

# EGYPS NEWS

## EGYPT PETROLEUM SHOW

11-13 February 2019  
Egypt International Exhibition Centre

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## EGYPS OPENING CEREMONY HIGHLIGHTS EGYPT'S TANGIBLE SUCCESSES

One of the most anticipated events in the oil and gas industry, The Egypt Petroleum Show (EGYPS) once again takes us on a journey of continuous milestones and breakthroughs. EGYPS has become an embodiment of the industry's unbridled success and its opening ceremony proclaimed all its accomplishments and set it forth to celebrate it with all the industry leaders.

The third annual edition, opened on Monday 11 February at the Egypt International Exhibition Centre's Al Manara Theatre, showcased the emerging and growing importance of the region's potential. The Ministry of

Petroleum and Mineral Resources along with EGYPS executive and technical committees, industry supporters, advocates and partners, incubated the event to offer a unique breadth of insight, connecting policy, strategy, and technical leadership across all elements of the energy value chain.

This step towards a new age of the energy industry was taken in the presence of Egypt's Prime Minister, Mostafa Madbouly; Egypt's Minister of Petroleum and Mineral Resources, Tarek El Molla; the Secretary General of the Organisation of the Petroleum Exporting Countries (OPEC), His Excellency Dr.

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“THE OIL SECTOR HAS ACHIEVED UNPRECEDENTED ACHIEVEMENTS IN RECENT YEARS IN SEVERAL FIELDS, FOREMOST OF WHICH IS THE END OF THE GAS IMPORT ERA AND THE FULFILLMENT OF THE CONTRACTUAL OBLIGATIONS FOR EXPORT.”

HIS EXCELLENCY **MOSTAFA MADBOULY**  
Prime Minister, Arab Republic of Egypt

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Growing with **Energy**



# EGYPS OPENING CEREMONY HIGHLIGHTS EGYPT'S TANGIBLE SUCCESSES

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Mohammed Sanusi Barkindo; the Secretary General of the African Petroleum Producers Organisation (APPO), Mahaman Laouan Gaya; along with a number of government and industry professionals.

The keynote speech, by Sanusi Barkindo, accentuated Egypt's role in constantly taking strides in the oil and gas sector. He also noted that the industry is "actively conscious of the broader social and economic benefits for all, as a result of pushing for sustainable oil market stability."

In his opening remarks, Laouan Gaya stressed that "in the promotion of unity of the African continent, Egypt played and continues to play an important role of promoting integration."

Christopher Hudson, President of dmg events, shared Louan Gaya's sentiments and stated that "changes in supply and demand have disrupted the fundamentals of the oil and gas industry. It's pulled forward new opportunities like the emergence of Egypt as an important industry hub in the global oil ecosystem."

This year, EGYPS happens to coincide with the 60th anniversary of the establishment OPEC, which has contributed to the stability of the market and securing oil supplies. "I am pleased to celebrate this occasion in the presence of H.E. Dr. Mohammed Sanusi Barkindo in Cairo, which witnessed the birth of the organization in 1959," El Molla said.

"[EGYPS] has become an important forum for the oil and gas industry for the third consecutive year. Let me take this opportunity to thank President Abdel Fattah Al Sisi of Egypt for his generous patronage of the conference and his continuous support to the petroleum sector during the past years, which had a great impact in giving a strong impetus to the oil sector to achieve many success stories," the Egyptian minister added.

El Molla further stressed on the efforts done over the past two years to attract foreign investment, from the signing of the seismic survey of the Gulf of Suez region, to facilitating access to data and encouraging exploration and production (E&P), to achieving an unprecedented boom in sales of 95% petrol by 250%, as well as increasing the number of companies and marketing outlets by more than 300, and finally, to the completion of the Badr al-Din Petroleum Development Programme.

The opening ceremony has showcased tangible success stories in all areas of the petroleum industry that have had positive impact on local, regional, and global levels. "The efforts of several government agencies and the restoration of the confidence of our partners from international oil companies (IOCs) through the reduction of arrears by more than 80%, is reflected by their continuous efforts and increase of investments during the past period," El Molla said.

Prime Minister Madbouly said that Egypt's foreign exchange reserves rose from about \$15 billion



to currently reach \$44 billion, the highest level achieved by Egypt in its history. Moreover, the rate of economic growth rose from 2% five years ago to 5.4%. Meanwhile, foreign exchange inflows to Egypt amounted to about \$163.5 billion during the past three years. "[This] would change the entire reality of living in Egypt and put us on the path of rapid economic transformation to achieve what we wish for our beloved nation," the prime minister said.

He also stressed on how strengthening energy resources, particularly oil and gas, is one of the main axes of the government's programme and its efforts to achieve the desired economic growth. Because of this, it has become a vital role in the rotation of the production wheel and the provision of economic and development projects.

"The oil sector has achieved unprecedented achievements in recent years in several fields, foremost of which is the end of the gas import era and the fulfilment of the contractual obligations for export, which was achieved as a result of the completion of development projects and production of natural gas, especially the major gas fields in the Mediterranean Sea," he stated.

EGYPS will continue to be a major window to present the opportunities and success stories of the petroleum sector. In this regard, El Molla announced a number of success stories and initiatives including the production of natural gas from the Giza and Fayoum fields, which represents the second stage of the project of development of the Nile Delta fields, at a rate of 400 million cubic feet per day (mcf/d). According to the minister, production from the fields will gradually increase to 700 mcf/d during the month of April.

El Molla also commented on the results of the bid rounds of the Egyptian General Petroleum Corporation (EGPC) and the Egyptian Natural Gas Holding Company (EGAS), which will be announced during the conference. This auction witnessed great interest as well as the return of other companies to work in Egypt.

The completion of the first phase of the implementation of the ERP system at EGPC and EGAS was also mentioned by the minister, in addition to the start of the implementation of the second phase with the aim of developing and improving the procedures and electronic data and information exchange.

Moreover, El Molla announced the launching of training programmes for young professionals in the framework of the development project and the signing of memorandum of understanding with a number of foreign partners and local universities in this regard.

In addition to that, the minister mentioned the completion of the preparation of the draft rules of governance for oil and gas companies and the commencement of the necessary procedures for their approval, which contributes to improving governance practices to keep pace with global practices and increase investors' confidence.

El Molla concluded his speech commenting on the launching of an employment programme that establishes a leadership mechanism for the petroleum sector; the new structure, transparency and scientific approach; and the talent management and competency development plans.

After the opening, El Molla and other industry leaders visited EGYPS Exhibition halls and engaged with a number of exhibiting companies.

“EGYPS HAS BECOME AN IMPORTANT FORUM FOR THE OIL AND GAS INDUSTRY FOR THE THIRD CONSECUTIVE YEAR.”

**HIS EXCELLENCY TAREK EL MOLLA**  
Minister of Petroleum and Mineral Resources,  
Arab Republic of Egypt

## EXXONMOBIL SPONSORS EGYPS YOUTH ENGAGEMENT PROGRAMME:

### AN INTERVIEW WITH HESHAM EL AMROUSSY, THE CHAIRMAN AND MANAGING DIRECTOR OF EXXONMOBIL EGYPT

#### AS EGYPS YOUTH ENGAGEMENT PROGRAMME'S SPONSOR, HOW CAN THE OIL AND GAS SECTOR CAPTIVATE AND DEVELOP A NEW GENERATION OF PETROLEUM EMPLOYEES?

The Ministry of Petroleum modernisation strategy focuses on human resources development and capacity building as one of its key pillars. Building a comprehensive programme for learning and development is critical to the success of the overall strategy. In the same vein, identification of emerging talents and their development through an effective talent management process is of great importance.

I am pleased to see the Ministry of Petroleum, under the leadership of H.E. Engineer Tarek El Molla, the Minister of Petroleum and Mineral Resources, placing a high emphasis on people development at large, and youth in particular. ExxonMobil Egypt has been cooperating with the modernisation team, based on our belief that the ultimate goal of capacity building can only be reached by sincere efforts exerted jointly by the government and the private sector. ExxonMobil Egypt has been focusing on education and development programmes within schools and universities, to build a foundation of capable leaders. One of the prominent programmes that help promote science and technology is the STEM school supported by ExxonMobil Egypt in Suez, which develops students with creative and talented minds, in preparation of the new

“ EXXONMOBIL EGYPT HAS BEEN COOPERATING WITH THE PETROLEUM SECTOR MODERNISATION PROGRAMME TEAM, BASED ON OUR BELIEF THAT THE ULTIMATE GOAL OF CAPACITY BUILDING CAN ONLY BE REACHED BY SINCERE EFFORTS EXERTED JOINTLY BY THE GOVERNMENT AND THE PRIVATE SECTOR. ”

generation of petroleum employees.

Moreover, The Oil and Gas Committee of the American Chamber of Commerce in Egypt, which I am honoured to chair, has developed a leadership programme targeting selected managers within the Ministry and its companies. I believe this programme could be quite useful for the development of young talents within the Ministry.

#### HOW DO YOU EXPECT FUEL SUBSIDIES REFORM TO IMPACT THE EGYPTIAN MARKET?

The large fuel subsidies have been historically a burden on Egypt's budget, and negatively affected efforts to achieve sustainable economic growth. Therefore, I view fuel-subsidy reform policy as a critical component of any meaningful economic development in Egypt. Reform milestones in July 2014, November 2016, June 2017, and June 2018, speak of a strong political will and a commitment to face one of the main challenges facing Egypt's economy.

This policy has been highly appreciated by the business community both in Egypt and internationally, and was praised by world-renowned organisations such as the International Monetary Fund (IMF), the World Bank, and global credit rating agencies. This all was translated into a better investor confidence.

Clearly, fuel subsidy reform is a journey, but we are encouraged with the progress. We also commend the overall approach where tough economic measures were carried out by effective enhancements in the social safety net. After many decades, with the awaited fuel subsidy reform Egypt can finally enable effective channeling of resources to support inclusive growth objectives, and permit the market to reach higher levels of economic efficiency through demand rationalisation.

#### HOW DO YOU SEE THE FUTURE OF THE DOWNSTREAM SECTOR IN EGYPT?

As we all know, the Government of Egypt has embarked on a number of unprecedented socio-economic reform measures. These reforms coupled with the stability on the political and security fronts have led to fundamental changes to the economy. We are pleased to see Egypt achieve the highest level of economic growth in the region with a positive outlook. This clearly presents a range of lucrative opportunities to the downstream sector in a market of a

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hundred-million consumers. The Oil and Gas modernisation strategy addresses the need of the sector to improve efficiency, grow capacity, and upgrade the offerings to the end consumers. This is certainly going to be a joint effort between both the public and private sectors.

In your opinion, what are the key elements to improve opportunities in the downstream sector? I believe there is a good momentum at the macroeconomic and sectorial levels to drive the strategic imperatives needed to unleash the full potential of the sector. This includes a higher focus on safety, efficiency across the value chain, manufacturing capacity growth, technology solutions deployment and human capacity building.

#### WHY IS THE EGYPT PETROLEUM SHOW AN IMPORTANT EVENT FOR EXXONMOBIL?

ExxonMobil Egypt has been fully supportive of EGYPS since its inception. In fact, we were the only Diamond sponsor in EGYPS first edition in 2017. Today, we are so pleased to see more companies joining us in sponsoring EGYPS. This speaks of the success of EGYPS, which has been demonstrated by the year-on-year performance statistics. EGYPS creates a centre of gravity and brings together key players, promoting Egypt as the Energy hub in the region.



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	Oil and Gas Field Development (FD)	Drilling (DR)	Onshore and Offshore Fluids Processing and Transportation; Gas Processing, Operations and Technology (GAS)
	Offshore and Marine Technology and Operations (MAR)	Project Management and Execution (PM)	Health, Safety and Environment (HSE)
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**EGYPS 2019 TECHNICAL CONFERENCE AT A GLANCE**

<b>710</b> ABSTRACTS RECEIVED	<b>84</b> COMMITTEE MEMBERS	<b>33</b> TECHNICAL SESSIONS	<b>32</b> TECHNICAL POSTERS	<b>ACROSS 11</b> CATEGORIES	<b>132</b> TECHNICAL SPEAKERS	<b>FROM 45</b> COUNTRIES
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# STRATEGIC CONFERENCE PROMOTES OIL AND GAS GROWTH STRATEGIES

On the inaugural session of EGYPS 2019 Strategic Conference, the Egyptian Minister of Petroleum and Mineral Resources, Eng. Tarek El Molla, discussed alongside his Bahraini and Ivorian counterparts how the three countries are promoting energy efficiency and sustainability with the current global challenges.

El Molla pointed to the stability the country is currently enjoying under the leadership of President Abdel Fattah El Sisi, which led to more projects that represent the New Egypt with developments across all sectors.

"Now we are achieving natural gas self-sufficiency and increasing cooperation with our neighbours, especially Arab and African countries, said El Molla.

The minister said that Egypt is attracting more attention, after announcing last September that it has stopped liquefied natural gas (LNG) imports, and resumed exports, thus fulfilling contractual obligations after years of shortage.

"Egypt's has other natural gas projects other than the mega field of Zohr, with production at the Atool field being ramped up, and work in other fields also progressing. Particularly, as production in the second phase of the West Nile Delta fields started just a couple of days ago, with a production level of 400 million cubic feet per day (mcf/d) that will reach 700 mcf/d in April.

"The ministry is also active in exploration, and will announce on the second day of EGYPS the winners of the bid rounds that were announced last year with the Egyptian General Petroleum Corporation (EGPC) and the Egyptian Natural Gas Holding Company (GAS)," El Molla said.

"Another element the ministry is focusing on is upgrading and expanding refineries, with the goal of achieve self-sufficiency of refined products this year," he added.

More local power plants are switching to natural gas instead of fuel oil, thus the oil and gas sector is now seeking more added-value from fuel oil value, with projects in Alexandria and Asyut kicking out, as the minister further explained.

El Molla also said that Egypt has ambitious plans for increasing production from the Western Desert, Red Sea, and the Mediterranean. The minister pointed to the overall changes the petroleum sector is witnessing, from a surge in investments, to subsidies reform that allows for fair pricing and more funds being directed to public services, such as health and education, and creating more job opportunities.

The modernisation programme is also necessary to implement the current strategies by building capacities, the minister added.

El Molla noted that there is now a clear vision by the government to achieve economic prosperity, and that efforts such as organising EGYPS come in line with Egypt's profile as a regional energy hub.

"EGYPS witnessed that we are not talking the talk, but also walking the walk," the minister concluded.

## BAHRAIN SEEKING BETTER AND BIGGER CAPACITIES

Meanwhile, Bahrain's Minister of Oil and Gas, Sheikh Mohamed bin Khalifa bin Ahmed Al Khalifa, said that Egypt has a space for more discoveries, and after a drop



in oil prices, the sector stagnated, but Egypt is part of the solution to this problem.

Egypt was able attract partners, particularly to Zohr, in a time when there was a shortage in investments, the Bahraini minister noted.

On the local level, Bahrain is expanding refining capacities with a number of projects over the next two years.

The era of cheap oil is over, with unconventional exploration and drilling technologies on the rise, especially with increased fracking in the US, he explained. Bahrain has also launched the first project in the region to convert fuel oil to diesel, and is seeking an integrated approach with investments in petrochemicals, Al Khalifa added.

The minister also revealed that he held discussions with Total on the sidelines of EGYPS, as Bahrain is seeking state of the art technologies in its refineries.

## AMBITIOUS PLANS FOR COTE D'IVOIRE

The Cote d'Ivoire Minister of Petroleum, Energy, and Renewable Energy Abdourahmane Cissé said that his country aims at increasing its current level of production of around 70,000 barrels per day (b/d), including natural gas.

Out of 48 blocks in Cote d'Ivoire, only four are in production. Work is currently conducted on 24 blocks, with another 20 yet to be developed.

Cote D'Ivoire also has a clear goal to comply with the

Paris Climate Agreement, setting a goal to produce 42% of its energy from renewable resources by 2030, such as hydropower, biomass, and solar energy, according to Cissé.

This is also the reason why Cote d'Ivoire wants to develop refineries to reduce the level of sulfur.

A huge solar project is set to be completed by 2020, and will provide 10% of the country's electricity.

Commenting on the first session of the Strategic Conference, Thomas Maher, APEX CEO, said that El Molla's speech was exciting, as he talked about Zohr, and the West Delta projects.

When asked about the possibility of cooperation between Egypt and Cote D'Ivoire in the oil and gas sector, Maher stated that, with President Abdel Fattah El Sisi currently leading the African Union, there is a better way to increase cooperation with African countries.

## PUSHING THE BOUNDARIES FOR DOWNSTREAM INNOVATION

A strategic panel entitled "Pushing the Boundaries for Downstream Innovation, Consolidation and Diversification" saw a discussion between business leaders from global oil and gas companies.

Ibrahim Al-Buainain, the CEO of Aramco Trading Company, pointed out Egypt's importance to his company as with its a vital role in trading, adding that Saudi Aramco through its affiliates transports from the Red Sea to the Mediterranean into the European market through the Suez Canal.



"Egypt is a very important country for ensuring the supply to European market," Al-Buainain stated.

How integrated businesses are offering new opportunities within the downstream industry was another point of focus during the panel discussion, with strong partnerships and diversifying portfolios, and incorporating smart growth strategies proving crucial for organic growth with global producers, traders and consumers.

Similarly, Vitol showed a strong interest in doing business in Egypt as Russel Hardy, the company's CEO, said: "We have business relationships with many oil companies and partnerships with many different Egyptians and Arabs, and I think that is something that made us come up to Egypt to hear about how the Egyptian oil industry has more international presence."

The session also focused on capital crunch, technology paradigm and consumer demand, and the industry's resilience, as well as how the electric vehicles (EVs) and the changing role of combustion engines are affecting the refining sector.

The session also tackled ways to thrive the downstream oil and gas business in the middle of the global ongoing shift towards decarbonisation strategy. The speakers discussed how they are ongoing in producing cleaner lubricants and fuels as they adjust to the consumers' changing mind-set.

Momar Nguer, the President of Marketing and Services at Total, highlighted interest in producing cleaner fuels, like biofuel, with more African companies interested contribute.

Panellists then reflected on how the International Maritime Organisation (IMO) and other low-sulphur regulations enhance margins of complex refineries, enabling them to produce low-sulphur petroleum products.

They also talked about going down the value chain and how downstream portfolios are being managed in a way that enhances the integration of trading businesses and refineries in order to boost value, as well as improving resilience and introducing new business opportunities.

The session tackled the way traditional IOCs and NOCs marketing models are evolving and the existing marketing strategies adopted in distributing refined petroleum products.

## GLOBAL SCENE AND THE CHANGING ENERGY INDUSTRY

A session entitled "International Organisations: Setting the Energy Balance" under the theme "Oil and Gas Leaders Unite to Discuss The World's Energy Future" saw a number of panellists from distinctive backgrounds contributing to a well-rounded discussion on developments in the industry. On the topic of industrial regional trading agreements, China's "Silk Road Economic Belt" was discussed. His Excellency, Xiansheng Sun, the Secretary General of the International Energy Forum (IEF), spoke affirmatively about the cooperation between Africa and China. He said cooperation between the two parties follows the "historical routes to develop industry" and is a "driving force of cooperation".

Meanwhile, His Excellency Abbas Al Naqi, the Secretary General of the Organisation of Arab Petroleum Exporting Countries (OAPEC) noted that the 11 members OAPEC agreed that the Silk Road trading route with China remains a strong point of sustained trade. Internationally, there are shifting dynamics between the US and Korea and uncertainty in Europe around Brexit, and what that might mean for trading with the European Union (EU).

All panellists highlighted the importance of continued

investment in the oil and gas industry, with Sun stating that it is important to "concentrate on investment to match the demand for 2040", which are expected to surge.

However, in the Middle East and North Africa (MENA) region, Dr. Houda Ben Jannet Allal, the General Director of the Observatoire Méditerranéen de l'Énergie (OME) said that "Egypt is a big game changer in the region in terms of production". These regional dynamics are set against the backdrop of an industrial shift towards a sustainable energy future.

Countries are moving to low-carbon economies and there is continued discussion on how natural gas as a clean and affordable resource can be capitalised across the value chain. His Excellency Xiansheng Sun affirmed that China will need to consider environmental issues now and in the future.

Most African countries and all OAPEC countries have signed climate change agreements and are assessing ways forward based on these commitments.

His Excellency Mahaman Laouan Gaya, the Secretary General of the African Petroleum Producers Organisation (APPO), stated that "many African countries signed climate change agreements but there are some constraints on these agreements, such as the need to develop our natural and energy resources first".

On other hand, Al Naqi said that "on the topic of climate change, all OAPEC member countries have signed the climate change agreements and they are doing well with their respective negotiations."

Allal also stressed that as nations develop and industries capitalise, the "energy demand will double and the electricity demand will triple", meaning for the future of energy, "cooperation is the name of the game. The firming of regional agreements, the strengthening of existing and new trade routes, and the shifting towards a more sustainable future for the oil and gas are all positively impacting the global energy markets.

## EGYPT LEADS NEW OPPORTUNITIES IN NATURAL GAS

Another session was held under the title "Competitive Dynamics of a Disruptive Gas and LNG Industry"

The panellists were His Excellency Santiago Mba Eneme Nsuga, the Secretary of State for Mines and Hydrocarbons in Equatorial Guinea; Massimo Mantovani, the Chief of Gas and LNG Marketing and Power Officer at Eni; as well as Richard Tyrrell, the Chief Development Officer and Board Member of Höegh LNG; and CEO of Baker Hughes Lorenzo Simonelli.

Panellists discussed global energy trend, developments, and opportunities, as well as the role of natural gas and

LNG in uncovering new business opportunities and boosting regional and global integration.

The industry of energy production and consumption is shifting based on changing and increasing consumer markets. Lorenzo stated that energy consumption is increasing and by 2030, demand on energy will noticeably grow. "Based on this, business leaders, stakeholders, and CEOs need to assess these demands from a carbon footprint angle, as well a cost point." He then added, "We believe in the productivity and efficiency of the future of the oil and gas industry."

Nsuga said that "the demand on natural gas in Africa is increasing and we need to work together to achieve strong development practices to manage prices in order to meet other markets". He also highlighted further integration when sharing that "Africa will have a conference in order to lay out a strategy on the best ways to develop resources in the continent".

On international developments, Mantovani spoke about the initiatives connecting pipelines from MENA and the Mediterranean region to the EU. Specifically, he expressed that Egypt is strategically placed for this type of advancement and these types of projects are going to benefit European markets.

Many positive comments were heard about Egypt's Zohr, especially on how it has been a 'game-changer' in terms of perceptions around global markets and Egypt, Mantovani indicated, adding that Eni is happy to be in Egypt, where it feels there is a great potential for exporting capacity. He also stressed that capital investments in oil and gas are increasing internationally and this requires that supply and extraction projects go forward.

Meanwhile, Tyrrell said that Höegh LNG have had positive experiences working in Egypt, especially with joint venture companies, and also spoke about the LNG market and the importance of accurately placing the costs of these projects across the value chain.

Panellist expressed sentiments on the magnitude of the number of people without electricity acting as a signpost for the likely demands that lay ahead in coming years from energy producers.

Lorenzo also affirmed that "Egypt is in a great position to be a regional hub, especially location wise with its gas reserves, and what the minister is advocated for makes sense; it would be nice to see and interconnected LNG market".

The panel wrapped up by acknowledging the major industrial shifts taking place, the importance of cooperation, and the importance of capturing productivity and value along each section of the supply chain.



## EGYPS HOSTS INDUSTRY ROUNDTABLE DIALOGUE ON NORTH AFRICA AND MEDITERRANEAN DEVELOPMENT

The four roundtables that took place during the first day of EGYPS provided space to discuss regional updates and facilitated strategic conversation between stakeholders. These discussions are indispensable for knowledge sharing, collaborating, and networking between participants. Karim Sarhan, co-founder and partner at Sharkawy and Sarhan Law Firm, has been advising on countries investing in Egypt, particularly in the field of oil and gas works with international oil companies (IOCs) on a regular basis. He said these roundtable discussions “allow participants and stakeholders to look at issues from various angles such as from the regulators, investors, legal experts, and commercial experts and additionally, may learn about new upcoming opportunities in the industry.”

The first roundtable looked at regional project updates and upcoming opportunities and was led by Eng. Abed Ezz El Regal, CEO of the Egyptian Petroleum Company (EGPC), and Karim Badawi, Schlumberger's Managing Director Egypt and East Mediterranean. The Cypriot Aphrodite gas fields, pipeline developments between EU and North Africa through Cyprus and Egypt, and Egypt and Jordan's LNG SWAP agreement were discussed. On the Egypt Jordan Agreement, Karim Badawi said that this was a positive collaborative step between the two countries to share best practices and successes of each country, to provide gas supply to Jordan, and fosters the leveraging of technologies between the two nation states.

The second roundtable discussed Mediterranean and North African refining & petrochemicals industries on themes of diversification, efficiency and smart growth. The discussion was led by Dr. Saad Helal, Chairman at EICHEM, and Giacomo Rispoli, Executive Vice President Portfolio



Management, Supply and Licensing at Eni Refining and Marketing. The MENA and Mediterranean region is a strategic location to secure feedstock and may emerge as a petrochemical lab due to its vast gas reserves. This is exemplified by major developments in the region.

Egypt plans to develop its eight refineries with design capacity of 38 million ton/year and its ongoing projects to expand refinery capacity to 40 million ton and improve efficiency. Algeria is becoming an attractive country for investors and is planning to build four refineries worth \$6 billion. The country is planning to reinvigorate its downstream industry and is working on supportive changes to realise this vision. Libya is positively adjusting its refining capacity, improving its facilities, and embracing digitalisation strategies. Trading routes and pricing mechanisms to support these changes will likely further develop in coming years.

The third roundtable theme was on natural gas and liquefied natural gas (LNG) buyers and sellers meeting to discuss best practices to increase regional cooperation. The discussion was led by Eng. Osama El Bakly, Chairman of EGAS, and John B. Habumugisha, General Manager at the Uganda National Pipeline Company. The Mediterranean has become a key energy hub and there are many gas and LNG projects which are disrupting trends and increasing

global competition. El Bakly discussed how Egypt continues to work on “the development of infrastructure and push for exploration to overcome times of natural declines”. In general, “Egypt has a much faster rate of developing fields compared to other oil and gas producing countries”. He stressed that there is a need to “maintain investment in the exploration of renewable sources” given the current shifts in the industry.

The fourth roundtable discussion focused on how Egypt is positioning itself as a leading regional energy hub, and was led by Dr. Magdy Galal, Vice Chairman for Operations and National Gas Grids at EGAS, and Nicolas Katcharov, Vice President North Africa and Middle East Operations at Edison International. The country is moving forward in creating trade routes that can enable the free flow of oil and gas assets and enable a sustainable global supply of energy. Katcharov discussed the concept of Egypt as a regional energy hub and mentioned that the philosophy of the project is an excellent first step, and Egypt is well-positioned to pave this road. As a regional hub, it will serve as “an interconnected system” based on energy” and “although regional barriers exist, moves are being made, and have been made to work with Cyprus and the European Union markets, which are excellent first steps”.



“ EGYPT HAS A MUCH FASTER RATE OF DEVELOPING FIELDS COMPARED TO OTHER OIL AND GAS PRODUCING COUNTRIES. ”

**OSAMA EL BAKLY**  
Chairman of EGAS



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## EGYPS 2019, LAND OF MORE GLOBAL INVESTMENT OPPORTUNITIES: INTERVIEW WITH DAVID THOMAS – CHEIRON'S CHIEF EXECUTIVE OFFICER

### COULD YOU TELL US ABOUT CHEIRON'S CURRENT ACTIVITIES IN EGYPT?

Cheiron and its PICO affiliates have been active in Egypt for more than 30 years. Historically, our operations have been centralised on the Gulf of Suez and on five of our seven concessions; Amal, North Zaafarana, Geisum and Tawila West, East Gemsa and South Ramadan which are located in this region. Recently, the Company has expanded its operations into two other high potential areas in Egypt; including the Western Desert, where we have an interest in the North Bahariya concession, and the Offshore Nile Delta, where we hold the West El Burullus concession. We also have international exploration and production (E&P) interests in Mexico and Romania.

The Company operates all its assets through a combination of our GoS field development activities and acquisitions. Cheiron has steadily grown its production in Egypt, reaching around 40 kboepd gross. The growth is expected to continue, and we are aiming to achieve at least 50% production increase over the next few years through a number of new development projects. The projects include the shallow water West El Burullus and Papyrus gas fields offshore in the Mediterranean and the replacement of the existing Zaafarana Floating Production and Storage vessel with new facilities to double the field production. Moreover, we, in cooperation with our partners, implement full field water floods in the North Bahariya fields and have a major drilling campaign running in this area. The recent extension of our Geisum and Tawila West concession will give fresh impetus to our GoS operations. Furthermore, and we plan to drill two exploration wells near Geisum in 1H of 2019.

### WHAT ARE YOUR EXPECTATIONS FOR THE RED SEA AFTER THE SEISMIC SURVEYS CARRIED OUT IN THE AREA?

Cheiron has deep historical roots in the GoS and many of our fields are located towards the south of the gulf. Therefore, we have a natural interest in considering more opportunities in the south of the Red Sea. In addition, we receive a great support from the Ministry of Petroleum which spares no efforts in attracting exploration investments to this new basin. It will undoubtedly present some exciting exploration opportunities and we expect to see significant interest from the

major international companies, particularly those with deep water drilling expertise and experience in these types of geologic basins.

### HOW CAN THE PRIVATE SECTOR POSITIVELY CONTRIBUTE TO THE LOCAL PETROLEUM INDUSTRY AND ECONOMIC WELFARE?

Despite its relatively high-risk profile, the petroleum industry, whether in Egypt or elsewhere, has always been depending mainly on investments from the private sector. I think this trend will continue for the foreseeable future and we expect Egypt to remain one of the key global investments areas for E&P companies, both international and local companies such as ours. The country has significant hydrocarbon resources, well-developed infrastructure, a good regulatory environment and many talented industry professionals.

I think the main goal is to ensure that Egypt can be self-sufficient in both oil and gas for the long term, with export opportunities for both commodities. When this happens, the country's financial position will be even stronger and additional funds will become available for furthermore socially orientated investments in areas such as education, health and infrastructure development. Maintaining a sustainable, social and environmental responsible petroleum industry in Egypt is part of the overall economic solution.

### HOW DO YOU SEE EGYPT BECOMING A REGIONAL ENERGY HUB?

It is almost impossible to imagine a scenario where Egypt will not become a regional energy hub. It has a pivotal geographical position, in which Egypt represents a bridge between the Mediterranean and the Indian Oceans. Egypt is enriched by an extensive oil and gas pipeline network, both internally and connecting to neighbouring countries, two highly strategic liquefied natural gas (LNG) export plants located in the Mediterranean coast and an extremely well-established oil and gas industry. These advantages, including the giant gas discoveries, that has been made in the Egyptian waters, mean that the country is in a very strong position which will translate the vision of becoming a regional energy hub into reality. There will be further major gas discoveries made in the deep-water areas of the Eastern Mediterranean. While the regional resource base grows, Egypt's unique position

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and infrastructure and the strong government leadership and drive should place the country at the heart of the future developments.

### HOW IMPORTANT IS THE EGYPT PETROLEUM SHOW (EGYPS) TO THE INDUSTRY AS AN ANNUAL MEETING PLACE?

EGYPS has become the most important annual event for the petroleum sector in Egypt which is held every year. It aims clearly at attracting more and more regional and global interest. For me, it's a great place to catch up with the recent technological developments, learn new things and meet people. We are happy to be both a sponsor and an enthusiastic participant in the event. Please do find the time to pass by and visit the Cheiron booth at Stand 2C38.

“ EGYPT'S UNIQUE POSITION AND INFRASTRUCTURE AND THE STRONG GOVERNMENT LEADERSHIP AND DRIVE SHOULD PLACE THE COUNTRY AT THE HEART OF THE FUTURE DEVELOPMENTS.. ”

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# EGYPS 2019 ADDRESSES TECHNICAL OIL AND GAS ISSUES AND OPPORTUNITIES

'Delivering the Energy Needs of Tomorrow in North Africa and the Mediterranean' is the theme of this year's edition of The Egypt Petroleum Show (EGYPS 2019). The event's message comes in line with the Ministry of Petroleum and Mineral Resources' Modernisation Project, which includes Egypt's strategy of turning into a regional hub for oil and gas production. Becoming a hub will enable the country to satisfy the domestic needs and fulfill the other countries' needs, which comes in parallel with the conference's goal.

EGYPS 2019 provides its attendees with a series of technical sessions during its three days in order to share knowledge among all participants. This is achieved by bringing together global experts from the entire upstream, midstream and downstream oil and gas value chain.

On the first day, Mazen Hussein, Reservoir Engineer at Gulf of Suez Petroleum Company (GUPCO) in Egypt commented on the usage of artificial neural network (ANN) in the Gulf of Suez. "The power of the artificial neural network is to use all the available data, the historical data and what is available in the system," Hussein noted.

The ANNs are a designed software and/or hardware that is used to stimulate the way of operating a simple biological nervous system. "The systems have the capacity to learn, memorise and create relationships among the data," he added.

Ahmed ElSakka from Universiti Teknologi Petronas in Malaysia stated that one of the main factors affecting reservoir performance is that most shale sandstone contains clay, which has been considered as a disturbing factor. In this case, "the ANN has shown good match with core data, which supports its suitability for studied case of shale sand reservoirs," ElSakka said.

Roberto Espinoza, Head of Pre-Projects at Dragon Oil UAE, discussed the digitalisation of old offshore oil fields.



Most of the values created from the fields are achieved without digitalisation, "for instance, 25% of the wells provide more than half of total field production in many cases. This is what you digitalise first. The remaining will depend on how much value is added," Espinoza said.

That is why "the implementation of the digital oil field (DOF) is a constant battle against cost and time... and sequence can be applied in parallel in multiple assets to reduce time," he added. From this point, it appears that "using machine learning and artificial intelligence will save you lots of investment on metering," Espinoza pointed out.

In a way to optimise time and investment, computer vision, as a part of artificial intelligence (AI), "uses surveillance cameras and photos to obtain data from analog temperature and pressure metres," Espinoza said. The tangible benefits of the optimisation, "[we will have] reduced time and cost for acquisition, and increased data reliability," he added.

Hossein Rokhsari, CEO and Founder of Darcy Partners, discussed different technologies that can be bridged to Egypt. "A significant number of technological innovations continue to emerge in North America, and a substantial portion of these technologies are asset agnostic," Rokhsari said.

All the regions that are located away from North America are suffering from a visibility lack of getting these advanced technologies, according to him. That is why, "a bridge is required to fill the gap between the North American field-tested technologies and other parts of the world," he pointed out.

On the geoscience field, Ahmed Hafez, Senior Geoscientist at PICO Chevron, commented on the petroleum exploration potential through an analysis of exploration history. He evoked his presentation by stating that there are exciting figures concerning the exploration and production (E&P) of oil fields with significant proven oil reserves of 4.4 billion barrels of oil. According to Hafez, Egypt is the 24th among the countries producing oil and the 13th of African countries producing gas.

Hafez announced another exciting fact citing the National Oil and Gas Assessment's (USGS) prediction that the surge in oil and gas discoveries might reach 42 barrels of oil in the future.

The technical session was very informative and full of interesting figures and exciting possibilities for the oil and gas sector in Egypt. Mohamed Abbas, Deputy Production General Manager at TransGlobe Egypt Companies, believes that the sessions expose important technologies to be implemented in different oil and gas scenarios. "From an operation point of view, it was a perfect presentation that needs marketing to be known and applied more widely in our sector," he said.





## ITALIAN TECHNOLOGIES FOR OIL & GAS



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# EGYPS 2019

VISIT US AT STAND **2H59 HALL2**

## LONG-TERM INVESTMENT IN EGYPT: AN INTERVIEW WITH MARIA MORAEUS HANSEN, DEA DEUTSCHE ERDOEL AG, CEO

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### HOW WILL DEA'S MERGER WITH WINTERSHALL IMPACT THE COMPANY'S OPERATIONS IN EGYPT?

Upon completion of the planned merger of DEA and Wintershall, Egypt will continue to be one of the key countries for the combined company and a potential area for further growth. The combination of both companies will create the leading independent European exploration and production company. This will open up more opportunities in all key regions and will facilitate further growth.

### HOW CAN THE PRIVATE SECTOR POSITIVELY CONTRIBUTE TO THE LOCAL PETROLEUM INDUSTRY AND ECONOMIC WELFARE?

Independent gas and oil companies like DEA Deutsche Erdoel AG have a special role to play. DEA has been active in Egypt since the 1970s. From the beginning, DEA has contributed towards safeguarding a stable energy supply for the domestic market. Today, DEA continues to invest heavily and with its projects, like its own-operated oil and gas production in the Gulf of Suez or onshore Nile Delta as well as the partnership in West Nile Delta with BP, it supports the transformation of the country from a gas importer to targeted self-sufficiency and to a gas exporter once again.

Furthermore, DEA assumes responsibility to humankind and the environment. Safety and protection of the environment are top priorities for us. We live this in our day-to-day operations, but also in our role as an employer. Furthermore, we support carefully selected social projects in the countries and regions in which we are active, to make a lasting contribution to local social and economic development. For example, in Egypt we are very active in social responsibility programmes in the Disouq and the Gulf of Suez areas in the vicinity of our gas and oil fields there.

### IN YOUR OPINION, WHAT MAKES EGYPT AN ATTRACTIVE MARKET FOR INTERNATIONAL INVESTORS?

Egypt offers an attractive market for international investors. The country is well-positioned to serve as a regional energy hub due to its well-established export facilities, which would offer convenient export routes to neighbouring East Mediterranean gas fields. This regional position can be further strengthened by Egypt's ongoing gas market liberalisation. The energy modernisation offers new opportunities for further investment programmes.

### HOW IMPORTANT IS THE EGYPTIAN PETROLEUM SHOW TO THE INDUSTRY AS AN ANNUAL MEETING PLACE?

The EGYPS is a leading trade fair and conference. It is the place to be in February since it offers a comprehensive overview of the energy sector of the region. EGYPS is an excellent platform for bringing together industry leaders to discuss the future of the oil and gas industry. It offers plenty of opportunities to elaborate new projects and partnerships, develop new contacts and observe current market trends in Egypt, North Africa and the Mediterranean.

### WHAT IS YOUR MESSAGE TO INTERNATIONAL INVESTORS WILLING TO JOIN THE EGYPTIAN OIL AND GAS MARKET?

Egypt will achieve a breakthrough by turning from an importer into an exporter of energy. This transformation is of great significance for the Egyptian society and its growing demand for energy. And it is a clear sign that the energy market has gained attractiveness. Exploration and production of oil and gas is a capital-intensive undertaking. It requires large investments, enormous experience and a strong business mind to participate in this industry. We, as a long-term investor in Egypt, appreciated the professionalism of the Egyptian authorities and our business partners, the good level of training among specialists, the existing infrastructure and the extensive network of supplier companies. The ongoing improvements in the Egyptian business climate cannot be overlooked.



“ EGYPT OFFERS AN ATTRACTIVE MARKET FOR INTERNATIONAL INVESTORS. THE COUNTRY IS WELL-POSITIONED TO SERVE AS A REGIONAL ENERGY HUB DUE TO ITS WELL-ESTABLISHED EXPORT FACILITIES, WHICH WOULD OFFER CONVENIENT EXPORT ROUTES TO NEIGHBOURING EAST MEDITERRANEAN GAS FIELDS. ”





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# STRATEGIC SESSIONS IN FOCUS

Tuesday 12 February 2019

Al Manara Cinema Hall

The EGYPS 2019 Strategic Conference has been expanded to incorporate the latest industry trends and topical issues that are at the forefront of every energy leader's agenda.

We have enhanced our content with more Global Business Leaders sessions covering the entire value chain (upstream, midstream and downstream), dedicated regional Leadership sessions and we have introduced a new CEO Finance and Investment Brunch, to ensure you gain the top insights to help develop your business in the region.

## LEADERSHIP PANEL: SHIFTING GLOBAL DYNAMICS AND CONNECTING THE ENERGY DOTS: FROM PRODUCTION, CONSUMPTION AND INDUSTRY GROWTH

TIMING: 10:00 - 11:00



**Ali Al Jarwan**  
CEO  
Dragon Oil



**Nick Boyle**  
CEO  
Lightsource BP



**Maria Moraeus Hansen**  
CEO  
DEA Deutsche Erdoel AG



**MODERATOR**  
**Eithne Treanor**  
Presenter  
EGYPS 2019 & CEO  
E Treanor Media

## LEADERSHIP PANEL: BUILDING LEGACIES, CREATING HISTORY: THE SUCCESSFUL ALLIANCE OF NORTH AFRICA AND THE MEDITERRANEAN COUNTRIES TO BOOST PRODUCTION AND ACHIEVE MUTUAL GOALS

TIMING: 11:00 - 12:00

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**Mathios Rigas**  
CEO  
Energean



**Gasser Hanter**  
Chairman and  
Vice President Egypt  
Shell



**Grady Ables**  
Senior Region  
Vice President  
Apache



**Keith Elliott**  
Senior Vice President  
Offshore  
Noble Energy



**Mahdjouba Belaifa**  
Head Gas Market Analysis  
Department (GMAD)  
Gas Exporting Countries  
Forum Secretariat (GECF)



**MODERATOR**  
**Eng. Khaled AbuBakr**  
Chairman  
TAQA Arabia

## LEADERSHIP PANEL: REDEFINING THE GAS AND LNG PLAYING FIELD: THE ROLE OF THE MEDITERRANEAN IN BECOMING A GAS HUB AND THE NEXT NATURAL GAS HOTSPOT

TIMING: 12:00 - 13:00



**Dr Patrick Allman Ward**  
CEO  
Dana Gas



**Stefano Cao**  
CEO  
Saipem



**Dr Symeon Kassianides**  
Executive Chairman  
Natural Gas Public  
Company (DEFA) Cyprus



**Dato' Abu Fitri Bin Abdul Jalil**  
Chief Executive Officer  
PETRONAS Egypt Operations



**MODERATOR**  
**Charles Ellinas**  
Features Editor  
Natural Gas World



**LEADERSHIP PANEL: DIGITISING THE FUTURE – ADOPTING DISRUPTIVE INNOVATIONS AND PAVING THE WAY FOR A CONNECTED, DATA DRIVEN WORLD**

TIMING: 14:30 - 15:30



**Jean Cahuzac**  
Chief Executive Officer  
Subsea 7



**Maurice Nessim**  
WesternGeco President  
Schlumberger

MODERATOR



**David L. Phillips**  
Chairman of the Board  
Bilateral US-Arab  
Chamber of Commerce

**LEADERSHIP PANEL: EGYPS 2019 CLOSING REMARKS...THE BRIDGE BETWEEN EAST AND WEST: BUILDING FOUNDATIONS FOR A SUSTAINABLE FUTURE ENERGY MIX**

TIMING: 15:30 - 16:30



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

MODERATOR



**Eithne Treanor**  
Presenter  
EGYPS 2019 & CEO  
E Treanor Media

13:00 - 14:30 **FINANCE AND INVESTMENT LUNCH BRIEFING**

Lunch briefing gathering government representatives, NOCs, IOCs, local operators, local and international banks and private equity firms

Al Manara Conference Hall C

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**Ministerial opening keynote: egypt's continuous efforts in developing finance and investment opportunities that create economic growth**



**Mohamed Ashour**  
Economist  
Macro-Fiscal Policy Unit, Ministry of Finance, Egypt

**Unlocking project finance and creating investment opportunities in the global oil and gas industry**



**Basil El-Baz**  
Chairman & Chief  
Executive Officer  
Carbon Holdings



**Alan Haywood**  
CEO Global Energy  
Trading  
BP



**Tameer Nasser**  
Chief Financial Officer -  
North Africa  
Baker Hughes, a GE  
company



**Manav Futnani**  
Regional Head of Export  
and Specialist Finance  
MENAT  
HSBC

**The role of M&As, JVs and IPOs in supporting the oil and gas industry quest for development and market penetration**



**Inderpal Singh**  
Senior Vice President  
Mergers & Acquisitions  
Mubadala  
Petroleum



**Panos Benos**  
Chief Financial Officer  
Energean



**Artyom Sitnikov**  
Senior Banker – Natural  
Resources Team  
European Bank for  
Reconstruction and  
Development (EBRD)



**Alan Taylor**  
Partner  
White & Case LLP



## SUBSEA 7 OPTIMISTIC ABOUT EXPLORATIONS IN RED SEA: AN INTERVIEW WITH ENG. SAMI AMIN, EGYPT MANAGING DIRECTOR - SUBSEA 7

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**subsea 7**

### COULD YOU TELL US MORE ABOUT SUBSEA 7'S ACTIVITIES IN EGYPT?

Subsea 7 has been working in Egypt since 1997. In 22 years, we have been involved in many projects with various clients. The successful delivery of the East Nile Delta project in 2016 has allowed us to attract more projects. Since then, we have delivered a series of successful offshore development projects that have proven to be very successful to our clients, as well as beneficial to Egypt. As an example, the fast track project of Atoll, which was delivered in December 2017, ahead of time. In addition, the first phase of the West Nile Delta project, with Taurus and Libra fields, was also delivered ahead of schedule, despite its complexity. Those deliveries have resulted in obtaining further phases with our existing clients, as well as being awarded other projects with new clients. We continue to focus on the safe and efficient delivery of ongoing projects, with an aspiration to do more.

The continuity of business since 2016 has allowed Subsea 7 to develop its strategy for Egypt as an anchor country. Accordingly, we now have a stronger presence in the country, having hired local expertise, as well as having established a wide network of local partners like Petrojet, ENPPI, and Petroleum Marine Services (PMS). We continue to develop our local expertise and footprint, with the aim of being more localised.

One of our key values is "Collaboration", a value that we have and will continue to implement to develop stronger partnerships in Egypt. Our presence in Egypt comes with its business rewards, but also with a responsibility. Furthermore, we have executed two Corporate Social Responsibility (CSR) projects around the areas of our operation in Port Said and Idku. Those projects were designed in a way to share our success with sustainable development to the community around our operations. These projects were around energy saving initiatives and health care in Port Said, and support to the fishermen community in Idku and Rasheed.

### WHAT MAKES EGYPT AN ATTRACTIVE MARKET?

The newly adopted strategy of Subsea 7 to work on a long-term existence in the Egyptian market came as a natural consequence of the positive developments that the Egyptian government carried out in recent years. International oil companies (IOCs) are now more confident in committing investments and pushing projects forward, which in turn means increased business for service companies. Moreover, the speed

at which projects are being sanctioned and executed has been phenomenal. We can all be proud to state that we are setting world-class records in Egypt. The Egyptian market also offers a wealth of human capital, which we at Subsea 7 are and will continue to employ for our various disciplines, and not only in Egypt. Finally, the position of Egypt in the Mediterranean, and the strategy that the Ministry of Petroleum is adopting to turn Egypt into a regional energy hub, makes Egypt an anchor country for the region, and consequently for Subsea 7. The recent developments with neighbouring countries on the East Mediterranean front proves that this strategy is moving ahead, and that we are definitely in the right place.

### WHAT ARE SUBSEA 7'S EXPECTATIONS FOR THE RED SEA?

We are very excited about the recent progress on the Red Sea side. We are monitoring closely the next steps to see which IOCs will lead the exploration activity in this promising area. Subsea 7 specialises in offshore subsea projects, and the Red Sea represents a completely new market for us. Historically, discoveries in the Red Sea were limited to the Gulf of Suez, which mainly involved shallow water projects, where we had not been involved. The development of the RED Sea area can bring many synergies between Egypt, Saudi Arabia, Gulf countries, and East Africa.

What is your message for service companies interested in entering the Egyptian market?

Egypt is an attractive country for doing business. Egypt offers a wealth of human capital, as well as locally established services that support newcomers. Moreover, the economic and social stability, combined with the future business prospects, support a very healthy and positive business environment.

### WHAT ARE SUBSEA 7'S EXPECTATIONS DURING THE THREE DAYS OF EXHIBITION AT THE EGYPT PETROLEUM SHOW (EGYPS)?

Subsea 7 has been participating in, as well as sponsoring EGYPS, since its inception back in 2017. This reflects not only our commitment to the Egyptian market, but also our belief in the value such a show brings to Egypt. The level of attendance of decision-makers and top executives from the various stakeholders in the industry, which represents a unique opportunity for us to meet, network and discuss ongoing and future business. EGYPS is now on our top executives agenda.



This year, similar to the past two, our CEO, Jean Cahuzac, will be participating in a strategic panel discussion. The topic we have chosen for this year is "digitalisation", a topic that we are actively developing and entirely committed to achieve. We also take EGYPS as an opportunity to share our recent technical developments and success stories, where we bring in our experts to participate in the Technical Conference.

This year we will be presenting a technical document on how to fast track production from discovery. We have seen EGYPS grow from 2017 to 2018, and look forward to a very successful show in 2019.

“ EGYPT IS AN ATTRACTIVE COUNTRY FOR DOING BUSINESS THAT OFFERS A WEALTH OF HUMAN CAPITAL, LOCAL SERVICES THAT SUPPORT NEWCOMERS. THE ECONOMIC STABILITY COMBINED WITH THE FUTURE BUSINESS PROSPECTS SUPPORT A VERY HEALTHY AND POSITIVE BUSINESS ENVIRONMENT ”

# GROWTH WITH ENERGY



**TransGlobe Energy**  
CORPORATION

## ARGAS, PROMOTING BREAKTHROUGH TECHNOLOGIES IN EGYPT'S POTENTIALS: AN INTERVIEW WITH SAAD SAUD AL AKEEL, CHIEF EXECUTIVE OFFICER AT ARGAS

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### COULD YOU TELL US ABOUT THE HIGH-DENSITY 3D SEISMIC SURVEY CARRIED OUT BY ARGAS' SUBSIDIARY ARDISEIS IN EGYPT'S WEST KALABSHA CONCESSION?

Ardiseis has been acquiring ultra-high density data in Egypt's Western Desert since September 2017, namely in West Kalashah and Shushan blocks for our clients Apache and Khalda Petroleum. We are now operating on North West Razzak block for Apache. These surveys represent a technical breakthrough in the region. We deliver, to our clients, data of unmatched resolution in a very short turnaround, allowing them to maximise the return on seismic acquisition investment and de-risk their exploration and development decisions in a very short time.

### BESIDES SEISMIC SERVICES, WHAT OTHER SERVICES DOES ARGAS PROVIDE?

ARGAS helps unlock the potential of onshore/offshore oil and gas fields and mineral resources with unparalleled-quality geophysical data, both seismic and non-seismic

With over five decades of experience in surveying some of the world's most prolific oil and gas fields, ARGAS is one of the largest seismic data acquisition companies in the Middle East and parts of North Africa.

Along with seismic acquisition services, ARGAS with its partner CGG, offer multi-parameter geophysical data to its clients in the fields of oil and gas, minerals, and ground water exploration.

Over the years, there have been several advancements in multi-physics and satellite imagery technologies to efficiently generate earth models of large and difficult to access areas. Working alongside our parent company CGG, we use airborne technology to acquire geophysical data, which is then processed and interpreted for use by a number of industries.

Some of these technologies such as Falcon Airborne Gravity Gradiometry and Tempest Airborne Electro Magnetic have proven extremely beneficial in understanding surface and subsurface geology in minimising mineral exploration risks by integrating potential field data with seismic, geologic, and well data.

We have also recently conducted surveys for Saudi Aramco and Ma'aden. The most recent of which was for Ma'aden in 2013, we also conducted a Helitem survey in Mazalij for Saudi Aramco in 2015.

### DATA ANALYSIS AND IMAGING SERVICES

ARGAS crews typically acquire several terabytes (TB) of seismic data on any given day, this data needs to be processed and analysed for optimum well placement. ARGAS established its Technology Centre in Al-Khobar in 2009 to offer solutions to its clients in the region for imaging and interpretation challenges.

Uniquely positioned, ARGAS uses the latest processing and interpretation technology developed in-house and by its joint venture partner CGG.

### IN YOUR OPINION, HOW CAN DIGITALISATION IMPROVE GEOSCIENCE SERVICES AND SURVEYS?

In the oil and gas industry, data (geophysical, geological, drilling, and auxiliary) has been the main driver in propelling the exploration endeavors. With the advent of mega-seismic acquisition crews such as ARGAS' seismic crew in Egypt, and the amount of seismic data collected on a daily basis is huge. Analysing the seismic data along with a varied amount of supporting data poses unique challenges for the exploration of oil, gas, and mineral resources, and we have developed specific tools to do that in real time.

With progress in high performance computing and digitalisation, our industry is well-placed to utilise huge amounts of often varied types of data to help improve our workflows and decision-making process. The digitalisation provides the oil, gas, and mineral industries with innovative ways to create value by using data analytics to identify key production drivers. We use machine learning (ML) to classify unstructured legacy data and identify patterns used in exploration of decision-making processes and to minimise drilling risks.

### WHAT MAKES EGYPT AN ATTRACTIVE MARKET FOR ARGAS AND HOW DOES THE COMPANY EXPECT TO EXPAND ITS PORTFOLIO IN THE COUNTRY?

ARGAS through its subsidiary ARDISEIS has been serving our clients in Egypt since 2006. We see Egypt as a sustained and dynamic market, where innovation is valued by our clients and by the Egyptian national agencies. ARGAS is a technology-oriented company, which makes Egypt an ideal market to showcase our differentiators. We intend to follow this path of technological differentiation to grow our onshore seismic acquisition footprint, and expand it in the offshore domain.



### WHAT DOES THE EGYPT PETROLEUM SHOW REPRESENT TO ARGAS?

ARGAS has been attending the Egypt Petroleum Show (EGYPS) since its inception. EGYPS provides a platform for ARGAS to showcase its technological expertise and over 52 years of seismic and non-seismic geophysical data acquisition, processing, and interpretation capabilities. The event has evolved into a major forum for the gathering of technical and business elite around the world, especially in the Middle East and North Africa (MENA) region.

ARGAS has been at the forefront of the geophysical data acquisition in the Middle East and has a wealth of expertise to showcase and share with the like-minded business leaders and organisation. EGYPS provides the opportunity for ARGAS to meet its clients, potential business partners, government policy-makers, as well as oil and gas professionals and students, to keep up with the technological advancements in the geophysical data acquisition and processing domains.

“ WE SEE EGYPT AS A SUSTAINED AND DYNAMIC MARKET, WHERE INNOVATION IS VALUED BY OUR CLIENTS, AS WELL AS NATIONAL AGENCIES. ”

# TECHNICAL SESSIONS IN FOCUS

Having received over 700 abstracts from across the globe, the EGYPS 2019 Technical Conference will deliver 33 sessions across 11 technical categories, over 3 days at the Egypt International Exhibition Centre.

The first day of the Technical Conference presents discussions within three different technical categories: Exploration and Production (E&P) Geoscience; Project Management, Engineering Technology and Implementation (PMETI); and Artificial Intelligence and Connected Performance Technology and Services (AICPTS).

## Technical Conference Chairman

“Returning to Cairo in February 2019, EGYPS continues to grow, becoming the largest and most influential Show not only in Egypt but also North Africa and the Mediterranean. We welcome and encourage technical experts from all sectors of the oil and gas value chain to join us and showcase their latest research, methodologies, solutions and technology, fostering synergy and cooperation across the oil and gas industry.”



**Nabil Salah Gaber**  
Deputy CEO for Production  
Egyptian General Petroleum Corporation (EGPC)

## AGENDA

TUESDAY  
12 FEBRUARY 2019

SESSION	SESSION TITLE	TIME	LOCATION
Session 10	New benchmarks for operational excellence	10:00 - 11:30	Room 1, Plaza
Session 11	Refining & petrochemical integration and growth	10:00 - 11:30	Room 2, Plaza
Session 12	Improving asset performance management with digital solutions	10:00 - 11:30	Room 3, Plaza
Session 13	Achieving HSE and operational excellence	11:30 - 13:00	Room 1, Plaza
Session 14	Refinery process enhancement	11:30 - 13:00	Room 2, Plaza
Session 15	Subsea and offshore operations and developments	11:30 - 13:00	Room 3, Plaza
Session 16	Improving assets' integrity	14:00 - 15:30	Room 1, Plaza
Session 17	Petrochemicals – integration, expansion and development	14:00 - 15:30	Room 2, Plaza
Session 18	Subsea and offshore technologies	14:00 - 15:30	Room 3, Plaza
Session 19	Successful green solutions applications	15:30 - 17:00	Room 1, Plaza
Session 20	Improving energy efficiency in the oil and gas sector	15:30 - 17:00	Room 2, Plaza
Session 21	Reservoir engineering, evaluation, monitoring and testing	15:30 - 17:00	Room 3, Plaza

## 2019 TECHNICAL POSTER COMPETITION

NEW FOR 2019

New for this year is a Technical Papers' Poster Display that will be located on the exhibition floor (Hall 1) during all three days of the EGYPS 2019. Showcasing the latest research findings and technology, the Poster Display will be a fantastic educational and networking opportunity that is also free to attend to all exhibition visitors.

Today, Tuesday 12 February from 14:30 until 16:30, there will be the **Best Poster Selection** taking place, when all the posters will be evaluated by the Technical Committee Jury according to the following criteria:

- Content and quality of research.** Is scientific information provided of good quality? Is there sufficient explanation? Is the content suitable for experts and non-experts alike?
- Relevance and interest.** How relevant is the presented information to the industry? How interesting is the content?
- Visual appeal.** Is the poster appealing to the eye and inviting to read?












The highest scored poster will receive an Award Certificate that will be presented to the author during the show.

JOIN US IN HALL 1 TO VIEW THE TECHNICAL POSTER SESSIONS AND CELEBRATE THE BEST POSTER AWARD

COMPLETE  
YOUR  
CONFERENCE  
REGISTRATION  
IN HALL 2

To attend  
the Technical  
Conference  
sessions

# SCHEDULE OF

<b>11 TECHNICAL CATEGORIES</b>	 E&P Geoscience (GEO)	 Gas Processing Technology and Operations (GPTO)	 Gas to Power Generation Technology and Operations (PGTO)	
	 Operational Excellence, Maintenance and HSE (OEMH)	 Oil, Gas and Unconventional Field Developments (OGUFD)	 Offshore Technology and Operations (OTO)	 Downstream: Refining Technology, Operations and Marketing (DRTOM)
	 Drilling and Completions (DC)	 Project Management, Engineering Technology and Implementation (PMETI)	 Downstream: Petrochemicals Technology, Operations (DPTO)	 Artificial Intelligence and Connected Performance Technology and Services (AICPTS)

## TECHNICAL SESSIONS

## DAY 2: TUESDAY 12 FEBRUARY

<b>10:00 – 11:30</b>			<b>11:30 – 13:00</b>		
<b>ROOM 1</b> Session 10: New benchmarks for operational excellence	<b>ROOM 2</b> Session 11: Refining & petrochemical integration and growth	<b>ROOM 3</b> Session 12: Improving asset performance management with digital solutions	<b>ROOM 1</b> Session 13: Achieving HSE and operational excellence	<b>ROOM 2</b> Session 14: Refinery process enhancement	<b>ROOM 3</b> Session 15: Subsea and offshore operations and developments
<b>14:00 – 15:30</b>			<b>15:30 – 17:00</b>		
<b>ROOM 1</b> Session 16: Improving assets' integrity	<b>ROOM 2</b> Session 17: Petrochemicals – integration, expansion and development	<b>ROOM 3</b> Session 18: Subsea and offshore technologies	<b>ROOM 1</b> Session 19: Successful green solutions applications	<b>ROOM 2</b> Session 20: Improving energy efficiency in the oil and gas sector	<b>ROOM 3</b> Session 21: Reservoir engineering, evaluation, monitoring and testing

## TECHNICAL SESSIONS

## DAY 3: WEDNESDAY 13 FEBRUARY

<b>10:00 – 11:30</b>			<b>11:30 – 13:00</b>		
<b>ROOM 1</b> Session 22: Innovative techniques of drilling optimisation	<b>ROOM 2</b> Session 23: Reservoir characterisation and new technologies	<b>ROOM 3</b> Session 24: New developments in enhanced oil recovery	<b>ROOM 1</b> Session 25: Well construction and wellbore stability	<b>ROOM 2</b> Session 26: Advancements in seismic surveys and technology	<b>ROOM 3</b> Session 27: Reservoir evaluations - challenges and lessons learned
<b>14:00 – 15:30</b>			<b>15:30 – 17:00</b>		
<b>ROOM 1</b> Session 28: Artificial lift and completion challenges	<b>ROOM 2</b> Session 29: R&D and gas processing enhancement	<b>ROOM 3</b> Session 30: Field surveillance and smart digital oil fields	<b>ROOM 1</b> Session 31: Production improvements and stimulation challenges	<b>ROOM 2</b> Session 32: Acid gas treatment and sulphur recovery	<b>ROOM 3</b> Session 33: Reservoir characterisation and integrated development planning

**COMPLETE YOUR CONFERENCE REGISTRATION IN HALL 2**

# CONFERENCES

## STRATEGIC SESSIONS AND FINANCE AND INVESTMENT LUNCH BRIEFING DAY 2: TUESDAY 12 FEBRUARY

<b>10:00 - 11:00</b> Leadership panel... shifting global dynamics and connecting the energy dots: from production, consumption and industry growth	<b>11:00 - 12:00</b> Leadership panel... building legacies, creating history: the successful alliance of North Africa and the Mediterranean countries to boost production and achieve mutual goals	<b>12:00 - 13:00</b> Leadership panel... redefining the gas and LNG playing field: the role of the Mediterranean in becoming a gas hub and the next natural gas hotspot
<b>14:30 - 15:30</b> Leadership panel... digitising the future – adopting disruptive innovations and paving the way for a connected, data driven world	<b>15:30 - 16:30</b> EGYPS 2019 closing remarks...the bridge between East and West: building foundations for a sustainable future energy mix	<b>13:00 - 14:30</b> CEO Finance & Investment Lunch Briefing

## SECURITY IN ENERGY SESSIONS DAY 2: TUESDAY 12 FEBRUARY

<b>09:20 - 09:40</b> Welcome Remarks And Keynote Address	<b>09:40 - 10:30</b> Panel discussion: Partnerships as a basis for employee and critical assets security	<b>10:30 - 11:15</b> Panel discussion: Identifying the Achilles' heel of your cyber security strategy and protecting against costly cyber attacks
<b>11:30 - 12:25</b> Interactive roundtables 1. Contingency plans, crisis management and critical emergency response 2. Security risk assessment and management	<b>12:25 - 13:15</b> Panel discussion: The future of oil and gas security in Egypt, North Africa and the Mediterranean	<b>13:15 - 14:15</b> Lunch and networking

## HSE IN ENERGY SESSIONS AND FINANCE AND INVESTMENT BRUNCH BRIEFING DAY 3: WEDNESDAY 13 FEBRUARY

<b>09:20 - 09:30</b> Welcome Remarks	<b>09:30 - 10:20</b> Panel discussion: Next generation HSE: achieving reduced incidents and reaching zero fatalities through company-wide safety cultures and effective safety management systems	<b>10:20 - 11:10</b> Panel discussion: International best practices in creating healthier, safer and more sustainable working environments	<b>10:00 - 11:30</b> CEO Finance & Investment Brunch Briefing
<b>11:25 - 12:15</b> Panel discussion: Disrupting oil and gas HSE processes with state of the art smart digital solutions	<b>12:15 - 13:00</b> Panel discussion: What is the future of oil and gas HSE in Egypt, the Middle East and the Mediterranean?	<b>13:00 - 14:00</b> Lunch and EGYPS 2019 HSE Excellence in Energy Award	

## WOMEN IN ENERGY SESSIONS DAY 3: WEDNESDAY 13 FEBRUARY

<b>09:20</b> Welcome Remarks And Keynote Address	<b>09:45</b> Women In Energy: Why the time is right for Egypt, north Africa & the Mediterranean to capitalise on its biggest assets	<b>10:30</b> Attracting, retaining, advancing & sponsoring women: A nice to have or must have to achieving bottom line success?	<b>11:15</b> Digital fluency & gender parity: How are these interconnected & why does it matter?
<b>12:00</b> The middle management: A bridge between the present & the future	<b>14:00</b> The impact of culture on the workforce: Analysing how cultural cognitive biases affect diversity, inclusion, wages, and mentorship within the business	<b>14:30</b> The future is young: Building and developing an agile, competent and diverse workforce of the future today	<b>15:30 - 17:00</b> Women In Energy Awards

TO ATTEND THE CONFERENCE SESSIONS

## BECHTEL EXPANDING IN EGYPT

### AN INTERVIEW WITH STUART JONES – BECHTEL REGIONAL PRESIDENT, EUROPE AND MIDDLE EAST

BRONZE  
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#### HOW DOES BECHTEL PLAN TO EXPAND ITS ACTIVITIES IN EGYPT?

Since 1898, we have been the trusted partner of global industries and governments, helping them deliver more than 25,000 projects in 160 countries on all seven continents. We serve a wide range of markets through our four global business units: infrastructure; nuclear, security and environmental; oil, gas and chemicals; and mining and metals. For decades, we have partnered with customers, contractors and suppliers in Egypt to safely deliver quality projects.

We are further expanding our activities in Egypt by offering our full range of contracting models for project services; from development to engineering and construction to capital projects for operating facilities, focusing on the various market sectors we serve. However, our key focus in Egypt is serving the oil, gas and chemicals market, in which we operate through our four business lines; downstream and chemicals, liquefied natural gas (LNG), pipeline and water, and tanks and we aim to further leverage our expertise targeting EPC projects. Aligning our capabilities with our customers' goals, we can drive innovation across the project lifecycle, mitigate risk, and help ensure a lasting positive legacy.

We are proud to serve the local community by offering our expertise to enhance local skills, construction knowledge and capacity to sustain long-term economic development. On a current EPC construction project, we have procured more than \$1.6 billion of Egyptian goods and services and contributed to the upskilling of more than 6,000 local construction workers and 300 professionals who are leading the construction site.

#### WHAT MAKES EGYPT AN ATTRACTIVE MARKET FOR BECHTEL?

We see an exciting future for Egypt, especially in the oil and gas sector. President Abdel Fattah El Sisi has projected an inspiring vision to establish Egypt as an energy hub in the Eastern Mediterranean. In the last five years, the president and his cabinet have taken real and specific measures to realise that vision. The first gas production by British Petroleum (BP) at the Giza-Fayoum plant on February 6 is just one example of the progress that is being made. Bechtel is proud to play a role to support BP in the construction of the Giza-Fayoum plant as well as its sister Raven plant in the West Nile Delta Complex that is also nearing completion.

Over the decades that we have worked in Egypt, we have built strong connections with our customers and the local skilled workforce. We're excited about the growth opportunities in the industry and the positive legacy that we can leave in the region alongside our customers. We

believe the development of the market in Egypt and the local workforce capability will enable long-term success for the country. We consider our customers' projects as an investment in the local community's future. And through strong collaboration with our customers, we aim to help grow economies, connect and empower communities, improve access to energy and resources, connect citizens to vital services, and make the world a safer and cleaner place. We are proud to be entrusted with the responsibility of these critical missions for our customers.

#### WHAT IS YOUR MESSAGE FOR COMPANIES WILLING TO JOIN THE EGYPTIAN OIL AND GAS SECTOR?

Egypt has significant energy resources and the oil and gas sector is undergoing substantial growth. We believe the Egyptian government is taking the right policy decisions to encourage investment and participation across multiple sectors, especially the oil and gas sector, making it an attractive opportunity.

#### WHAT ARE BECHTEL'S EXPECTATIONS DURING THE THREE DAYS OF EXHIBITION AT THE EGYPT PETROLEUM SHOW?

It's an exciting time in the industry and we expect to see that excitement reflected at the exhibition. This event is an opportunity for our local team to engage with other companies looking to support the ongoing success of the oil and gas industry in Egypt.

The conference also offers us the opportunity to listen to the views of industry leaders as well as offers our own views on what to expect in the coming years.



It's important that the industry leaders are prompted to support the ongoing success of the industry.

“THIS EVENT IS AN OPPORTUNITY FOR OUR LOCAL TEAM TO ENGAGE WITH OTHER COMPANIES LOOKING TO SUPPORT THE ONGOING SUCCESS OF THE OIL AND GAS INDUSTRY IN EGYPT.”





The EGYPS 2019 Youth Engagement Programme is 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 students to pursue careers in the oil and gas industry. Four purpose built Experiential and Edutainment Zones will provide a learning platform for all students on the exhibition floor. The zones will be designed to stimulate student engagement with sensory experiences of sight, smell and feel workshops.

VISIT THE YOUTH ENGAGEMENT PROGRAMME IN HALL 1

## THE PROGRAMME OFFERS 4 EXPERIENTIAL AND EDUTAINMENT ZONES

NEW FOR 2019



### EGYPS YOUTH ENGAGEMENT PROGRAMME

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**ExxonMobil**



#### Museum Zone

which will have an interesting journey exploring the discovery, extraction and production of oil and gas in Egypt. Students will have the opportunity to walk through time and learn key milestones of the history of the Egyptian oil and gas industry.



#### Oil & Gas Cinema

This zone will be set up as cinema theatre with colorful seats and will provide the students an opportunity to learn about Oil and Gas through watching selected movies.



#### Health and Safety Zone

In this zone students will gain awareness about the hazards of working in oil & gas fields. Students will learn the importance of site safety, current regulations, equipment choices and available solutions.



#### Engineering Zone

In this zone students will learn some of the engineering design processes. Students will work as a team in building a prototype of a specific project that will be given to them upon their arrival to the zone. Students will learn the following skills: Problem solving, big thinking and team working skills.

## DIGITALISATION IN ENERGY

EGYPS 2019 Digitalisation Zone witnessed a series of mini-sessions during the first day of EGYPS Exhibition. In the sessions, more than ten different companies showcased their digital innovations that will enhance productivity, increase the lifetime of projects and enable savings on capital expenditure.

The inaugural Digitalisation Zone is an initiative of EGYPS 2019 to promote the digital transformation of the oil and gas sector and open new business opportunities. It provides the essential building blocks for the industry to embark on its transformation journey and works as an effective networking and business platform.

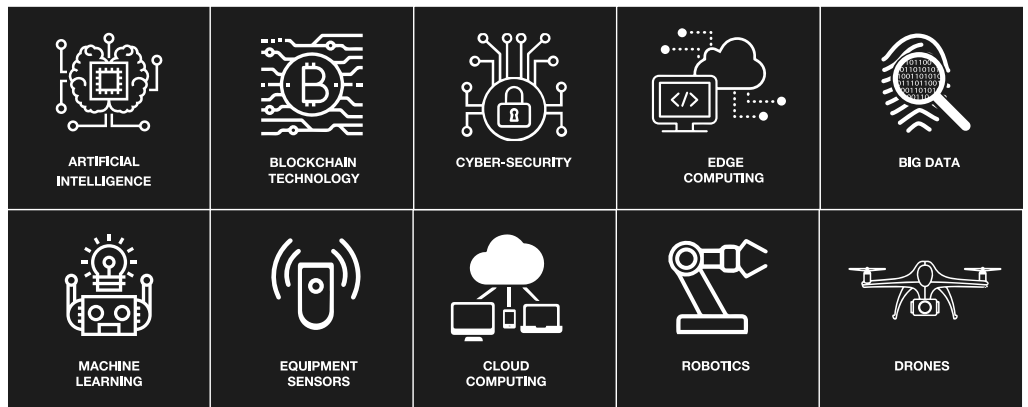
The zone encompasses a Digitalisation Theatre with multiple mini-sessions taking place across the three days of event in which different start-up businesses, SME's and global technology companies have an opportunity to demonstrate their solutions and services.

NEW FOR 2019

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### EXHIBITOR PROFILES INCLUDE



VISIT THE DIGITALISATION ZONE IN HALL 1

TUESDAY 12 February 2019

TIME	SESSION TITLE
11:00 - 11:15	<b>Predictive Corrosion Management (PCM)</b> Ahmed Mazloum, Baker Hughes, a GE company
11:20 - 11:35	<b>Haverly Production Planning (LP) Solution</b> Randy Bozarth, Vice President, Heavenly Systems
11:40 - 11:55	<b>Dell and SAP Oil &amp; Gas Connected Digital Operations</b> Karem AbdElghany, Senior Enterprise Architect-SAP Practice, Dell EMC
12:00 - 12:15	<b>National Data Centers</b> Janeth Jaimes, Data Business Development Manager, Schlumberger Egypt & East Mediterranean Region

TIME	SESSION TITLE
12:20 - 12:35	<b>Digitisation of Oil &amp; Gas Operations Using Operations using Integrated Production and Accounting Solutions - Production Solutions</b> Pratul Talaha, Director (Business Development), P2 Energy Solutions
12:40 - 12:55	<b>ICOM Marine Radios</b> Eng.Ehab Abdel fattah Youssef, Executive Manager, Mega Communication
13:00 - 13:15	<b>Applying a Digital Approach for More Efficient and Effective Wells</b> Wael Koroosh, Senior Technical Consultant, Halliburton
13:20 - 13:35	<b>Digitalisation in Oil &amp; Gas Industry</b> Elias Nicolas, Open Plant Technical Sales, Bentley Systems

TIME	SESSION TITLE
15:00 - 15:15	<b>Digital Oilfield</b> Marwa Hassan, Production Marketing Manager, Schlumberger Egypt & East Mediterranean Region
15:20 - 15:35	<b>Crude Management Solutions</b> Malek El Masri, Business Development Manager, Haverly Systems
15:40 - 15:55	<b>High Performance Computing in Oil and Gas</b> Mohamed Lamine Selmane, Industry Architect, Global Energy Practice, Dell EMC
16:00 - 16:15	<b>Z+F Laser Scanning &amp; Construction Verification</b> Kresser Markus / Adham Dahi, Application Engineer / Laser Scanning BU Manager, Z+F / Geomatex

TIME	SESSION TITLE
16:20 - 16:35	<b>Voice of the Oil Field</b> Wael Koroosh, Senior Technical Consultant, Halliburton
16:40 - 16:55	<b>ICOM Aviation Radios</b> Eng.Ehab Abdel fattah Youssef, Executive Manager, Mega Communication
17:00 - 17:15	<b>Digitisation of Oil and Gas Operations Using Integrated Production and Accounting Solutions - Oil &amp; Gas Accounting for International Ventures</b> Maher Ben Salem, P2 Energy Solutions

# DON'T MISS TOMORROW'S SESSIONS

## 10:00 - 11:30 FINANCE AND INVESTMENT BRUNCH BRIEFING

Running simultaneously, the CEO Finance and Investment Roundtables will focus on:

### Roundtable 1: The ins and outs of Egypt's IPOs – overview and market opportunities



**Said Hanafi**  
Partner  
White & Case



**Karim Helal**  
Managing Director, Corporate  
Finance & Investor Relations  
Carbon Holdings

NEW FOR 2019

Al Manara Conference Hall B and C

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### Roundtable 2: Review of Egypt's economic reform programme: restoring stability, confidence and boosting the country's growth and investment



**Mohasen Adel**  
CEO  
General Authority for  
Investment & Free Zones  
(GAFI)



**Counselor Amr Noureldin**  
Legal Advisor to the CEO  
General Authority for  
Investment & Free Zones (GAFI)

### Roundtable 3: Attaining attractive project finance for smart growth and successful project delivery



**Philip Stopford**  
Partner  
White & Case LLP



**Karim Hefzy**  
Managing Director of Project Finance  
Carbon Holdings

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## TECHNICAL CONFERENCE

### TECHNICAL CATEGORIES COVERED ON DAY 3

Drilling and Completions (DC)	E&P Geoscience (GEO)	Gas Processing Technology and Operations (GPTO)	Oil, Gas and Unconventional Field Developments (OGUFD)
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TIME	ROOM 1, PLAZA	ROOM 2, PLAZA	ROOM 3, PLAZA
10:00 - 11:30	Session 22, Category: DC Innovative techniques of drilling optimisation	Session 23, Category: GEO Reservoir characterisation and new technologies	Session 24, Category: OGUFD New developments in enhanced oil recovery
11:30 - 13:00	Session 25, Category: DC Well construction and wellbore stability	Session 26, Category: GEO Advancements in seismic surveys and technology	Session 27, Category: OGUFD Reservoir evaluations - challenges and lessons learned
14:00 - 15:30	Session 28, Category: DC Artificial lift and completion challenges	Session 29, Category: GPTO R&D and gas processing enhancement	Session 30, Category: OGUFD Field surveillance and smart digital oilfields
15:30 - 17:00	Session 31, Category: DC Production improvements and stimulation challenges	Session 32, Category: GPTO Acid gas treatment and sulphur recovery	Session 33, Category: OGUFD Reservoir characterisation and integrated development planning

# HSE Excellence in Energy Award Ceremony

Hall 2, Plaza Conference room 4



The EGYPS 2019 HSE in Energy Forum will culminate with the inaugural EGYPS HSE Excellence in Energy Award presented by His Excellency Tarek El Molla, Minister of Petroleum and Mineral Resources, Arab Republic of Egypt.

The HSE Excellence in Energy Award recognises outstanding projects, case studies and strategies in health, safety or environmental protection (including environmental efforts of corporate social responsibility programmes) across all parts of the oil and gas value chain.

Open to NOCs, IOCs, EPC contractors, service providers, OEMs, technology and solution providers whose HSE initiatives have had a substantial impact in Egypt, North Africa and/or the Mediterranean - we would like to take this opportunity to thank everyone who took the time to enter and to the 8 Regional Select Jury members who reviewed 38 entries received from over 30 companies across 7 countries.

## 13:00 OPENING KEYNOTE ADDRESS

## 13:20 SHORTLISTED FINALISTS' PRESENTATIONS AND AWARD CEREMONY

### Solid waste management pilot project

How company-wide environmental policy and strategic direction can contribute towards the impact and influence of sustainable development



### HSE challenges of working in a mature field

Overcoming challenges and showcasing how small HSE actions when combined, can play a big role in well-functioning, working communities with safe working conditions



### HSE interactive 3D training

How technology simulated training can replace traditional techniques to improve overall training efficiency and effectiveness through the power of real applications



## 14:00 CLOSING OF THE HSE IN ENERGY FORUM AND AWARD CEREMONY

# Women in Energy Conference & Awards

Al Manara Cinema Hall



Created and developed as a platform to foster mentorship and sponsorship opportunities for women in the oil and gas sector, the EGYPS Women in Energy Conference & Awards will bring together empowered, successful leaders championing workplace diversity and inclusion to discuss the impact of diverse workforce on the bottom line and why diversity is the right way forward.

- 09:45 **WOMEN IN ENERGY: WHY THE TIME IS RIGHT FOR EGYPT, NORTH AFRICA & THE MEDITERRANEAN TO CAPITALISE ON ITS BIGGEST ASSETS?**
- 10:30 **ATTRACTING, RETAINING, ADVANCING & SPONSORING WOMEN: A NICE TO HAVE OR MUST HAVE TO ACHIEVING BOTTOM LINE SUCCESS?**
- 11:15 **DIGITAL FLUENCY & GENDER PARITY: HOW ARE THESE INTERCONNECTED & WHY DOES IT MATTER?**
- 12:00 **THE MIDDLE MANAGEMENT: A BRIDGE BETWEEN THE PRESENT & THE FUTURE**
- 14:00 **THE IMPACT OF CULTURE ON THE WORKFORCE: ANALYSING HOW CULTURAL COGNITIVE BIASES AFFECT DIVERSITY, INCLUSION, WAGES, AND MENTORSHIP WITHIN THE BUSINESS**
- 14:30 **THE FUTURE IS YOUNG: BUILDING AND DEVELOPING AN AGILE, COMPETENT AND DIVERSE WORKFORCE OF THE FUTURE TODAY.**

## AWARDS CEREMONY

- 15:30  
OPENING KEYNOTE ADDRESS
- 15:45  
AWARDS CEREMONY
- 17:00  
CLOSING OF THE CONFERENCE & AWARDS

### Award Categories

- 1 **WOMEN IN LEADERSHIP**
- 2 **NEX-GEN FEMALE OF THE YEAR AWARD**
- 3 **STEM STAR OF THE YEAR** NEW FOR 2019
- 4 **EMPLOYER OF THE YEAR CHAMPIONING INCLUSION & DIVERSITY**

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## TECHNIPFMC: TRANSFERRING PROJECTS ECONOMICS

TechnipFMC is a global leader in subsea, onshore, offshore, and surface technologies. With our proprietary technologies and production systems, integrated expertise, and comprehensive solutions, we are capable of transforming our clients' project economics.

We are uniquely positioned to deliver greater efficiency across project lifecycles; from concept to project delivery, and beyond. Through our innovative technologies and improved efficiencies, our offering unlocks new possibilities for our clients in developing their oil and gas resources.

Our company is enriched by its employees as well. Each of our more than 37,000



employees is obsessed by fulfilling their commitment to the clients. In addition, they are advantaged by having a culture of purposeful innovation, challenging industry conventions, and rethinking how the best results can be achieved.

At EGYPS 2019, our company aims to show more about all of its capabilities. To learn more about us and how we are working on enhancing the performance of the world's energy industry, please go to [TechnipFMC.com](http://TechnipFMC.com) and follow us on Twitter @TechnipFMC.

STAND NUMBER: 2H61 HALL 2

## MARIDIVE: THE LARGEST REGIONAL FLEET SIZE

Maridive Group, founded in 1978, is the largest company providing offshore marine and oil support services in Egypt and in the region, in terms of fleet size. The group grew to be operated on five continents, with investments of over \$310 million.

Maridive's globally renowned reputation, for excellence and efficiency, is based on its leading technology, high-end services and expertise.

Maridive strives to continue diversifying its offshore services, expanding its fleet, providing diving, maintenance,

## MARIDIVE GROUP

construction work, enhancing technology, deepening its expertise, and broadening its outreach globally. Our mission is to be the best offshore and oil service partner to our clients, providing services with the highest degree of professionalism, integrity, and dedication.

We look forward to participating in EGYPS 2019 and joining the industry leaders in creating a brighter outlook for Egypt's petroleum sector.

STAND NUMBER: 2F60 HALL 2

## ACE OIL: AN INNOVATIVE GLOBAL TECHNOLOGY PROVIDER

Ace Oil Tools is a Norwegian oil and gas company, founded in 2012. Its main target is to be an innovative global technology provider, in terms of downhole components that need to be locked securely into any tube with unrivalled holding force and slim design.

Our team members have broad and extensive backgrounds about oil and gas industry. We share a common interest in innovation and technology. Since the inception of Ace Oil Tools, we have developed a range of innovative products and cost-efficient solutions to our clients.

The Ace Ratchet Collar (ARC) is a patented tool that reliably anchors accessories to casing without a complex

installation process or a tool with troublesome set screws. The 2-piece design is press-fit together to secure the collar to the casing off-line.

The ARC permanently locks together to deliver extremely high holding force under all operating conditions without affecting drift and can be used with any third-party centraliser or casing accessory. The ARC can be taken directly from the shelf and installed onto any size and grade API pipe in yield strengths up to 140kse. The ARC is available in standard, slim and ultra-slim models, and are manufactured from 4140 steel or chrome materials. Non-standard sizes or materials are available upon request.



STAND NUMBER: 2G30 HALL 2



## DAY 1 WINNER OF THE RAFFLE DRAW

**MR JAMES FOX**

Regional Sales Manager,  
Honeywell

**WATCH OUT FOR THE RAFFLE DRAW**  
DAILY AT 16:00  
EGYPS STAND 3H50, HALL 3



**11-13 February 2019**  
Egypt International Exhibition Center

SUPPORTED BY



# INTRODUCING EGYPS 2019 MOBILE APP



Plan your trip in advance - view the exhibition floorplan and see who is exhibiting and who you can meet



Host to 5 Conferences - view the speakers, sessions and dedicated strategic and technical oil and gas topics



Gain access to the entire A-Z exhibitor listing and view details of their products and services across the oil and gas value chain



Optimise your visit to EGYPS by personalising your calendar with an overview of what is happening where and when



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**DEUTSCHLAND TECHNOLOGY: THE BIGGEST DISTRIBUTER OF HI-FOG®**

Deutschland Technology (DT) provides the sector with different technologies. Marioff – HI-FOG®, provides high technical products and services for buildings and industries worldwide. We are the biggest distributor of the flagship brand HI-FOG®, which is the world’s leading water mist fire protection system, with applications ranging from protecting cultural, heritage buildings and aircraft hangers, to machinery spaces, industrial, electrical and marine applications. For years, Autronica have been a preferred supplier of fire and gas safety systems in the petrochemical, oil and gas market throughout the world. In addition, we continuously develop new products whilst providing safety to an entire industry, where thousands of lives depend on them every single day and night. The AutoSafe® control panel is the world’s first SIL two-approved integrated addressable

fire and gas detection system. We also offer a full range of flame and gas detectors, highly sensitive smoke detection (HSSD), gas sampling, alarm management and control systems.

**Angus Fire**

A UK global leader in firefighting technology with a remarkable history in manufacturing fire protection products that can be traced back over 220 years.

We provide intelligent solutions and services for buildings and industries for Angus product range, foam concentrates, fixed, portable and mobile equipment for foam system, fire hoses and hose reels with wide range of coupling types and valves, coolfire, extinguishers, portable pumps, trailers, monitors.

**Janus Fire Systems**

A division of McWane, one of the world's largest manufacturers of iron water works and plumbing products.



Janus Fire Systems is a US-based, ISO-9001 certified manufacturer of high-quality products for the protection of all types of special hazards. DT oil and gas, as an official distributor, can provide a full smart complete solution for CO2 (HP / LP), FM200, Novec 1,230 fire fighting systems for industrial and commercial applications.

**Saval (CFI Rim Seal systems)**

A fire protection gas based extinguishing system for floating roof tanks around the world and in Iraq. This is the only approved

system protecting the floating roof tanks. DT introduces this smart and reliable system to you. Whatever the structure of your floating tank, we will have a solution.

**EMI Controls**

provides a Turbojet technology as a solution for firefighting. This technology is successful in industry, refineries, tunnels and underground railway shafts, airports, forest fires, chemical, urban areas, recycling centers as well as dumpsites.

STAND NUMBER: **1D28** HALL 1

# COMMITTED TO ENERGY EFFICIENCY

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11-13 February 2019

Egypt International Exhibition Centre

## PAS: SOLE OIL AND GAS AVIATION SERVICE PROVIDER

Petroleum Air Services (PAS) is an Egyptian joint stock company established under the investment law of Egypt in 1983. The company provides air service transportation inside and outside Egypt, using helicopters and fixed wing aircraft, in the field of services for petroleum and mineral resources companies and any other economical entities. The services are exemplified in transporting individuals, supplies, air taxi services, aircraft maintenance for the company and the third parties, scheduled and unscheduled (charter) flights domestic and international. The company has been accredited as an authorised service center for Bell helicopter for maintenance and sell of spares.

The company is the sole service provider for the aviation services to the oil and gas companies, also has passed all the required tests and audits for those missions.

The company passed the International Aviation Safety Audits (IOSA) and now is an IATA member and can fly to and from Europe to other destinations.

During 2019, the company added to its objectives washing electric towers, using helicopter and applied to ECAA to operate scheduled flight.



The stockholders are Egyptian General Petroleum Corporation (EGPC), which owns 75% of the shares, and Bristow group incorporation with a 25% stake. The issued and paid up capital reached \$100 million fully paid.

The company fleet consists of different types and capacities to meet different types of operations and requirements.

Most of the aircrafts are equipped with the highest safety features and oil and gas producers' requirements (OGP) to comply with different clients demands.

Now, we are proud to announce that the oil and gas sector owns one of his unique strategic services by one of the Egyptian companies with Egyptian workforce.

All guests, exhibitors of EGYPS 2019, are invited to visit PAS booth to attend a safety moment briefs and the strategic future plans of PAS.

STAND NUMBER: **3D60** HALL 3

## ROYAL IHC DELIVERS INNOVATIVE SOLUTIONS TO SUBSEA COMPANIES

Royal IHC is a reliable supplier of innovative and efficient equipment, vessels and services for the offshore, dredging and wet mining markets. We have a history of providing reliable solutions for the most difficult maritime challenges from sea level to ocean floor and sustainable life-cycle support from sites and offices on every continent.

IHC has an impressive track record in delivering innovative solutions to major subsea construction companies, ship owners and oil companies. Our products are at the forefront of marine technology. Come and meet us at EGYPS 2019 as in our booth you can find out more about, for example, our multipurpose offshore support vessels and subsea separator.

### Multipurpose Offshore Vessels

IHC's portfolio of multipurpose offshore support vessels is suitable for a wide range of activities; such as inspection, maintenance and repair (IMR) work, as well as construction and field support operations. Furthermore, the company's extensive knowledge and experience in designing and building highly-integrated offshore vessels has been used to design a range of state-of-the-art service operation vessels. These have been



developed to meet the requirements of both the offshore wind, and the oil and gas industries.

### Subsea Separators

Subsea processing has been proven within the industry as a route for increasing production efficiency, and is used as an enabler for brownfield development and longer distance tie-backs. However, subsea processing systems are large and heavy when they are being placed subsea. This makes them costly to install and maintain. Instead of making installation equipment larger, we looked at making the subsea systems and pipelines, that our equipment installs, lighter and easier to service. IHC has packaged a proven online separator in a compact and lightweight system.

Visit our booth #2J41, find out more and see both products being displayed. We look forward to meeting you!

STAND NUMBER: **2J41** HALL 2

## GASTEC INTRODUCES ONE-STOP-STATIONS

At EGYPS 2019 exhibition, the attendees visiting GASTEC's booth will perceive an entirely new approach for affording fueling services in Egypt in the upcoming years. We will do that through introducing the one-stop-stations, which is involving integrated services and providing fueling with Compressed Natural Gas (CNG), different liquid fuels, as well as converting vehicles to run by CNG. Moreover, it will contain lubricants, mini-market, car maintenance and other services in order to fulfill all customers' needs in just one place.

Following the directives of President Abdel Fattah El Sisi to boost adopting alternative fuels, and encouraging citizens to convert their cars into CNG, it gives way to initiate unprecedented business opportunities in the Egyptian market, such as launching for the first time OEM cars running with bi-fuel CNG and gasoline or CNG only same



as those powered by electricity.

In our booth, the attendees will know how the Italian energy giant company and one of the global oil and gas super players, Eni company, will have the first appearance in the Egyptian market in the field of filling stations and lubricants. GASTEC and Eni S.p.A, shareholder in GASTEC, signed an agreement for establishing integrated service stations combining for the first time fueling with

CNG and liquid fuels.

As a customer or investor, visiting our booth will give us the opportunity to let you know more about the lubricants of Eni, which will be available soon in the Egyptian market.

GASTEC has also concluded another agreement with Eni S.p.A that entitles GASTEC to exclusively distribute Eni lubricant products in Egypt. The exclusive distribution agreement is just

the first step towards locally blending and packing oils and lubricants in Egypt in line with the directives of the Minister of Petroleum and in implementing the vision of the petroleum sector to transfer Egypt into a regional hub for trading oil and gas.

The off-grid CNG transportation through virtual gas pipeline using the technology of mother-daughter station is also a new approach that will be introduced in GASTEC's booth. The off-grid CNG transportation objective is to transport CNG from online mother stations with available gas pipeline from the gas grid to offline daughter stations that do not have gas pipeline sources in order to feed vehicles, domestic, industrial and commercial facilities, which come in line with the unconventional solutions provided by GASTEC to render CNG accessible everywhere.

STAND NUMBER: **3A68** HALL 3

## RMS: WELLS SAND CONTROL SCREENS, CASING AND ACCESSORIES MANUFACTURER



Roscoe Moss Sahara (RMS) is a private Egyptian company founded in 2008 and located in 6th of October City, Egypt. RMS is certified for ISO 9001-2015 and API 5CT.

RMS is a subsidiary of Roscoe Moss Company (RMC), that is located in Los Angeles, California. The US-based, firm was established in 1926.

RMS facility contains all the required equipment required to manufacture all types of wells screen, with a diameter ranging from 5 5/8 to 14", the collapse pressure is up to 3000 PSI, and the tensile strength is up to 60 tons; such as wire wrap 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 crossover tool with graveling port, 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.

Roscoe Moss manufacturing (RMC) is a leading expert in ground water development, which has participated in all phases of this industry since 1926. Today, the company's primary business is manufacturing and supplying of water well casing and screen.

Roscoe Moss Sahara (RMS) maintains a substantial raw material inventory. This ensures products are readily available for prompt delivery.

Roscoe Moss Sahara (RMS) is based in the heart of the Middle East to serve the needs of this market not only by manufacturing special high quality products but also providing technical information and offering educational and training assistance.

RMS and RMC export products to several countries in the world; such as, USA, Mexico, Latin American countries, Egypt, Libya, Tunisia, Algeria, Sudan, Jordan, KSA, Qatar, Ethiopia, Eretria, Namibia, Mongolia.

Our Clients are from all over the world; including Schlumberger, Halliburton, BP, ENI, DASCO, RWA, Elarabia, Condrill, Assail, Elmozn, HPS, HRB, Golder, Geomin, Zadna, AlRajhi.

STAND NUMBER: **2J69** HALL 2

## WIKA: A RENOWNED PARTNER

WIKA Near East Ltd. is a limited liability company. Alexander Wiegand SE & Co. KG, a subsidiary of WIKA, is a global market leader in pressure, temperature, level, force, flow and calibration measurement technology. It was established since 2009, and located in Nasr City, Egypt. Our current activities include sales, calibration, repairs and training.

WIKA Near East Ltd. serves the following countries: Egypt, Nigeria, Iraq, Jordan, Kenya, Lebanon, Libya, Sudan, South Sudan, Syria, Eretria, Ethiopia, Chad, Djibouti, Republic Central Africa, and Somalia.

Over the past 80 years, WIKA has



built a reputation as a renowned partner and competent specialist for any task in the field of measurement technology.

On the basis of steadily growing efficiency, innovative technologies are applied when developing new products and system solutions.

The reliability of the products and the readiness to face all challenges of the market are considered the key factors for WIKA to achieve a leading position in the global market.

STAND NUMBER: **3G48** HALL 3

## PPG PRESENTS PITT- CHAR TECHNOLOGY

Owners and operators of oil, gas and petrochemical facilities require durable and effective fire protection solutions that can be relied upon to provide the required protection throughout the operating life of the plant. For over 35 years, PPG's PITT-CHAR technology has been trusted to safeguard personnel and equipment in hazardous environments around the world.

Building on this track record and developed in our state-of-the-art laboratories, PPG PITT-CHAR NX will continue to help protect lives and valuable assets, while bringing value and efficiencies to your project.

During EGYPS 2019, we will exhibit two biggest coatings technologies in the world.

PPG PITT-CHAR NX is the next generation flexible epoxy intumescent coating system which is designed to resist the most severe hydrocarbon



hazards - pool fires, jet fires and explosions - in both onshore and offshore environments within the oil, gas and petrochemical industries.

In addition, our second technology will be about high-temperature-resistant coatings which are designed to withstand temperatures, ranging from 150°C (300°F) to over 760°C (1,400°F), while providing protection against corrosion.

STAND NUMBER: **2F68** HALL 2

## ARGAS: UNLOCKING THE RESOURCE POTENTIAL OF ONSHORE, OFFSHORE FIELDS



Throughout the 50-year history of ARGAS, the acquisition of seismic data has been the core of its business. Until 2007, ARGAS had been specialised in the 2D and 3D land acquisition in the Kingdom of Saudi Arabia. Since then, we have expanded our services to include the whole Middle East.

At that time, our acquisition services were diversified to include 2D and 3D shallow and deep marine surveys in the Arabian Gulf, including the world's largest Ocean Bottom Cable survey. ARGAS now is providing its clients with a full range of geo-science services, including non-seismic geophysical techniques; such as airborne gravity

and magnetic surveys. In addition, we offer permanent reservoir monitoring and micro-seismic surveys, processing, and interpretation of all geophysical data.

ARGAS Technology Centre was opened in Al Khobar in 2009, providing the latest technology in seismic imaging, reservoir characterisation, and training services. During 2012, ARGAS joined the Dhahran Techno Valley conglomerate of companies specialised in energy related research and development activities.

Health, Safety, environment and client satisfaction is a priority for this Saudi company in all of its activities.

STAND NUMBER: **3C38** HALL 3



## SCHNEIDER ELECTRIC INTRODUCES OIL AND GAS ECOSTRUXURE™

As a global specialist in energy management and automation, Schneider Electric introduces the oil and gas EcoStruxure™ combined architecture for energy, automation, and software, which enables full transparency and integration between segments, applications, and control platform. The display showcases Schneider Electric's complete solution covering all three phases of the oil and gas process, including upstream, midstream, and downstream.

Schneider Electric is highlighting its leading position in oil and gas solution for more scalable and flexible industrial architectures, leveraging the best of IT technologies.

The company provides enhanced reliability and safety. It can protect your oil and gas plant from security risks through redundant architectures, distributed control systems, and insight and training for critical systems.



Schneider supplies accelerated IoT connectivity. Our information management solutions provide better outcome management, improved asset performance, and superior operations and execution.

The company offers efficient day-to-day operations. We empower simplicity to manage oil and gas plant operations through ease of use, scalability, and secure the standards-based integration.

Schneider provides integration of sustainability. We ensure efficiency and sustainability by helping you define a strategy, implement efficiency plans, and monitor performance for optimised operations.

STAND NUMBER: **2B50** HALL 2

## OXIFREE METAL PROTECTION DEVELOPS TM198

During EGYPS 2019, Oxifree Metal Protection will be exhibiting TM198, which is our active anti-corrosion thermoplastic coating for the protection of metal assets. The environmentally friendly coating offers a protective shield to metals against the elements while inhibiting corrosion. Our solution is simple and fast to be applied with minimal preparation and is proven to withstand for years of exposure in harsh environments, bringing savings to Capex and Opex and reducing HSE concerns.

In today's challenging times in the oil and gas industry, the sector is still looking for ways to reduce the unnecessary expenditure and make critical savings to maintenance. In addition, the sector aims to increase safety and reduce ecological impact. Our solutions have a positive effect on asset integrity management by extending asset lifespan without operational shutdown.



At our booth, we will have test rigs on display to demonstrate the product application, which we will show our visitors the ease of application via our range of suitable application machines. We will also be displaying Oxitape, our protective wrap for TM198, which provides a hardened shell for greater impact resistance. Oxitape brings the benefits of TM198 to a wider range of applications, assets and environments.

Our knowledgeable team will be on hand to talk about the many product features and benefits, along with proven case studies for our products in action from many industries we work with.

We are looking forward to meeting you at stand 2H49 to demonstrate how we can bring our active anti-corrosion and contamination solutions to you.

STAND NUMBER: **2H49** HALL 2



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



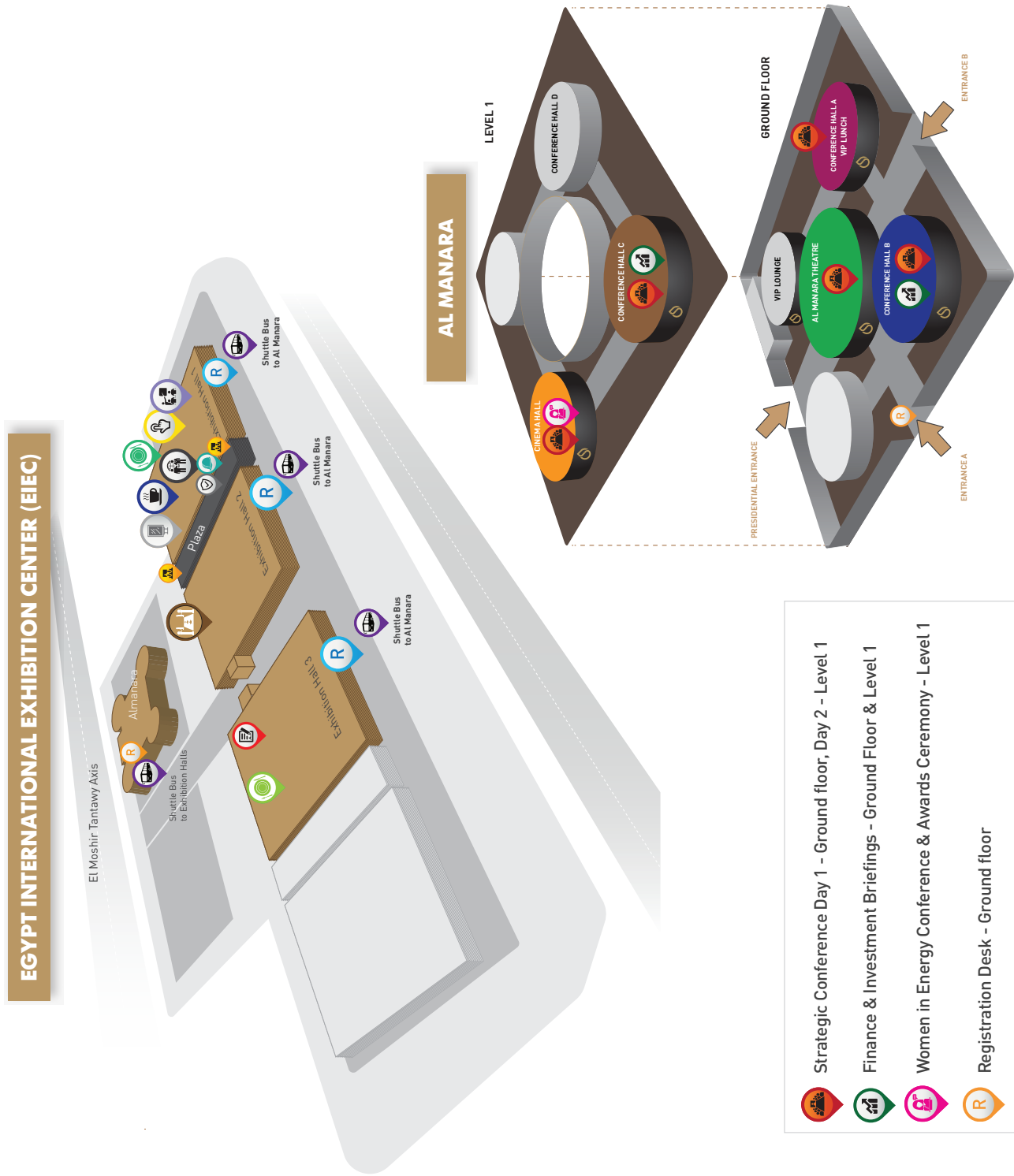
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VISIT US AT STAND **2D68**



- Digitalisation Zone - Hall 1
- Global Meetings Programme - Hall 1
- Youth Engagement Programme - Hall 1
- Technical Conference Rooms - Plaza, Rooms 1, 2, 3
- EGYPS Petroleum Club - Hall 2
- Technical Poster Display - Hall 1
- Security in Energy Forum - Plaza, Room 4
- HSE in Energy Forum & Award Ceremony - Plaza, Room 4
- Conference Delegate Lunch - Hall 1
- Security in Energy, Woman in Energy, Technical Delegates
- Conference Delegate Lunch - Hall 3
- All Access and Strategic Delegates
- Registration Area - Halls 1, 2 & 3
- Shuttle Bus Drop-off Zone - Halls 1, 2, 3 & Al Manara
- All Conferences Coffee Break - Hall 1
- EGYPS 2020 Sales Stand

**VENUE LOCATION:**  
 Egypt International Exhibition Center  
 New Cairo, 5th settlement  
 El Moshir Tantawy Axis  
 Cairo Governorate

# SHUTTLE BUS SCHEDULE



**ZONE 1: 90 Street: Dusit Thani LakeView, 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

	Departure Time - Monday 11 February			Departure Times - Tuesday 12 & Wednesday 13 February			
	First Departure	Second Departure	Third Departure	First Departure	Second Departure	Third Departure	Fourth Departure
<b>90 Street Zone</b>							
Dusit Thani LakeView	12:45	13:00	13:30	08:45	09:00	09:15	09:30
Helnan Landmark	12:55	13:10	13:40	08:55	09:10	09:25	09:40
EIEC Arrival	13:15	13:30	14:00	09:15	09:30	09:45	10:00
<b>Ring Road Zone</b>							
Royal Maxim Kempinski	12:45	13:15	-	08:30	08:45	09:00	09:15
Renaissance Mirage City	13:00	13:30	-	08:45	09:00	09:15	09:30
JW Marriott	13:15	13:40	-	08:55	09:10	09:25	09:40
EIEC Arrival	13:30	14:00	-	09:15	09:30	09:45	10:00
<b>Nasr City Zone</b>							
Intercontinental City Stars	12:50	-	-	08:35	08:45	09:00	09:20
Holiday Inn	13:00	-	-	08:45	08:55	09:10	09:30
EIEC Arrival	13:30	-	-	09:15	09:30	09:45	10:00

DEPARTURE FROM VENUE TO HOTELS		
Monday 11 February	Tuesday 12 February	Wednesday 13 February
19:15	19:15	19:00
19:30	19:30	19:30



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