROV Services - Providing Consultation, Technical Support and Contracting.



[www.pan-marine.net](http://www.pan-marine.net)





EXHIBITOR: PAN MARINE

STAND: 2120 | HALL: 2

## PAN MARINE: ONE-STOP SERVICE PROVIDER

Pan Marine is a diversified and independent Egyptian organisation which has been doing business in Egypt for more than 40 years. Our group is a ONE-STOP service provider to our clients in Egypt through these four companies; Pan Marine Petroleum Services FZ, Pan Marine Shipping Services, Pan Marine Logistics Services, and Medkon Lines Egypt S.A.E.

### Pan Marine provides integrated services including:

- Provision of Offshore Support Vessels (AHTS, PSV, CSV, ERRV, Tugs, and Crew Boats)
- Provision of Offshore Drilling Rigs
- Supply Base Logistics and Pipe Yards Management.
- Pipe-Laying Projects
- Offshore Full Motion Compensated Gangways
- Supplier of International Oilfield Machinery, Equipment, and Chemicals
- Free Zone Warehouse Services
- Provision of Diving and ROV Services
- Providing Consultation, Technical Support and Contracting
- Full Liner Agency
- Equipment Rentals (i.e. Cranes, Forklifts, Containers and Trailers)
- Marine Agency Services
- Suez Canal Transits
- Husbandry Services
- Ship to Ship (STS) Transfer
- Spare Parts/Parcel Clearance and Delivery (Inward or Outward)
- Crew Changes and Military Permits
- Bunkering and Fresh Water Supply
- Maritime Provisions and Supplies
- Maritime Repairs and Maintenance
- Ocean / Air Freight
- Door to Door Services
- Supply of Local Crew Manning Services
- Road Transportation
- International Inland Haulage
- Custom Clearance and Insurance
- Project Cargos

Pan Marine strives to create valued business relationships all over the world. Our target is to meet and exceed our clients' expectations and achieve mutual

success by maintaining a high level of environmental management, safety, and quality in all our activities.

Additionally, Pan Marine's experienced employees work from nine offices (Alexandria, Alexandria Port, Abu Qir, Cairo, Port Said, Suez, Damietta, and Ras Gharib), and six warehouses and yards (Amerya Free-zone, Merghem Logistic Warehouses, Merghem Containers Depot, Alexandria Ship Supplies, Ras Shukeir and Damietta).



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EXHIBITOR: AIR PRODUCTS

STAND: 1E48

HALL: 1

## AIR PRODUCTS: A POSITIVE TOUCH TO OUR LIVES

Air Products has managed to successfully touch the lives of people around the globe in various positive ways every day. With approximately 17,000 employees and operations in 50 countries, we serve our customers across a wide range of industries; from food and beverage to medical, energy, and transportation.

During EGYPS this year, Air Products' booth is dedicated to our Mega Expertise in providing turnkey and sustainable solutions when it comes to the execution of projects, and our specialty gases and non-refillable canister range.

Air Products' core competency steams from our ability to develop and engineer a complex for industrial gas facilities. The complex is based on build, own and operate (BOO) system. The industrial gases, technologies and applications expertise we provide to customers have enabled them to reduce emissions, improve quality, boost productivity and operate in a more sustainable way. Additionally, our technical team will be available to discuss all the different expertise we have including cryogenic ASU's, Steam Methane Reformers (SMRs), HyCo Plants and Prism® Membrane Systems.

Over years, we have become a trusted supplier for specialty gases to the refining and chemical industries, in addition, we have provided several equipment solutions to Egyptian companies.

Moreover, impurities in your gas can significantly compromise the accuracy of your analysis and cause major problems with analytical equipment. Our team of experts can advise you on the right specialty gas for your application with the optimum purity level or mixture composition, and ensures that it is delivered on-



time and in the best supply mode for your requirements. Thus, come and find out more about our Experis® specialty gases range and our unique BIP® technology. We look forward to welcoming you to our stand.



## IMPROVED PETROLEUM RECOVERY



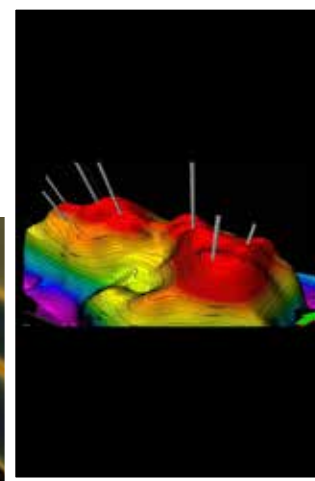
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VISIT US AT STAND 2D48

EXHIBITOR: **SAPESCO**

STAND: **3H20** | HALL: **3**

## SAPESCO PROVIDES SEVERAL CUTTING-EDGE SOLUTIONS

Sahara Petroleum Company (SAPESCO) is a regional leader with over 30 years of experience in providing specialised services to the upstream, midstream and downstream markets. SAPESCO's headquarter is located in Cairo, Egypt with ongoing operations and branches in Libya, Saudi Arabia, the UAE and Kuwait.

The company provides a myriad of cutting-edge solutions that fulfils the growing demand of the industry. Our expansive presence in the Middle East and North Africa (MENA) region and the Gulf area provides a pivotal hub that ensures an accessible, reliable and

timely delivery of an unparalleled quality of services.

Our operating divisions cover the widest spectrum of services currently available in the region, carrying out the most sophisticated services always with the highest regard to health, safety and environment (HSE) roles.

SAPESCO has built long-term relationships with its customers based on respect and great willingness to exceed their expectations. Additionally, it has provided equipment, personnel and services to support drilling, exploration and production companies to reach highest standards.

At this year's edition of EGYPS, SAPESCO plans to resume its specialised technical presentations with new topics and technologies. These presentations shall add a great value to the oil and gas industry in Egypt. SAPESCO's professionals and technology partners will lead these presentations, demonstrating latest technologies, applications and recent case studies.

Moreover, it will convey a new understanding of how operators can enhance their fields' production and excellence, reduce substantial operating expenses whether through SAPESCO's

owned technologies or its global partners' technologies.

The year 2019 was a remarkable year in our history because we successfully participated in several mega projects in Egypt; such as Zohr and West Nile Delta. Needless to say, SAPESCO has supported its clients with unique solutions for production enhancement, specialised well intervention, and drilling services. At EGYPS 2020, SAPESCO will share 2019's success with its clients.

**SAPESCO®**  
SAHARA PETROLEUM SERVICES

EXHIBITOR: **CHEVRON**

STAND: **2A60** | HALL: **2**

## CHEVRON OFFERS SOLUTIONS TO DELIVER ENERGY NEEDS

Chevron is specialised in meeting the world's growing needs for energy. We have the ability of working in extremely stringent environments, in addition, we have major operations in some of the world's most important oil and gas regions. Moreover, Chevron pays a great attention to fulfilling the future energy needs as well through creating innovative solutions, operating responsibly, valuing diversity and inclusion, and helping communities succeed.



With an eye on our upstream business, we combine innovation with our latest technologies to maximise the production of mature fields and discover new resources. This help satisfy the world's increasing demands for energy. Moreover, through our targeted investments and our consistent focus on operational excellence, we contribute to developing the next generation of legacy producers.

When you visit us at our booth, you will explore our entire value chain. This will help understand its importance from ground to people, and highlight Chevron's strengths from exploration to production.

Moreover, you will meet our fleet of Very Large Crude Carriers (VLCCs) to gain insights into how Chevron Shipping Company strives to empower human progress reliably and affordably. This is accomplished by transporting crude oil, liquefied natural gas (LNG), and refined products to help meet the upward global needs.

Furthermore, we will showcase our lubricant brands, which have had a long presence in Egypt, in addition to what you know as our Caltex brands of Delo, Havoline and Techron.

Moreover, you will have an opportunity to experience a virtual reality tour of our signature deep-water project in the US Gulf of Mexico, Jack/St. Malo. Through innovation and technology, more than 500 million barrels of oil equivalent (mmbbl) are expected to be recovered there in an environment of extreme depths, cold water, crushing pressure and challenging currents.

EXHIBITOR: **ROSCOE MOSS SAHARA**

STAND: **2B10** | HALL: **2**

## RMS MANUFACTURES WELLS SAND CONTROL SCREENS, CASING, ACCESSORIES

Roscoe Moss Sahara (RMS) is a private Egyptian company founded in 2008 and located in the 6th of October City, Egypt. RMS is certified



as ISO 9001-2015 and API 5CT. It is a subsidiary of Roscoe Moss Company (RMC), Los Angeles, California, US-based, established in 1926.

RMS facility has all the equipment required to manufacture all types of wells screen, with diameter from 5 5/8 to 14, collapse pressure up to 3,000 PSI, and tensile strength up to 60 tonnes; such as wire wrap screen, dual pre-packed screen, shutter screen, pipe base screen, perforated screen, slotted screen, neutral joint, in addition to tailor-made casing, spiral welded casing, and all related accessories; such as liner hanger with setting tool, graveling cross-over tool with graveling port and graveling pumping equipment, standard bow centralisers, cement basket, all cementing float equipment. Cement rubber plugs, special size casing clamps, casing threading services, using a different metal such as API casing standard, stainless steel material for high TDS and sour environment wells.

RMC is a leading ground water development expert, and it has participated in all phases of this industry since 1926. Today, its primary business is manufacturing and supplying water well casing and screen.

RMS and RMC export products to several countries around the world including the US, Mexico, Latin America's countries, Egypt, Libya, Tunisia, Algeria, Sudan, Jordan, Saudi Arabia, Qatar, Ethiopia, Eritrea, Namibia, Mongolia, Nicaragua.

Our Clients are from all over the world; such as Schlumberger, Halliburton, BP, ENI, DASCO, Daltex Corporation, Eltayseer Company, RWA, Al-Arabia, Zpec, Condrill, Assail, Elmozn, HPS, HRB, Golder, Geomin, Zadna, AlRajhi, Al-Rowad oil Service Company, and Aquatec-Nicaragua.



EXHIBITOR: MARIDRIVE OIL SERVICES (MARIDRIVE)

STAND: 3D68 | HALL: 3

## MARIDIVE: THE LARGEST REGIONAL FLEET SIZE

Maridive Group is considered one of the major companies that provide offshore marine and oil support services in terms of fleet size not only in Egypt but also in the whole region. It was established in 1978 by Issa Eleish, Magdy Zeid and Maged Nadim. Thanks to their expertise, Maridive managed to succeed and grow to be operated on five continents, with investments of more than \$310 million.

Maridive Group has expanded over years together with its subsidiaries; Maridive Offshore Projects, Maritime and Valentine Maritime, and now the company has a strong global reputation for excellence and efficiency in the offshore oil and gas services fields. Maridive gained this reputation because of its leading technology, high-end services and expertise. Additionally, we have a long track record with our loyal customers.

Maridive strives to continue diversifying its offshore services with a global footprint, expanding its fleet, providing diving, maintenance, construction work, enhancing technology, deepening its expertise, and broadening its outreach globally.

Our major mission is to be the best offshore and oil services partner to our clients, providing services with the highest degree of professionalism, integrity, and dedication.

Furthermore, Maridive in Egypt manages our fleet in the Mediterranean and Red Sea, North and West Africa, Caspian Sea, and Latin America (Venezuela and Brasil). In addition to that, it manages the fleet of India and Far East activities. With an eye on logistical support to Maridive offshore activities, it is provided by Maridive Onshore bases in Alexandria, Port Said, Ras Shukheir, Abu Rudies, Al Tor Harbour, the UAE, and Saudi Arabia.



We look forward to participating in EGYPS 2020 and joining the industry leaders in creating a brighter outlook for Egypt's petroleum sector.

## COMMITTED TO ENERGY EFFICIENCY

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

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total.com



**TOTAL**  
Committed to Better Energy



EXHIBITOR: **PORTWEST**

STAND: **2110** | HALL: **2**

## PORTWEST: WORLD'S LEADER IN DESIGN, MANUFACTURE WORKWEAR

With over 110 years of experience, Portwest is firmly established as a world leader in the design and manufacture of stylish and comfortable workwear with high-quality to meet recognised international standards.

Our extensive collection of workwear, safety footwear, and personal protective equipment (PPE) protect people all over the world in various industries such as the oil and gas, welding, mining, agriculture, transport, chemical, construction, warehousing, manufacturing, and many more. We are specialised in controlling hazards including flame, electric arc, chemical, molten metal, heat, cold, visibility, and rain.

At EGYPS 2020, we are going to showcase some of our newly designed workwear collections including:

DX4 is a range of eight contemporary workwear styles, combining technical features required in modern workwear with many clever innovations to ensure that they achieve maximum function and style. The garments are made using high performance stretch fabrics with robust oxford panels to provide unparalleled ease of movement and supreme flexibility. What defines this collection is the cutting-edge designs which allow for a full crossover from work to leisure activity.

The new KX3 workwear range will also be featured. All Portwest's flame resistant

garments are made using our proprietary fabrics including Araflame, Modaflame, Bizflame, Bizweld and Sealtech Flame. Additionally, KX3 is a superior line of trend led apparel combining quality construction to the highest standards of technical fabrics. Key characteristics within this collection include abrasion resistance, moisture management and stretch fabrics for sustained agility and effortless movement.



Portwest plans to be your single source of workwear, safety footwear, and PPE, underpinned by Portwest's product promise of having better quality, service and value.

EXHIBITOR: **USA PAVILION**

STAND: **3F63** | HALL: **3**

## USA PARTNERSHIP PAVILION FEATURES US INNOVATION



If EGYPS reflects the state of the global oil and gas industry, the USA Partnership Pavilion mirrors the diverse scope and growing scale of the American energy supply chain.

In the process of increasing the production of 'home-grown' oil and gas feed its national energy needs, US suppliers are developing innovative new methods for higher production rates, in addition to deploying smarter technologies and resource management strategies.

The show's inaugural USA Partnership Pavilion, organised by Kallman Worldwide, is America's headquarters at EGYPS. It is an efficient location for buyers to meet more US suppliers, a professional business centre for US exhibitors to maximise their exposure and impact on-site and a forum for all to share ideas and insights.

The Pavilion is one of the largest national stands on-site. It features a cross-section of US suppliers supporting a broad range of field, facility and end-use applications, including:

- Inland Tarp and Liner (Booth 3F62): over the past 40 years, the company has evolved from a hay tarp manufacturer and service company to one of the largest custom fabricators of premium geosynthetic products. The company is regarded for custom sizes and quick delivery. ITL® quality applications and solutions span an array of industries around the world.
- UltraTech (Booth 3F61): Ultra-Tech is the premier provider of environmental compliance products. It offers the most effective and innovative spill containment and spill response products in the industry.
- Pelican Products (Booth 3E62): Pelican™ Products is a global leader in the design and manufacture of advanced portable lighting systems. It offers the perfect array of safety-certified lights for professionals working in high-risk industries.

## PETROSAFE'S PSM PREVENTS SUBSTANCES' UNWANTED RELEASES

As the potential for disasters is too large when dangerous substances are released, employers in industries that use them are required to ensure that hazardous materials are properly controlled and these dangerous substances are safely transported, handled, and used.

The major objective of the Process Safety Management (PSM) is to prevent unwanted releases of dangerous substances especially in locations where employees and others could be exposed to serious hazards. An effective PSM program requires a systematic approach to evaluate the whole chemical process. By using this approach, process design, process technology, process changes, operational and maintenance activities, non-routine activities and emergency preparedness plans, training programs, and other elements that affect the whole process are all considered in the evaluation.

If you are uncertain about the hazards existing in your industry or working with risky materials and need technical support, the Petroleum Safety and Environmental Services Company (PETROSAFE) is there for you and ready to serve.

### Why PETROSAFE?

Because we do care about the safety of people, and we are concerned about what is going on around us. We seek as many specialised personnel as possible to offer them PSM auditing and training courses in order to get them acquainted with modern and specialised methods of safety management. This is done through highly qualified and professional experts.

### Our Objectives

Upon the completion of the PSM coaching, you will gain a full understanding on the legislative system, the company's requirements, in addition to recognising risks while performing processes and their adopted methods. The PSM impacts the company positively when it comes to the implementation of management principles. These principles help the company control processes' hazards, be familiar with detailed expectations of managers and describes how can the PSM system allow to fulfil their safety obligations, in compliance with the company's values and policies.



## 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



9-11 FEBRUARY 2021 | EGYPT INTERNATIONAL EXHIBITION CENTER

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**NORTH AFRICA AND  
THE MEDITERRANEAN  
DELIVERING THE ENERGY  
NEEDS OF TOMORROW**

### EGYPS 2021 PROJECTED NUMBERS



**35,000**

Gross sq.m  
Exhibition Space



**33,000**

Global  
Attendees



**500**

Exhibiting  
Companies



**97**

Countries  
Represented



**30**

International  
& National Oil  
Companies



**17**

Country Pavilions  
Exhibiting

### TO BOOK YOUR STAND AT EGYPS 2021



[www.egyps.com/bookyourstand](http://www.egyps.com/bookyourstand)



[egyps.sales@dmgevents.com](mailto:egyps.sales@dmgevents.com)



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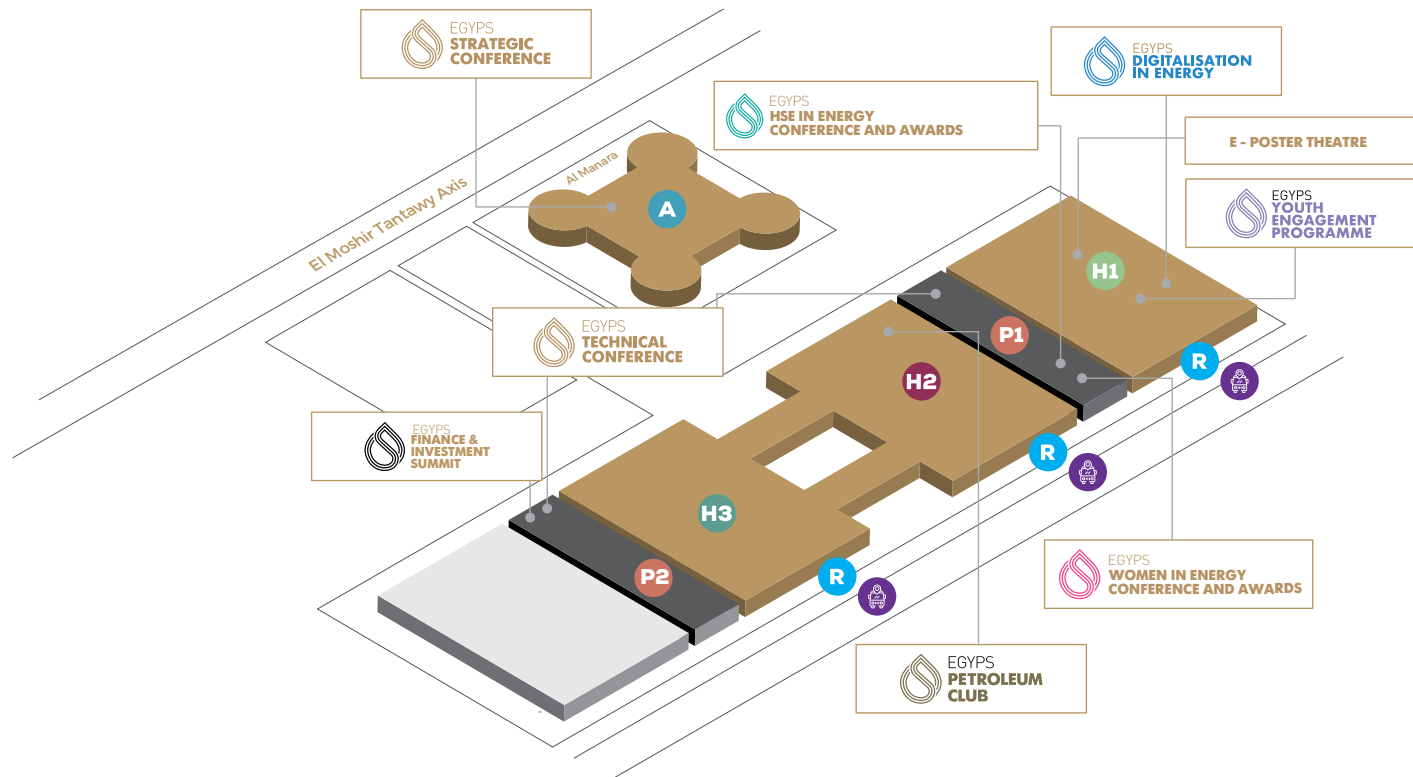
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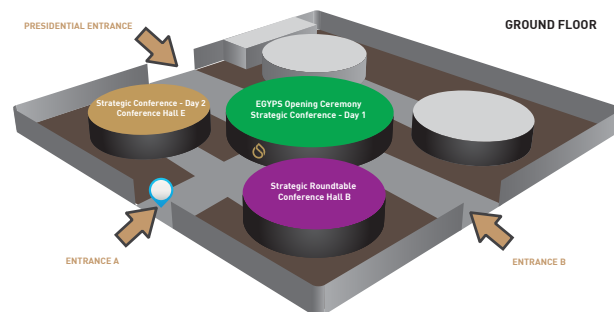
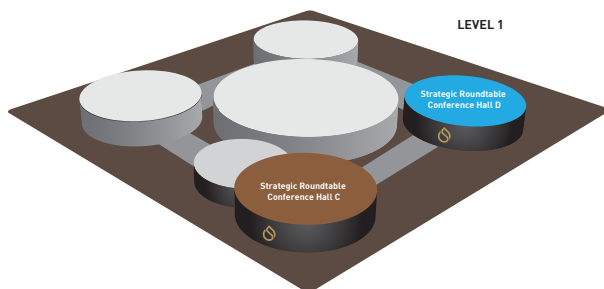
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## EGYPS 2020 VENUE MAP



- 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
- R 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 Tanta Axis, Cairo Governorate



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# COMPETITIVE ADVANTAGE THROUGH THE GAS VALUE CHAIN



**SHELL IS A PIONEER AND A LEADER IN THE GAS INDUSTRY WITH OVER 100 YEARS' EXPERIENCE. WE FOCUS ON PROVIDING EFFECTIVE SOLUTIONS FOR MONETISING GAS RESOURCES.**

We can provide a portfolio of integrated solutions across the full gas value chain, from finding and producing gas through to the marketing of products. Shell technologies can help a country boost its economy by building up local gas-based industry. In addition, we bring skills transfer and people development which are key for creating in-country value. Shell plays a role in supporting the natural gas industry in many countries and is proud of how these strong, mutually beneficial relationships have developed.

