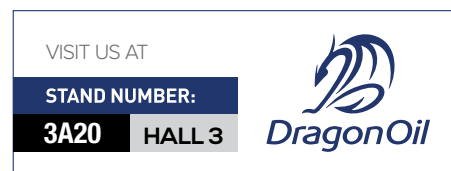


EGYPS NEWS

EGYPT PETROLEUM SHOW

11-13 February 2020 Egypt International Exhibition Center



OFFICIAL PUBLICATION



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SHOW PREVIEW

JANUARY 2020

EGYPS 2020: DELIVERING THE ENERGY NEEDS OF TOMORROW

EGYPS 2020 is the largest international oil and gas platform across the North African and the Mediterranean region. Convening such a prominent show provides oil and gas industry leaders, government officials, international oil companies (IOCs), national oil companies (NOCs), operators, contractors, consultants, and investors with a significant opportunity to engage in an ongoing dialogue, exchange knowledge, share expertise, and bolster business cooperation.

Throughout 2019, the North African and the Mediterranean region witnessed a plethora of new discoveries and a noticeable surge in exploration activities. Accordingly, the production rates of oil and natural gas increased, tightening the gap between production and consumption. Moreover, the sector's downstream segment saw many advancements as well, in addition to initiating several expansion plans. It is worth mentioning that these developments were supported and monitored by the Egyptian President Abdel Fattah El Sisi.

One of the recent vital milestones that Egypt has achieved is initiating the East Mediterranean Gas Forum (EMGF). The EMGF is helping to boost cooperation among member countries and improve the region's stability.

RECENT EXPLORATION ACTIVITIES

The Ministry of Petroleum and Mineral Resources signed four agreements for oil and natural gas exploration and production (E&P) activities in the Western Desert, Gulf of Suez, and Nile Valley with a minimum investment of around \$155 million, in addition to a signature bonus for drilling 30 wells estimated with \$10.5 million. The first agreement is with the Egyptian General Petroleum Corporation (EGPC) and Eni's IEOC for E&P in the Southeast of Siwa in the Western Desert. Another agreement was also signed by EGPC and IEOC for E&P developments in the West Razak concession in the Western Desert. A third agreement was signed with EGPC and Merlon Elfayum for E&P in North Beni Suef concession. The fourth one was inked by EGPC for E&P in East Ras El Ush concession in the Gulf of Suez.

Additionally, the Egyptian House of Representatives approved 11 new exploration deals, in which seven of them were signed with IOCs. The government submitted a draft law to license HE Tarek El Molla to contract with EGPC and Shell Egypt for oil exploration in the West Fayoum region of the Western Desert. Another draft law authorised the minister to deal with EGPC and Merlon Elfayoum Company for oil exploration in North Beni Suef. The committee also approved two agreements in the Gulf of Suez. The first agreement permitted the minister to

contract with EGPC and Neptune Energy Egypt B.V. for oil exploration in Northwest El Aml. The second one was with Ganoub El Wadi Petroleum Company (Ganope), Pacific Oil Limited, and ZNPV LTD for oil exploration in Ras Elesh area. Another project was approved to contract with EGPC and Eni's IEOC for oil exploration in Southeast Siwa in the Western Desert. The committee authorised the Minister of Petroleum and Mineral Resources to deal with EGPC and Shell Egypt to explore oil in the Abu Sennan area in the Western Desert. Also, the committee permitted El Molla to deal with EGPC and Apache to amend the exploration agreements of West Kalabsha and West Kanayes in the Western Desert.

The minister also contracted with the Egyptian National Petroleum for Exploration and Development Company (ENPEDCO) and EGPC to explore oil in Abu Sennan, and Ras Qattara concessions in the Western Desert.

Continued in page 4 ➔



EGYPT HAS THE KEYS TO THE FUTURE OF GAS IN THE EASTERN MEDITERRANEAN AND SEEKS TO MONETISE ALL THE CURRENT POTENTIALS IN THE REGION.

HIS EXCELLENCY TAREK EL MOLLA
MINISTER OF PETROLEUM AND MINERAL RESOURCES
ARAB REPUBLIC OF EGYPT

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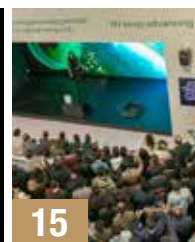
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EGYPS 2020: DELIVERING THE ENERGY NEEDS OF TOMORROW

Regarding bid rounds, the Egyptian Natural Gas Holding Company (EGAS) previously announced its plans to launch an international bid round for natural gas exploration in the Western Mediterranean region in H1 2020. Consequently, EGAS has been working on specifying the areas included in the bid round, in addition to obtaining the needed approvals for that process. This comes under the ministry's strategy to prioritise bid rounds.

PRODUCTION UPDATES

The Egyptian natural gas production reached its peak in September 2019 by producing around 7.2 billion cubic feet per day (bcf/d). It is worth mentioning that EGAS raised its production rate of natural gas to around 6 bcf/d during fiscal year (FY) 2018/19. Additionally, Zohr field's natural gas production capacity reached around 3 bcf/d, according to El Molla's announcement on December 12. During his inspection tour in Zohr field, the minister clarified that the economic and strategic success of the project contributed to the country's natural gas self-sufficiency, reducing the burden of its imports and resuming exports.

For crude oil, Egypt managed to register the highest production rate of crude oil in its history during June, with production reaching around 1.9 million barrels of oil equivalent per day (boe/d). It is important to notice that the average production rate of crude oil and condensates in 2019 reached around 630,000 barrels per day (b/d).

DOWNSTREAM EXPANSIONS

In 2019, the oil and gas sector implemented an expansion strategy for its downstream segment, as well as implementing new projects.

When it comes to transportation and distribution, 50 filling and services stations began operations across the Egyptian governorates. Moreover, three distribution centres for butane cylinders were opened in Kafr El Sheikh, El Sharqiya, and El Behera, bringing the total number of butane cylinders centres to 3,052. Not only that, but the rate of butane production increased by 27,000 ton, reaching a total of 140,000 tons per month, according to EGPC's CEO, Abed Ezz El Regal.

Continued from page 1 <

For natural gas delivery projects, natural gas was delivered to around 305,500 housing units, rounding the total to 10.4 million households. The local consumption of natural gas and petroleum products declined by 5.2%, compared to the same period a year before, recording around 19.6 million tons.

MORE ACHIEVEMENTS TO WITNESS

Keeping in mind the hive of achievements witnessed over 2019, we can expect that more efforts will be exerted and more grand plans will in turn lead to real accomplishments, especially under the Modernisation Project. Moreover, EGYPS 2020 once again will significantly influence the North Africa and the Mediterranean region by being its preeminent energy platform, which will help push the industry forward for more progress and more successes.

WELCOME FROM THE ORGANISER OF THE EGYPT PETROLEUM SHOW

The fourth edition of the Egypt Petroleum Show returns to Cairo Egypt International Exhibition Center (EIEC) from 11 – 13 February 2020.

Held under the patronage of the President of the Arab Republic of Egypt, His Excellency Abdel Fattah El Sisi, and with the support of the Ministry of Petroleum and Mineral Resources, EGYPS 2020 is set to surpass all previous editions, welcoming international, local and regional policy and industry business decision-makers and over 30,000+ oil and gas industry professionals.

On behalf of dmg events, I would like to extend a very warm welcome to all our exhibitors, supporters, sponsors, speakers, delegates and visitors.

EGYPS 2020 sees an expansion across the exhibition floor, where we will be hosting over 450 exhibiting companies including 14 international country pavilions, including India's national pavilion supported by the Confederation Indian Industry (CII), and Italy's national pavilion supported by the Italian Trade Agency (ICE), and Germany's national pavilion, supported by AUMA Association, who are joining EGYPS for the first time. This edition will also see the development of the Youth Engagement Programme Feature,

highlighted by new Zone sponsors activities including ExxonMobil, Petrojet, and Chevron USA; marking the occasion of the very first conducted field trip to ExxonMobil Egypt Lubes Blending Plant in Asher. Students had the opportunity to learn about safety standards ensuring zero incidents, supply chain and inventory management ensuring timely delivery of goods, operations integrity measures and quality assurance measures.

In addition to the exhibition, EGYPS 2020 features 5 dedicated conference tracks - Strategic, Technical, Women In Energy, HSE In Energy and Finance and Investment Summit- hosting over 270 expert speakers and more than 1,600 conference delegates.

The two day Strategic Conference will host global industry leaders and influencers continuing the conversation on producing, securing and delivering the energy needs of the future as industry dynamics shift and new energy hubs emerge.

The three day Technical Conference will host over 144 international technical experts, with 36 sessions across 15 dedicated technical categories, focusing upon opportunities and challenges across the upstream, midstream and downstream sectors.

EGYPS 2020 will also host two Awards programmes, the second edition of the HSE Excellence in Energy Awards and third edition of the Women In Energy Awards. The Awards Ceremonies will celebrate the achievements of the finalists and winners within Egypt, North Africa and the Mediterranean's oil and gas industry.

Finally, the Finance and Investment Summit provides the opportunity to get right up to date with how operators and investors are funding the industry's future to support maximum growth and profits.

The 2020 Egypt Petroleum Show is just over a month away and I would like to take this opportunity to thank you all in advance for attending. We look forward to welcoming you to Egypt, North Africa and the Mediterranean's most important annual oil and gas industry show and providing you with the opportunity to do business.



EGYPS 2020 IS SET TO SURPASS ALL PREVIOUS EDITIONS, WELCOMING INTERNATIONAL, LOCAL AND REGIONAL POLICY AND INDUSTRY BUSINESS DECISION-MAKERS AND OVER 30,000+ OIL AND GAS INDUSTRY PROFESSIONALS.

SALMAN ABOU HAMZEH
VICE PRESIDENT – ENERGY, MIDDLE EAST
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It's not just about energy, it's about improving people's lives.

As Egypt helps meet growing domestic and international energy demand, we're excited for the opportunities ahead for so many – from the thousands of children we support through Springboard schools, to the thousands more we employ directly and through joint ventures, to all Egyptians working together to help Egypt realize its full economic potential and prosperity.



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CEO
Egyptian General Petroleum Corporation (EGPC)
- **Osama El Bakly**
Chairman
Egyptian Natural Gas Holding Company (EGAS)
- **Mohamed Abd El Azeem**
Chairman
Ganope
- **Saad Helal**
Chairman
Egyptian Petrochemicals Holding Company (ECHEM)
- **Osama Mobarez**
Undersecretary for Minister's Technical Office
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- **Sara Salem**
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EGYPS 2020 EXHIBITION & CONFERENCE IN NUMBERS



THE MUST ATTEND EVENT FOR OIL & GAS EXECUTIVES IN EGYPT, NORTH AFRICA & THE MEDITERRANEAN

The Egypt Petroleum Show is North Africa and the Mediterranean's most important oil and gas exhibition and conference held under the patronage of His Excellency Abdel Fattah El Sisi, President of the Arab Republic of Egypt, where oil and gas professionals convene to engage in dialogue, create partnerships, do business and identify solutions and strategies that will shape the industry for future years.

EGYPS 2020 takes place from 11-13 February in Cairo at the Egypt International Exhibition Center with an expanded exhibition space attracting 30,000+ expected attendees from local & international businesses to identify opportunities from Egypt, North Africa and the Mediterranean's future project requirements, strategic priorities and gain insights into the wider oil and gas sector. EGYPS is a key platform in the North African energy calendar bringing together government representatives, key project owners, NOCs, IOCs, International Service and Technology, EPCs, consultants and financiers to address the evolving opportunities in the North African and Mediterranean energy arena.



WHY EGYPT?



Egypt has 6 refinery upgrading projects ongoing with a total investment of \$7 billion over the next 4 years to contribute to boosting the country's refining capacity to 41 million tons/year



Over the last four years until April 2019, 27 gas field development projects have been executed with a total investment of \$21 billion



New phases of four mega-projects in the Mediterranean Sea have been confirmed – Zohr, North Alexandria, Nooros and Atoll – in which total investments will exceed \$27 billion, and maximum production rates will reach 6.5 bcf/day



Egypt is set to launch its largest project to conduct seismic surveys in the country's exclusive economic zone in the Red Sea with investments over \$750 million



Construction projects to increase tankage capacity and build and expand terminals are ongoing with total investments of \$635 million



Egypt announced an average of 69 discoveries in 2018, of which 51 were crude oil discoveries and 18 were natural gas discoveries

TOP 4 REASONS TO VISIT



DO BUSINESS

EGYPS represents a global opportunity for you to connect with over 450 exhibiting companies, 9 National Oil Companies, 13 International Oil Companies and over 15 EPC contractors and service companies to expand your business portfolio.



NETWORK

Meet with existing clients to protect your market share and network with new clients to drive new business growth and opportunities – EGYPS attracts an audience of over 30,000 attendees.



KNOWLEDGE EXCHANGE

Learn from world class industry experts through the 70+ conference sessions, industry panel sessions, ministerial session, global business leaders sessions and from over 270 speakers making EGYPS the largest Oil and Gas conference knowledge platform in the region.



ONE MEETING PLACE

Meet the industry's leading companies under one roof across three days of high-level networking and business opportunities. Three days at EGYPS could equal a year's worth of travelling around the world, meeting with clients and prospects.

EGYPS 2020 VENUE MAP

SHUTTLE BUS DROP-OFF ZONE

- Halls 1, 2, 3 & Al Manara

REGISTRATION AREA

- Halls 1, 2 & 3

PLAZA

- Technical Conference
- HSE in Energy Conference & Awards Ceremony
- Women in Energy Conference & Awards Ceremony
- Conference Coffee Break

PLAZA

- Technical Conference
- Finance & Investment Summit
- Conference Coffee Break

HALL 1

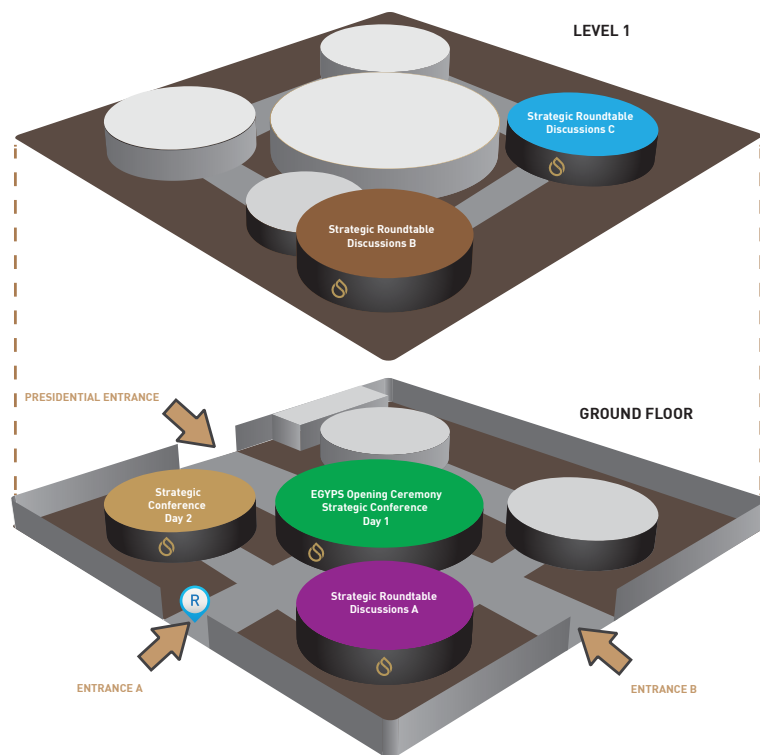
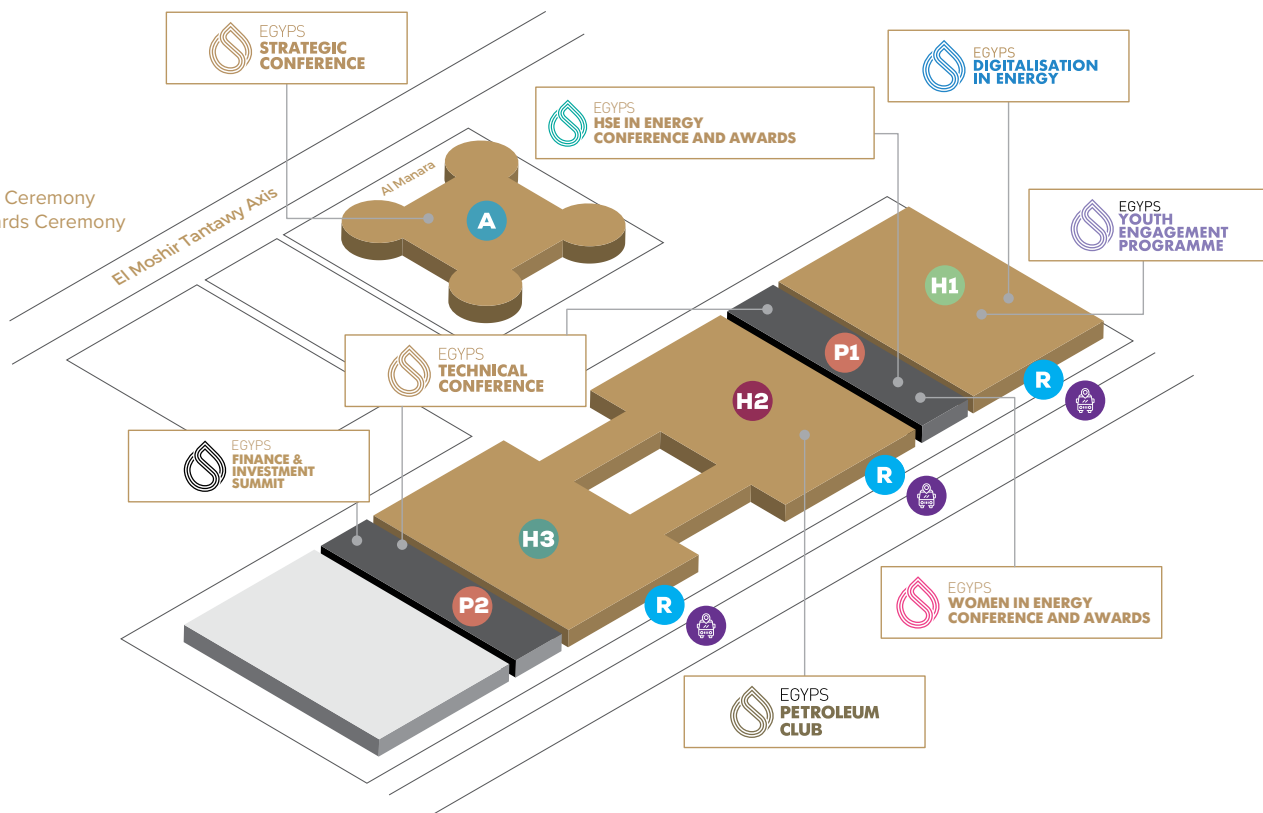
- Digitalisation Zone
- Global Meetings Programme
- Youth Engagement Programme
- Technical E-Posters
- Media Centre

HALL 2

- EGYPS Petroleum Club

HALL 3

- Conference Delegate Lunch
- EGYPS 2021 Sales Stand



AL MANARA

- EGYPS 2020 Openings Ceremony
- Strategic Conference
- Strategic Roundtable Discussions
- Conference Coffee Break



VENUE LOCATION:
Egypt International
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Cairo Governorate

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- Is the only publication circulated in the EGYPS Petroleum Club, the members only lounge, for the industry's business leaders
- Access to the entire EGYPS 2019 pre-registered database, with digital issues sent each morning of the show
- Being the only publication to benefit from a daily stand drop to each exhibition stand



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AN INTERVIEW WITH **HIS EXCELLENCY ENG. TAREK EL MOLLA** MINISTER OF PETROLEUM AND MINERAL RESOURCES WITH EGYPS 2020

What are the most important developments for Egypt's oil and gas industry in the last 12 months?

In 2019, the oil and gas industry witnessed great leaps in its whole value chain from upstream to downstream, along with the services provided to citizens through availing the petroleum products and the national programme to convey natural gas to residential units.

The petroleum sector succeeded in achieving outstanding outcomes, on top of which are; realising unprecedented natural gas production, reaching 7.2 billion cubic feet per day (bcf/d), achieving gas production self-sufficiency, and resuming exports. In addition, crude oil production reached 630,000 barrels per day (bbl/d), contributing to achieve the highest record of petroleum wealth in August 2019, e.g. about 1.9 million-barrel of oil equivalent (boe), condensates and natural gas per day.

The sector also succeeded in reducing the international oil companies (IOC's) accumulative arrears in the past years to reach \$900 million by June 2019, which is considered to be the lowest rate since 2010 and confirms the present credibility and commitment of the Egyptian government, particularly with the expansion in developing natural gas production projects. Last year, investments exceeded \$10 billion, whereas Zohr gas field project reached its optimum production rate and the second phase of West Delta and North Alexandria projects were put on production.

We signed eight oil and gas exploration agreements, with total investments of \$179 million, in addition to 17 new on-going agreements that were approved by the parliament with total investments exceeding \$1 billion. The Egyptian General Petroleum Corporation (EGPC) and the Egyptian Natural Gas Holding Company (EGAS) announced their bid rounds results last February; offering 11 blocks with total signature bonuses of about \$104.5 million and total investments of \$744.5 million, aimed to drill 50 wells. In March 2019, Ganoub El Wadi Petroleum Holding Company (Ganope) also offered an international bid round for oil and gas exploration in 10 blocks at the Red Sea area and the IOC's offers are currently being evaluated.

The Egyptian Refining Company's (ERC) project in Mostorod is considered to be the largest and most recent refining project that contributes to securing part of the local petroleum products. Meanwhile,

delivering natural gas to residential units witnessed an unprecedented boom, represented in the continuous increase which reached 1.25 million residential units annually at a rate of 100,000 units per month, which led to an increase in the total number of housing units that were connected with gas to exceed 10.6 million residential units. The number of vehicles converted to run on natural gas increased in 2019 to exceed 43,000 vehicles, bringing the total number of converted vehicles since the start of its activity in 1996 to 300,000 vehicles.

What new partnerships are underway to develop resources and support the country's growth aspirations?

It is well known that tangible success cannot be achieved apart from successful partnerships that benefit all parties. Our IOC partners operating in Egypt play a significant role that cannot be denied in contributing to the success stories achieved during the past years. We have already held new partnerships recently with major international companies working in Egypt for the first time in the upstream domain, such as American companies, Exxon Mobil and Chevron. Moreover, we have expanded our partnership with Shell International Corporation, as it was awarded five new blocks in 2019 to invest in the upstream field.

The East Mediterranean Gas Forum (EMGF) is also a distinguished partnership at the level of the countries in the region, bringing together Egypt along with six Mediterranean countries with the goal of cooperation in monetising gas discoveries and distinctive infrastructure, for the benefit of the countries and their people.

Egypt also launched strategic partnerships in the domain of energy, with both the US and the European Union, contributing to Egypt's benefit from the support, potentials and expertise of both parties to contribute to transforming Egypt into a regional energy hub.

How has Egypt's energy sector become a more attractive destination for foreign investment?

With regard to foreign investments, we have to consider what our partners say about their investments' success stories in the Egyptian oil and gas sector at conferences in Egypt and abroad. They praise the Egyptian model in the oil and gas industry development and how Egypt created an attractive climate for investment and success, which resulted in achieving distinctive



business outcomes, so that everyone agrees that the current period is the most convenient for directing their investment to the Egyptian oil and gas industry. Moreover, the US has taken into account the reforms and incentive measures, that were taken to achieve balance and benefit the country as well as the investor. In addition, it has provided a unique experience concerning its obligations to pay the previous years' arrears, along with fulfilling its new commitments, as the Egyptian oil and gas industry has witnessed recent positive changes that led the sector to become one of the most significant investment destinations for the major oil companies.

Actually, the indicators are quite clear, as Egypt has awarded 28 new blocks for oil and gas exploration to international companies through six bid rounds over the past five years, and has signed 103 agreements with international companies for oil and gas exploration and development since November 2013, with total minimum investments of about \$17 billion and signature bonuses of \$1.2 billion, aimed to drill 431 wells. In fact, these results are strong indications of the reform plan's success, particularly with the entry of new major companies in the upstream domain in Egypt for the first time, which is an attracting factor for other companies to invest in Egypt. This contributes to increasing the flow of investments, in addition to the fact that the companies currently operating in Egypt are expanding their investments and activities in the upstream domain.

Furthermore, 17 new upstream agreements, approved by the Parliament last year, will still come into effect.

IN 2019, THE OIL AND GAS INDUSTRY WITNESSED GREAT LEAPS IN ITS WHOLE VALUE CHAIN FROM UPSTREAM TO DOWNSTREAM.

Additionally, we shall offer new international bid rounds in 2020 to explore oil and gas in the Western Desert, Gulf of Suez and East Mediterranean and the frontier areas in particular, within the forthcoming period.

Undoubtedly, the demarcation of the maritime borders with Saudi Arabia has allowed Egypt to launch its first international bid for oil and gas exploration in the untapped area of the Red Sea, which represents a promising opportunities for IOCs to pump new investments in that region.

As one of the main axes in our plans, we will work on intensifying our activities in the existing crude oil production areas to offset the natural decrease in production and achieve new discoveries.

How are the plans for establishing Egypt as a regional energy trading hub going? What new infrastructure projects are underway to support the hub strategy?

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

For its part, the Ministry of Petroleum and Mineral Resources embarked on a work programme within the Modernisation Project to develop the sector to work according to specific strategies. The programme includes three major axes, in which the ministry is developing; whether at the internal, the political, or at the technical and commercial levels. These axes include the implementation of new infrastructure projects and achieving the optimal exploitation of the existing infrastructure together with the issuance of legislations that support investment in the oil and gas domain. For instance, a law was issued to regulate gas market activities and establish an independent Gas Regulator, which gives an opportunity for the private entities to enter and compete in the gas industry. Furthermore, Egypt has all the qualification to play this role, in light of its excellent strategic location, having the necessary infrastructure and facilities, e.g. power generating stations, gas liquefaction plants, re-gasification unit, refineries, storage tanks and warehouses, port docks along with oil and gas pipelines networks.

In fact, Egypt has been keen to take active steps to establish a wide board of regional cooperation with gas producing countries in the Eastern Mediterranean region and establish a partnership with the European Union in the field of energy to serve the Egyptian perspective to transform into

a regional energy hub. Egypt has the keys to the future of gas in the Eastern Mediterranean and seeks to monetise all the current potentials in the region. In addition, we take into consideration the region's ambitions to achieve the maximum benefit of the discovered natural gas resources and the future ones. Therefore, we worked on establishing the first forum that gather the gas producing countries in the region, according to a joint Egyptian initiative within the framework of a cooperation mechanism with both Cyprus and Greece during the Crete Summit, that took place last October in which the President Abdel Fattah El Sisi agreed with the leaders of Cyprus and Greece on the idea of establishing the forum. To realise this agreement, Egypt initiated an invitation to the energy ministers of the Eastern Mediterranean countries and representatives of the European Union and the US Energy Minister for two meetings to establish the forum and invest in gas discoveries and infrastructure to benefit the region's countries and its people.

How important is Egypt's burgeoning downstream sector?

The current expansions in the refining and petrochemicals domains represent a new added value to Egypt from its petroleum resources and assets. We have a work programme, currently being implemented in the refining industry to achieve self-sufficiency of fuel by the fiscal year (FY) 2022/2023, through the Egyptian refineries' throughput. The programme includes six new projects, currently being implemented in Alexandria, Suez and Assiut, with investments of about \$7.1 billion, aiming at increasing domestic production of petroleum products with high economic value, such as gasoline, gas oil, and liquefied petroleum gas (LPG), as well as providing petroleum products with the highest quality standards, in accordance with the international standards. It is planned to implement these projects successively; including producing high-octane gasoline project in Assiut, Middle East Oil Refinery (Midor) refinery expansions project in Alexandria, Assiut National Oil Processing Company (ANOPC) complex project for gasoline, gas oil and LPG production in Assiut, which is considered the largest refining project in Upper Egypt, in addition to the Red Sea Refining and Petrochemicals Complex in Suez, as well as the LPG and asphalt production units in Suez. Besides these projects, we have completed this year the largest project in the refining domain, which is the Egyptian refining project in Mostorod, with investments of about \$4.3 billion, applying the latest advanced technologies. It is considered a successful partnership between the government and the private sector. This project is currently operating experimentally, paving the way for regular operation. Moreover, we are planning to establish a huge complex for refining and petrochemicals in the new El Alamein region, with investments of about \$8.5 billion.

In the petrochemicals domain, we are implementing four new projects, with investments of about \$2 billion to add new production capacities to this industry, as well as increasing and diversifying the products provided. We have the project of Formaldehyde production of Suez Company for Methanol Derivatives in Damietta Port, poly butadiene production project in Ethydcu Complex in Alexandria, and Sidi Kerir Petrochemicals Company (Sidpec)'s expansions project in Alexandria for Propylene and Polypropylene production, as well as Medium-Density Fiberboard (MDF) production project.

The Egypt Petroleum Show is going from strength to strength – what are you most looking forward to at the 2020 Show next February?

Since the first edition of EGYPS 2017, it has evolved to reach its planned position among the most important regional and global petroleum events. The previous three editions witnessed a wide international participation of countries, major companies, international energy organisations, as well as fruitful and constructive discussions concerning the changes in the petroleum industry locally, regionally, and globally. That is in addition to presenting the latest technologies applied in the oil and gas industry. I am looking forward that EGYPS 2020, the fourth edition, will enhance its role as an international and regional dialogue platform, gathering a group of experts and executives to discuss oil and gas industry prospects, and how to invest opportunities and face challenges.

Moreover, I hope that it will continue as an Egyptian gate to the world, to be acknowledged of the distinguished results and success stories witnessed by the oil and gas industry in Egypt during the recent period, opening new horizons to attract Arab and foreign investments. The conference, as well, represents a good opportunity to review the measures that Egypt took in order to turn into a regional hub for trading oil and gas. It is scheduled that EGYPS 2020 will witness an increase in the number of participating countries to reach 60 countries, in addition to increasing the number of research papers to more than 800, besides holding 36 technical sessions. Our target is that the conference covers most topics and major challenges facing the industry, and giving great attention to the health, safety, and environment (HSE) culture, preserving the environment and reducing risks in the petroleum sector, as the most important challenge, in addition to addressing distinct experiences in developing the industry, focusing on the digital transformation issues and new technologies that contribute to achieving best benefit from resources, increasing production and cost reduction, and shedding light on the important role of women in the petroleum sector, presenting successful models to set an example for others.

IT IS WELL KNOWN THAT TANGIBLE SUCCESS CANNOT BE ACHIEVED APART FROM SUCCESSFUL PARTNERSHIPS THAT BENEFIT ALL PARTIES. OUR IOC PARTNERS OPERATING IN EGYPT PLAY A SIGNIFICANT ROLE THAT CANNOT BE DENIED IN CONTRIBUTING TO THE SUCCESS STORIES ACHIEVED DURING THE PAST YEARS.

ABOUT THE STRATEGIC CONFERENCE

As globally the oil and gas industry continues its transition, new emerging markets are becoming increasingly important for the security of energy supply and product delivery to market.

Egypt, North Africa and the Mediterranean are witnessing a rising number of new discoveries, which continue to spearhead and in some cases ramp up investment plans to ensure increased production capacity and infrastructure expansion and modernisation, to deliver upon the vision and growth aspiration plans of becoming a regional energy trading hub.

At the same time, the 4th industrial age is delivering to the industry innovative and disruptive technology that is transforming and remodelling how and where the oil and gas industry is operating. Creative and agile digital business initiatives and competent digital savvy workforces are exploiting data driven, state of the art intelligence to rapidly drive and support upstream, midstream and downstream growth.

The EGYPS Strategic Conference brings together industry leaders from regional and international producing, consuming and transit countries to discuss and deliberate the reshaping of markets and the world's future energy mix.



EGYPS STRATEGIC CONFERENCE

TUESDAY 11 - WEDNESDAY 12 FEBRUARY 2020

EARLY CONFIRMED SPEAKERS



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



His Excellency
Dr Mohammed Hamad Al Rumhy
Minister of Oil and Gas
Sultanate of Oman



Musabbeh Al Kaabi
CEO
Petroleum & Petrochemicals
Mubadala Investment
Company



Jean Sentenac
President and CEO
Axens



Lorenzo Simonelli
Chairman and CEO
Baker Hughes



Olivier Le Peuch
CEO
Schlumberger



Amina Benkhadra
Director General
National Office of
Hydrocarbons and Mines
(ONHYM)



Seifi Ghasemi
Chairman, President
and CEO
Air Products



Ibrahim Al-Buainain
CEO
Aramco Trading



Toulou Onoufriou
President
Cyprus Hydrocarbons
Company (CHC)



Zhu Junfeng
CEO
Kuwait Energy Company



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

PROGRAMME SUMMARY

STRATEGIC SESSIONS

DAY 1: TUESDAY 11 FEBRUARY

14:00 - 14:55

Ministerial session
Balancing supply and demand with
geopolitical uncertainties, global
trading agreements and policy
objectives

14:55 - 15:50

Global business leaders session
The importance of forward looking
partnerships to deliver growth
aspirations

15:50 - 16:20

Keynote address
Reshaping energy markets: The
global discussion

16:20 - 17:15

Global business leaders session
Transitioning to a lower carbon
economy a threat or an opportunity
for Egypt, North Africa and the
Mediterranean?

17:15 - 18:00

Strategic Roundtable Discussions

STRATEGIC SESSIONS

DAY 2: WEDNESDAY 12 FEBRUARY

10:00 - 10:30

Keynote address
Responding to energy transition and the
world's future energy mix

10:30 - 11:20

Global business leaders session
Transforming the east Mediterranean
gas and LNG market

11:20 - 12:10

Global business leaders session
Oil and gas innovation and
technology in the 4th industrial age

13:20 - 14:10

Global business leaders session
Delivering value across the downstream
landscape

14:10 - 15:00

Global business leaders session
Driving an attractive oil and gas
investment climate in Egypt, North
Africa and the Mediterranean

15:00 - 15:30

Closing keynote address
The outlook for Egypt's future as the
Mediterranean's regional energy
trading hub

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ABOUT THE TECHNICAL CONFERENCE

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

The conference programme features 144 experts speaking at 36 sessions, as well as two full days of e-poster presentations, and covers the latest research findings, industry trends and challenges, new project developments, state of the art technologies, as well as industry best practices. The topics range from exploration, field development and drilling to project management, operational excellence and HSE, not forgetting refining and petrochemical developments, biofuels, gas processing and digitalisation.



EGYPS TECHNICAL CONFERENCE

TUESDAY 11 - THURSDAY 13 FEBRUARY 2020



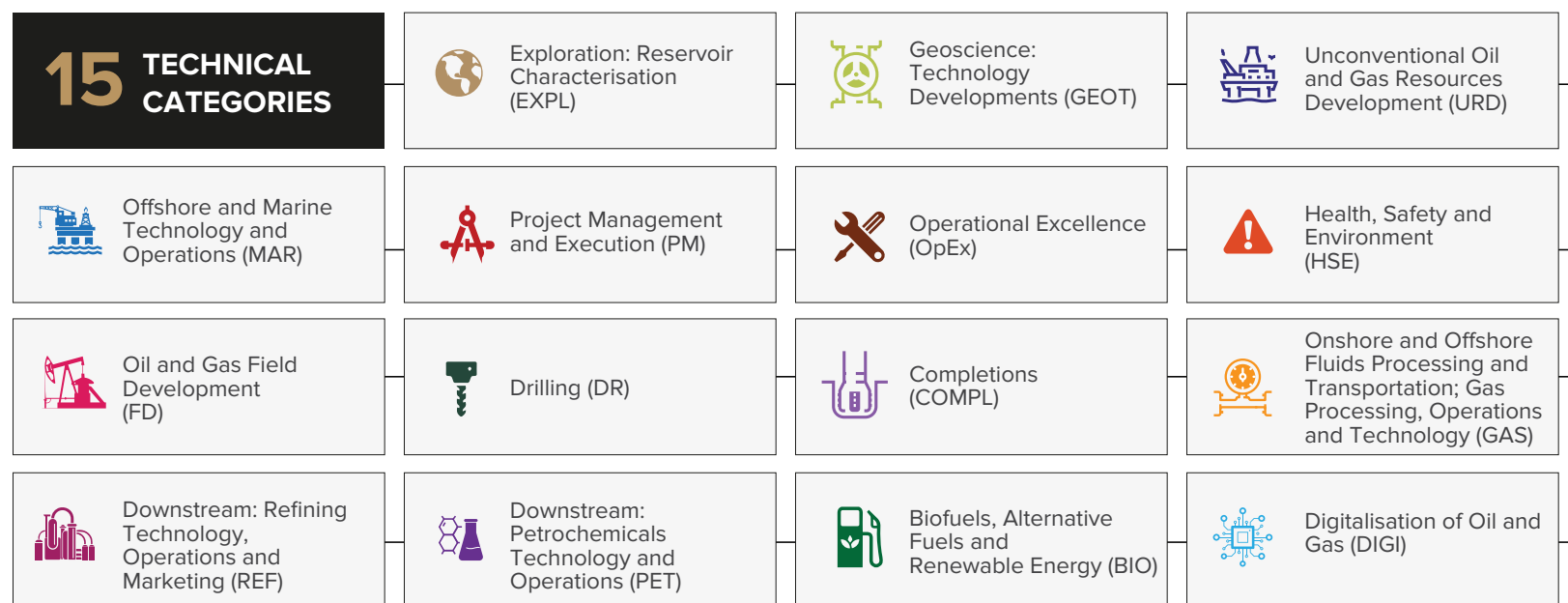
EGYPS 2020 TECHNICAL COMMITTEE CHAIRMAN
Eng. Mohammed Abd El-Azeim
Chairman
South Valley Egyptian Petroleum Holding Company
(GANOPE)



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



EGYPS 2020 TECHNICAL CONFERENCE IN NUMBERS



ABOUT THE FINANCE & INVESTMENT SUMMIT

Egypt has grown significantly as one of the major players in the Mediterranean and North African oil & gas market. The discovery of Zohr complemented by the government's initiatives to enhance the ease of doing business has remarkably catalysed the inflow of foreign oil and gas investments.

The cyclical oil price has had a number of impacts on oil & gas businesses globally and with growing geopolitical pressures, oil & gas majors are determined to explore and invest in new and emerging markets.

Markets where innovative financing mechanisms and the power of new digital technologies are enabling joint venture cost reductions, increased productivity and growth opportunities. Similarly, today's modern CFO is focused on increasing investor profits and returns with IPOs, private equity deals and public bonds.

The EGYPS Finance & Investment Summit brings together key oil and gas influencers and decision-makers to address the changing structure and nature of the industry's financial landscape.



EGYPS
FINANCE &
INVESTMENT
SUMMIT

THURSDAY 13 FEBRUARY 2020

EARLY CONFIRMED SPEAKERS:



Régis Monfront
Deputy CEO
Crédit Agricole Corporate
and Investment Bank



Ahmad Ali Bin Obood
Chief Financial Officer
Dragon Oil



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



Anne-Sophie Corbeau
Head of Gas Analysis
BP



Panos Benos
Chief Financial Officer
Energear



Steve Lutes
Vice President
Middle East Affairs
US Chamber of
Commerce



Eric Swanson
Vice President
Corporate Development
Halliburton



Karim Badawi
Vice President
& Managing Director
Egypt & Mediterranean
Schlumberger



William Pegues
Director - Structured
Finance & Insurance
U.S. International
Development Finance
Corporation (DFC)



Tameer Nasser
Chief Financial Officer
North Africa
Baker Hughes



Helmy Ghazi
Managing Director
Head of Global
Banking - Egypt
HSBC



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



Jasmine Wahhab
Commercial Counsellor
and Senior Trade
Commissioner
Global Affairs Canada



Luis Orgaz Garcia
Economic and
Commercial Counsellor
of Spain
Embassy of Spain in
Egypt



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

PROGRAMME SUMMARY

10:00 - 10:15

Opening keynote

Accelerating investments to fuel
national growth - the Egyptian story

10:15 - 11:00

Panel

The big picture - insights into global
oil & gas investment and financing

11:00 - 11:15

Keynote

Overcoming uncertainty – a
roadmap to efficient energy
investments

11:15 - 12:00

Panel

The evolving dynamics of oil & gas
pricing and its influence on hydrocarbon
Investment decisions

13:00 - 14:00

Panel

The importance of government
partnerships to drive foreign
investments in the Oil & gas industry

14:00 - 15:00

Panel

Striking the balance between profits
and production growth – a CFO's
outlook

15:00 - 16:00

Interactive Roundtable
Discussions

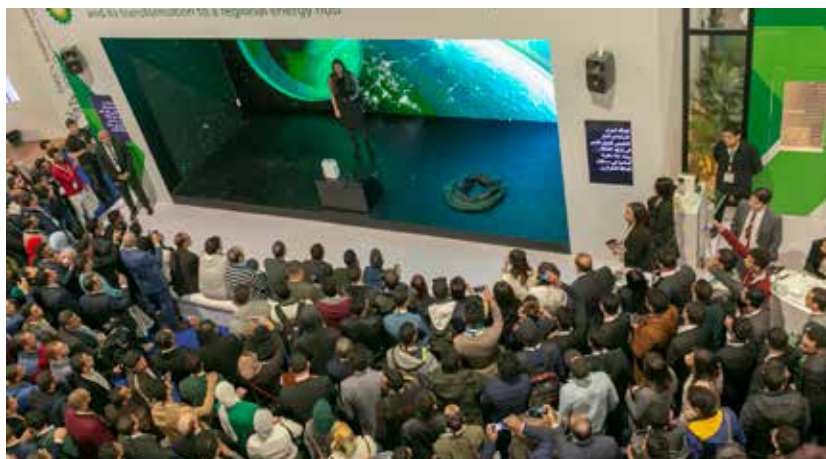
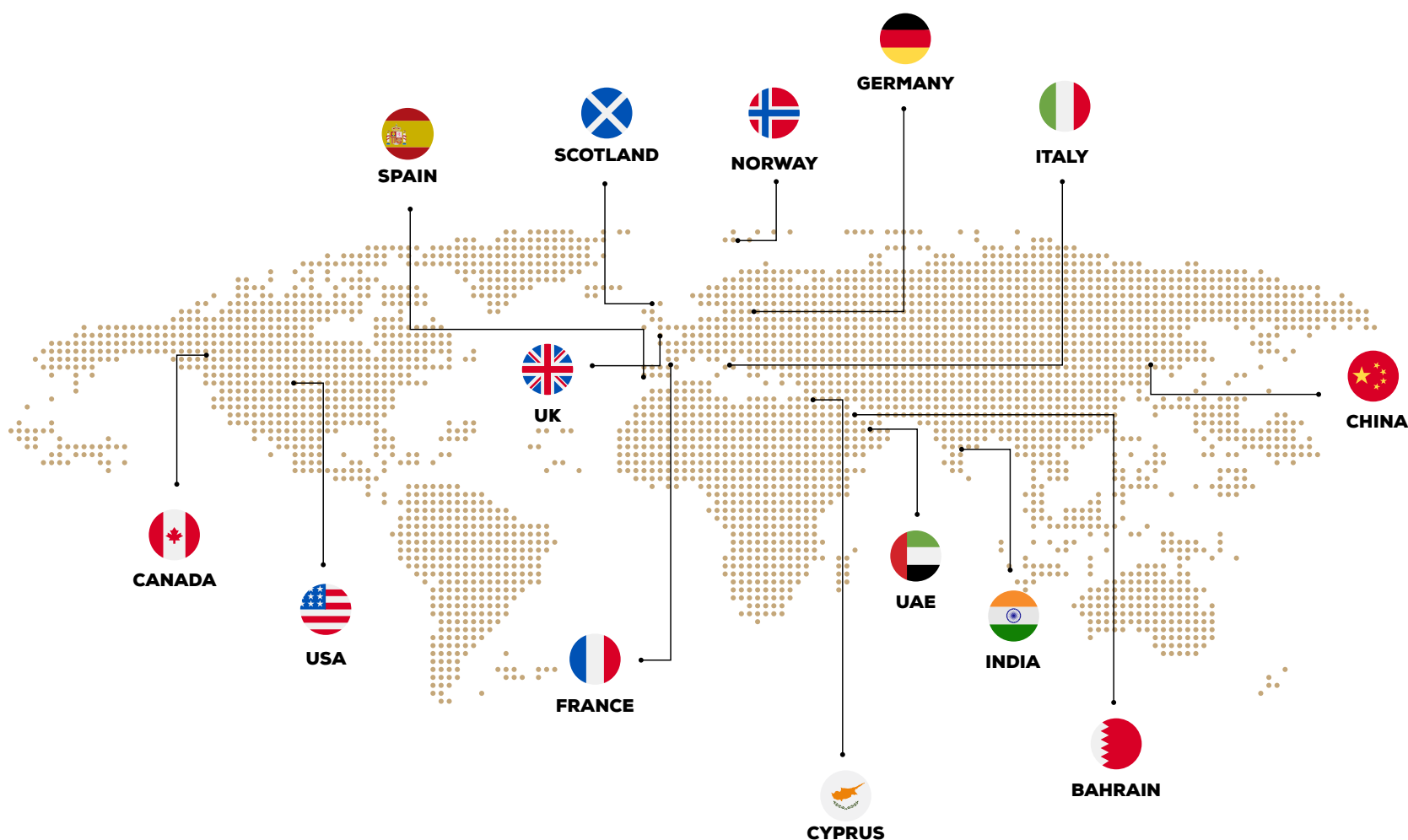
WHY SHOULD YOU ATTEND?

- **Discover** and learn about current and upcoming ambitious initiatives within the finance and investment domain driving the Mediterranean and North African oil and gas industry
- **Network** and exchange ideas with your peers from IOCs, NOCs, government entities, service providers, banks, and venture capitalists who are driving change in global oil and gas investor and project financing
- **Influence** key business decisions within your organisation with informed financial decision making that will foster change to increase business profitability

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INTERNATIONAL PARTICIPATION REPRESENTED BY 14 COUNTRY PAVILIONS



DISCOVERING KUWAIT ENERGY'S ENDEAVOUR TO OPTIMISE BROWNFIELDS: AN INTERVIEW WITH **KAMEL AL-SAWI**, PRESIDENT OF KUWAIT ENERGY, EGYPT

DIAMOND SPONSOR



In 2018, The Company's Then Interim CEO Met With The Minister Of Petroleum And Mineral Resources, Tarek El Molla, And Discussed Expansion Plans In Egypt. What Has Been The Major Developments Across Your Portfolio In Egypt Since This Meeting? In Your Opinion, How Will Becoming Part Of United Energy Group Boost Kuwait Energy's Presence In Egypt?

As has been declared earlier this year, the total share capital of parent company KEC plc had been acquired by a major Chinese company, United Energy Group (UEG), which is publicly listed the company in Hong Kong's stock exchange market. UEG acquired major BP's upstream asset in Pakistan, for a total consideration of approximately \$750 million, and it is considered as the biggest foreign investor in the Pakistani oil sector. They almost invested \$2 billion and succeeded to boost the production drastically from 17,000 barrels of oil equivalent per day (boe/d) to 98,000 boe/d. Being backed up by a strong investor like UEG, this gives us a great confidence to achieve our expansion targets in Egypt. This was even clear by the outstanding increase in our development and exploration activities post the completion of the acquisition and the increase in production from all of our assets. UEG is thinking very highly about the booming Egyptian oil and gas sector, especially after the reformation that the sector witnessed under the direction and guidance of H.E. Eng. Tarek El Molla, Minister of Petroleum and Mineral Resources, and the economic stability that Egypt is witnessing under the wise and strong leadership of our President, Abdel Fattah El Sisi, that reproduced a very competitive investment environment.

WE ARE FOCUSING ON UNLOCKING THE POTENTIAL OF OUR EXISTING ASSETS AND MAXIMISING THEIR VALUE THROUGH INCREASING RESERVES AND PRODUCTION AND OPTIMISING EXPENDITURES.

Can You Please Talk Us Through The Company's Latest Brownfield Activities In Egypt?

I think Kuwait Energy company has presented a model of managing the brownfields. We continue to deliver value out of our operated field "Area(A)" in cooperation with General Petroleum Company (GPC), where we succeeded to boost the production of the field to around 9,000 barrels of oil per day (b/d) at a time, and now it is stabilised around 8,500 b/d. We had two discoveries, South Kheir and West Al-Khalig, during 2018 and one recent discovery during November 2019, which raised the total discoveries from the field since inception to six. This is considered a major success in a brownfield producing since 1958. Also, we continue our development activities by drilling more development wells to increase production, and we have commenced two water injection projects that proved successful results despite the doubts at the beginning of the execution.

When It Comes To Brownfields, What Do You Think Are The Best Ways To Maximise Production While Minimising Operating Expenses?

I think the best way to increase production and optimise expenses is to adopt a model that forestalls the decline in production while optimising capital expenditure (CAPEX) and operating expenses (OPEX) by enabling new technologies, thorough the analysis of the old data in light of the recent advancement in reservoir characterisations and seismic interpretations, and finally, to keep in mind that every barrel counts in the brownfields.

How Can Pre-Existing Infrastructure Help In Optimising Brownfield Efficiency? And What Do You Think Of The Infrastructure In Egypt?

For sure the pre-existing infrastructure helps in optimising brownfield efficiency as it is reflecting directly to better economics of the projects as it represents a major cost element of any development plan for the brownfields. I think Egypt is blessed by very good infrastructure whether in the Eastern Desert, the Western Desert, the Nile Delta or the Mediterranean. This even secured a leading position for Egypt in the region to be a regional energy hub.

Besides Infrastructure, How Can Brownfields Leverage The Egyptian Petroleum Sector From The Financial And Technical Perspectives?

As I indicated above, the analysis of the available old data of the brownfields in the light of the new techniques can reveal a big potential out of these assets. Our operated field is a tangible example of this, where we succeeded to boost the production from this field from 1,200 b/d at inception to approximately 8,500 b/d, and produced approximately 26 million barrels in almost ten years and had six discoveries so far. This gives you an indication of the role that the brownfields can play to leverage the Egyptian petroleum sector from the financial and technical perspectives.

Kuwait Energy Was Awarded In EGYPS 2019 For Its Development Works Of Mature Fields, In The Framework Of Applying HSE Rules. Why Do You Think Health, Safety, And Environment (Hse) Is Especially Important Within Brownfields?

HSE should be a top priority whether in the brown or new fields, but it is more important in the brownfields because you are most likely faced by a bunch of issues related to facilities and flow lines integrity, produced water management, access roads to the field and to the wells, standard firefighting facilities, etc. All these concerns should be in the heart of our priorities while our efforts to unlock the remaining potential of the brownfields. Sometimes the efforts of the companies to adapt high HSE standards are hindered by the cost of the related projects. At Kuwait energy, we have proved that small actions at low cost can lead you to the required standard and in the meantime reflect better economics for the fields.

Can You Please Share With Us Kuwait Energy's Newest Models For Tapping Into A Field's Reservoirs?

As the efficiency in production and enhancing recovery becomes an increasingly important issue in the oil field, we are adapting models based on our realisation that in data, we own a major source of important facts and information. Integration of data from multiple



sources, such as drilling, formation evaluation, well testing, reservoir engineering, reservoir modeling, wellbore modeling, artificial lift, surface facilities, etc., can result in cohesive workflows to minimise NPT in drilling, enhance completion design, build data-driven reservoir models, and, in short, change the way analysis, modeling, and optimisation is performed in the upstream oil and gas industry.

What Do You Think Are The Best Fiscal Terms That Could Attract Investments To Brownfields?

There are no specific fiscal terms that can apply to all the brownfields. We should have a flexibility and transparency to set up the model that can suit each field on the basis of a win-win situation. Also, the most important thing is to be dynamic and ready to adapt when needed for the benefit of all parties.

What Are Other Ways To Increase Brownfield Investments In The Egyptian Petroleum Sector?

I think there should be a database for all the brownfields in Egypt with the challenges that are facing each with certain economic cut-offs for the government, and it is very necessary to give the investors the chance to present new techniques and business models to overcome these challenges and unlock the potential of these brownfields.

Kuwait Energy Recently Signed An Agreement With The Ministry Of Petroleum And Mineral Resources To Train Young Oil And Gas Professionals. What Are The Latest Practices The Company Can Offer The New Generation?

We are really happy being part of this Modernisation Project and it gives us more confidence in the oil sector. We are great believers that "it is all about people." An effective people development strategy is key for success and being able to react to changing business conditions and be more competitive. We are giving them the chance to live our business model, which focuses more on people, and offered them training opportunities through our designed programme "4 Tiers Emerging Leaders Programme" to help them to be the future leaders.

What Are The Company's Future Plans?

As I indicated earlier, we are focusing on unlocking the potential of our existing assets and maximising their value through increasing reserves and production and optimising expenditures. Also, we are fine-tuned to expand in Egypt through new bid rounds or merger and acquisition activities.



OUR OPERATIONS



EGYPT



YEMEN



IRAQ

OPERATIONS KEY STATISTICS

7

EXPLORATION, DEVELOPMENT
& PRODUCTION ASSETS

766

MMBOE 2P WI RESERVES
YE 2018

1,203

MMBOE 2C WI RESOURCES KBOEPD Average Production YEAR OF ESTABLISHMENT
YE 2018 2018

28

2005

www.kuwaitenergy.co

ABOUT THE HSE IN ENERGY CONFERENCE

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



WEDNESDAY 12 FEBRUARY 2020

Lead Sponsor

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EARLY CONFIRMED SPEAKERS



Wolfgang Faist
Senior Vice President HSEQ
Wintershall Dea GmbH



Iman Hill
COO
Energean



Mohamed Kermoud
Global Vice President HSE
Schlumberger



Lucien Bianchi
Global Director of HSE
and Service Quality
Halliburton



Andreas Charalampides
Lieutenant-Commander NAVY
Cyprus Joint Rescue Coordination
Center



Ehab Ali
Chairman Assistant for HSE
Khaldia Petroleum



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



John Fotopoulos
Refinery HSE Director
Hellenic Petroleum Group



Sergey Peresyphkin
Director of HSE
MENAT & India
Baker Hughes



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

PROGRAMME SUMMARY

09:00 – 10:30

Coffee and speed networking

10:30 – 10:45

Ministerial keynote

Adhering to high HSE standards – where is the oil and gas sector headed and are we doing enough?

10:45 – 11:45

Panel

The importance of raising personnel awareness within your organisation

12:00 – 13:00

Rapid fire session

Tackling HSE challenges

14:00 – 15:00

Panel

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

15:00 – 16:00

Panel

Driving sustainable environmental performance within the oil and gas sector

16:00 – 17:30

**HSE Excellence in Energy
Awards Ceremony**

WHY SHOULD YOU ATTEND?

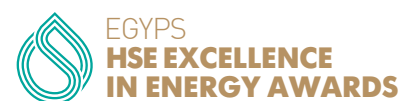
- **Discuss** and exchange ideas with senior regional and international HSE experts and oil and gas business leaders
- **Find** new ways to adhere to high HSE standards that will help minimise risks and ensure cost savings
- **Hear** about methods and techniques to raise employees' awareness and practical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

**ATTEND THE HSE AWARDS CEREMONY
AND CELEBRATE WITH THE WINNERS**



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HSE EXCELLENCE IN ENERGY AWARDS SHORTLISTED FINALISTS



BEST HEALTH AND SAFETY PROJECT OF THE YEAR

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Zero Hand Injuries

Ahmed Tawfik
Maintenance Engineer



EDC Ramadan Road Safety Campaign

Ahmed Farag
QM-HSE Manager



Modernisation of Driving Safety in Egypt Through Technology

Tamer El-Houry
HSE Specialist



Care Delivers World-class HSE Performance

Gihan Badie
Country Health Manager



BEST ENVIRONMENTAL PROJECT OF THE YEAR

SPONSORED BY



EBGD Co - GPC Gas Sweetening and Compression Terminal

Hamed Sawan
QHSE Department Head



Using Associated Flared Gas in Power Generation and NGL Extraction

Islam Kharboush
HSE General Manager



GUPCO Loss of Primary Containment LOPC Management Project - Success Story

Radwa Taman
Senior PhD Chemical Engineer



Zohr Sulphur Production Project

Eiman Hamdy
Environment and Sustainability Leader



HSE LEADER OF THE YEAR

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Hesham El-Hamammy
Corporate Safety Manager
Petroleum Air Services



Mohamed Abdelgalil
Deputy HSE General Manager
Rashid Petroleum Company (Rashpetco)



Mohamed Khalaf
Corporate HSE Leader
Giza Systems



Tamer Mohamed Aieysh
HSE General Manager
Rashid Petroleum Company (Rashpetco)

2020 REGIONAL SELECT JURY



Gamal Fathy
CEO Assistant for HSE
EGPC



Khaled Faheer
HSE Country Manager
Baker Hughes



Mohammed Bahatem
Vice President, HSSE & AI
Mubadala Petroleum



Wael Amin
Head of HSE
Kuwait Energy Company



Gaetano Antinolfi
HSE Operations Manager
Eni



Adham Gomaa
Programmes Engineer
Europe, Africa, Middle East
ExxonMobil



Hatem Bashandy
HSEQ Area Manager
Halliburton



Alex Roberts
EEM HSE Manager
Schlumberger



Blake Jared
Deputy Chairman
Apache



Moataz Darwish
Deputy Chairman
Shell



Ali Hegab
Independent Oil and Gas
Consultant



Khaled Nabil Ahmed
Regional Operations
Health and Safety Team Leader
BP

ABOUT THE WOMEN IN ENERGY CONFERENCE

In collaboration with the Egyptian Ministry of Petroleum & Mineral Resources, the 2020 EGYPS Women in Energy Conference brings together industry stakeholders from Egypt, North Africa and the Mediterranean hydrocarbons sector to address challenges the industry faces in achieving gender parity and inclusion, and to propel and create a long term forecast, strategy, and action plan to foster a sustainable, equitable, and inclusive industry of the future.



THURSDAY 13 FEBRUARY 2020

Lead Sponsor



EARLY CONFIRMED SPEAKERS



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



**Her Excellency
Dr Maya Morsy**
President
National Council for
Women in Egypt (NCWE)



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



Gielan El Messiri
Country Representative
& Head of Office
UN Women



Dr Alka Mittal
Director (HR)
Oil & Natural Gas Corporation
(ONGC)



Fabrice Bouchaud
Global HR Director
Workforce Planning and
Talent Development
Schlumberger



Liana Gouta
Group Director
Energy Policy &
International Relations
Hellenic Petroleum



Melissa Jones
Marketing & Business
Development Operations
Manager
Bechtel



Manal Messiha
Vice President
Customer Satisfaction &
Quality
Schneider Electric



Nana Sarajishvili
Head of Pricing - EMEA
Chevron



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



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



Rim Henri
Wire & Perforation
Field Professional
Halliburton



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



Farida El Harouni
Student
American University
in Cairo



Heba Aboelnasr
Automotive Lubricants
Sales Advisor
ExxonMobil



Amira Mohamed
Student
American University
in Cairo

PROGRAMME SUMMARY

09:00 - 09:15

Keynote Address

Role of diversity in advancing
industries and global
economies

09:15 - 09:50

Gender Champions Panel

The Importance of Gender Equality for
Economic Empowerment

09:50 - 10:30

Panel

The Great Crew Change - what it is
and how does it impact inclusion
and diversity initiatives?

10:30 - 11:15

Interactive Roundtable
Discussions

11:30 - 12:15

Panel and Live Q&A

The roadmap to achieving
gender diversity across all levels
of the oil & gas industry

12:15 - 12:45

Panel

Young women in Energy –
Nurturing leaders of tomorrow

12:45 - 13:30

Closing Panel

Advancing women in Egypt: where
are we in this journey and how much
further do we need to go?

15:00 - 16:45

Women in Energy
Awards Ceremony

WHY SHOULD YOU ATTEND?

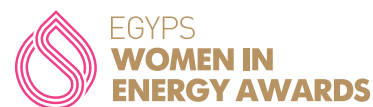
- **Meet** coaches and mentors for insightful and practical solutions to your workplace challenges
- **Learn** about fostering belonging through inclusion & diversity initiatives in your organisation and industry
- **Network** with your peers from across the globe and exchange ideas that you can implement on a day-to-day basis

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WOMEN IN ENERGY AWARDS SHORTLISTED FINALISTS



WOMEN IN LEADERSHIP

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Enppi



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



Ghada Mohamed
Project Manager
Schlumberger



Nehal Khalil
Media General Manager
PETROJET



Toulou Onoufriou
President
Cyprus Hydrocarbons Company



NEX-GEN FEMALE OF THE YEAR

SPONSORED BY

Apache
EXPLORING WHAT'S POSSIBLE



Dena Hegab
Drilling Engineer
BP



Heba Aboelnasr
Sales Advisor
ExxonMobil



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



Rim Magdi
Wireline Evaluation and
Perforations Field Professional
Halliburton



STEM STAR OF THE YEAR

SPONSORED BY

Baker Hughes



Amira Mohamed
Student
**American University
in Cairo**



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



Farida Elharouni
Student
**American University
in Cairo**



Ranim Hisham
Petroleum Engineering Student
Cairo University



EMPLOYER OF THE YEAR CHAMPIONING INCLUSION & DIVERSITY

HALLIBURTON

**Kuwait Energy
Egypt**

Schlumberger



2020 REGIONAL SELECT JURY

REGIONAL SELECT JURY CHAIRS



Eng Amira El Mazni
Independent Oil & Gas
Consultant



Eng Hussein Fouad El Ghazzaway
Independent Oil & Gas
Consultant



Kamel Al Sawi
President
Kuwait Energy



Colby Fuser
Vice President Egypt & Libya
Halliburton



Hussam Abu Seif
Country Chairman
Baker Hughes



Salma Al Hajeri
Director Reservoir Engineering,
Asset Manager - Egypt
Mubadala Petroleum



Sally Hussein
Egypt HR Manager
ExxonMobil Egypt



Asmaa Nabil
Compliance Leader
Eni



Brian Hradecky
Engineer Reservoir Manager -
Egypt KPC JV
Apache



Nadia El-Batal
C&CM/ER Manager North Africa
Region
BP










Layla El Hares
General Manager Developments East
Mediterranean, and Asset Manager
- Egypt
Shell



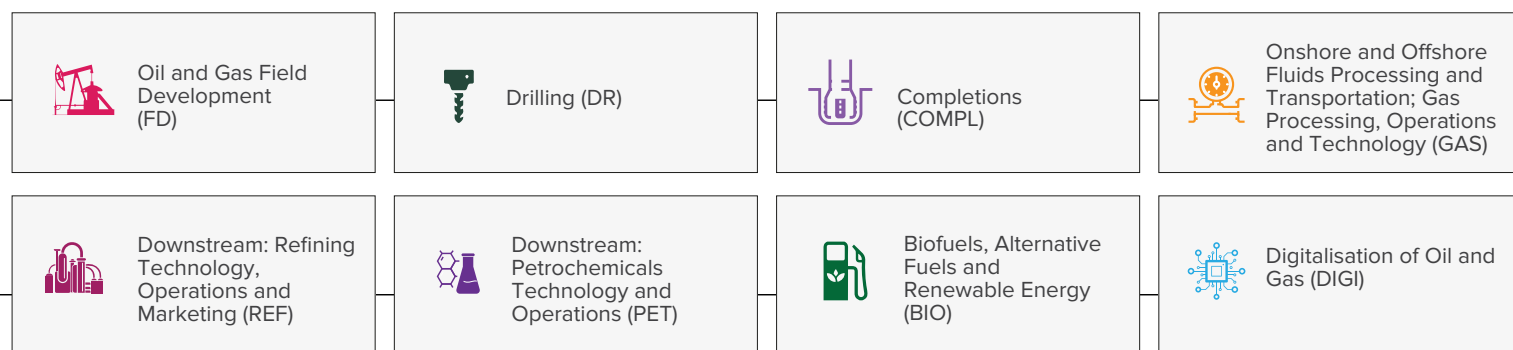
Ijeoma Isikaku
HR Services Manager
Egypt and East Mediterranean
Schlumberger

SCHEDULE OF

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

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

CONFERENCES



STRATEGIC SESSIONS

TUESDAY 11 FEBRUARY	14:00 - 14:55 Ministerial session Balancing supply and demand with geopolitical uncertainties, global trading agreements and policy objectives	14:55 - 15:50 Global business leaders session The importance of forward looking partnerships to deliver growth aspirations	15:50 - 16:20 Keynote address Reshaping energy markets: The global discussion	16:20 - 17:15 Global business leaders session Transitioning to a lower carbon economy a threat or an opportunity for Egypt, North Africa and the Mediterranean?	17:15 - 18:00 Strategic Roundtable Discussions
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STRATEGIC SESSIONS

WEDNESDAY 12 FEBRUARY	10:00 - 10:30 Keynote address Responding to energy transition and the world's future energy mix	10:30 - 11:20 Global business leaders session Transforming the east Mediterranean gas and LNG market	11:20 - 12:10 Global business leaders session Oil and gas innovation and technology in the 4th industrial age	13:20 - 14:10 Global business leaders session Delivering value across the downstream landscape	14:10 - 15:00 Global business leaders session Driving an attractive oil and gas investment climate in Egypt, North Africa and the Mediterranean	15:00 - 15:30 Closing keynote address The outlook for Egypt's future as the Mediterranean's regional energy trading hub
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HSE IN ENERGY SESSIONS

WEDNESDAY 12 FEBRUARY	09:00 - 10:30 Coffee and speed networking	10:30 - 10:45 Ministerial keynote Adhering to high HSE standards – where is the oil and gas sector headed and are we doing enough?	10:45 - 11:45 Panel The importance of raising personnel awareness within your organisation	12:00 - 13:00 Rapid fire session Tackling HSE challenges	14:00 - 15:00 Panel The role of leadership when pursuing high HSE standards – sharing experiences and lessons learnt	15:00 - 16:00 Panel Driving sustainable environmental performance within the oil and gas sector
	16:00 - 17:30 HSE Excellence in Energy Awards Ceremony					

FINANCE & INVESTMENT SESSIONS

THURSDAY 13 FEBRUARY	10:00 - 10:15 Opening keynote Accelerating investments to fuel national growth - the Egyptian story	10:15 - 11:00 Panel The big picture - insights into global oil & gas investment and financing	11:00 - 11:15 Keynote Overcoming uncertainty – a roadmap to efficient energy investments	11:15 - 12:00 Panel The evolving dynamics of oil & gas pricing and its influence on hydrocarbon investment decisions	13:00 - 14:00 Panel The importance of government partnerships to drive foreign investments in the oil & gas industry	14:00 - 15:00 Panel Striking the balance between profits and production growth – a CFO's outlook	15:00 - 16:00 Interactive Roundtable Discussions
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WOMEN IN ENERGY SESSIONS

THURSDAY 13 FEBRUARY	09:00 - 09:15 Keynote address Role of diversity in advancing industries and global economies	09:15 - 09:50 Gender Champions Panel The Importance of Gender Equality for Economic Empowerment	09:50 - 10:30 Panel The Great Crew Change - what it is and how does it impact inclusion and diversity initiatives?	10:30 - 11:15 Interactive Roundtable Discussions	11:30 - 12:15 Panel and Live Q&A The roadmap to achieving gender diversity across all levels of the oil & gas industry	12:15 - 12:45 Panel Young women in Energy – Nurturing leaders of tomorrow	12:45 – 13:30 Closing Panel Advancing women in Egypt: where are we in this journey and how much further do we need to go?
	15:00 – 16:45 Women in Energy Awards Ceremony						

C-SUITE NETWORKING OPPORTUNITIES

The EGYPS Petroleum Club is an exclusive membership for oil & gas executives. The Club provides a private environment for industry leaders to network, strengthen existing connections and forge new relationships.

Onsite at EGYPS, the Petroleum Club offers members comfortable facilities in a tranquil setting to encourage networking in a relaxed environment. Membership is free of charge, however members must complete the application form and be formally accepted before membership is permitted.



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BENEFITS OF MEMBERSHIP

- Fast-track entry into the Egypt Petroleum Show with your Petroleum Club badge
- Access to a private environment off the busy exhibition floor to conduct face to face business
- An environment to facilitate opportunities for networking with industry peers
- Media-free zone to ensure privacy
- Complimentary refreshments available for all members
- Access to the exclusive Petroleum Club at any time during EGYPS



**EGYPS
GLOBAL
MEETINGS
PROGRAMME**



WHAT IS THE GLOBAL MEETINGS PROGRAMME AND HOW CAN YOU BENEFIT AS A CONFERENCE DELEGATE?

- All conference delegates have access to the official online networking platform to arrange unlimited business meetings with delegates, exhibitors and visitors prior to your arrival at EGYPS 2020
- Dedicated and purpose built meeting area on the exhibition floor to hold your meetings with full support from the onsite meetings concierge service
- Receive full contact details of your meeting partners prior to the show
- Search by company type, company interest, job title or geography in order to connect and meet your target profile
- Ability to accept and reject meetings dependent on your own agenda during EGYPS 2020
- Email and SMS notification reminders to ensure your meetings take place on the right day at the right time

WHO WILL YOU NETWORK WITH AT EGYPS 2020?

- More than 30,000 trade professionals visit EGYPS to do business with 450 exhibiting companies
- 1,600+ conference delegates are expected to attend 66 strategic and technical oil and gas sessions presented by 230+ speakers
- Attendees from major NOCs, IOCs, EPCs, Service and Technology Providers, Consultants, Manufacturers & Distributors



CONNECTING INDUSTRY EXPERTISE AND DATA

DNV GL is combining leading subject matter expertise with data analytics, information management and software to bring our 150-year heritage as an independent technical advisor into the digital age.

We are bringing the oil and gas industry together to share richer, more reliable datasets across projects and operations, and to apply meaningful analytics that significantly enhance safety, efficiency and sustainability.

In partnership with our customers, we're unlocking the value of data to predict tomorrow's technical challenges and enable real time, smarter decision-making at every stage of the value chain.

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

© DNV GL



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

Stop by for a copy of the full program or check it here dnvgl.com/EGYPS

Contact us: Cairo Business Plaza building, 424 - Sector 3, North 90th Street,
11835 New Cairo. Phone: +202 23066063. Email: cairo.oilandgas@dnvgl.com

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SAFER, SMARTER, GREENER

DNV·GL

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



TUESDAY 11 - THURSDAY 13 FEBRUARY 2020

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Zone Sponsors



FEATURES



Industry Field Trips
New for 2020

25 students from OASIS Internationale high school joined YEP for a field trip to ExxonMobil Egypt Lubes Blending Plant in Asher. Students had the opportunity to learn about safety standards ensuring zero incidents, supply chain and inventory management ensuring timely delivery of goods, operations integrity measures and quality assurance measures.



Treasure Hunt
(Exhibition tour)



Experiential and Edutainment Zones

OBJECTIVES

01

Provide a focused learning platform at the region's leading Oil and Gas Show, where high school students can gain further insights into the framework of STEM education including Science, Technology, Engineering and Mathematics

02

Create a connection and put into context; the oil and gas industry and everyday life

03

Introduce students to future oil and gas career and employment opportunities

04

A platform for today's energy leaders to connect and engage with the next generation workforce

05

Light the spark of student interest and get them thinking about their education, future career and industry choices

EXPERIENTIAL AND EDUTAINMENT ZONES

The Experiential and Edutainment zones will provide a learning experience for all students during the exhibition. Comprising of 5 educational zones, designed to stimulate students engagement with sensory experiences of sight and hands on workshops.



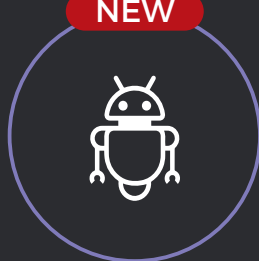
ENGINEERING
ZONE

NEW



ELECTRICAL
ENGINEERING ZONE

NEW



ROBOTICS
ZONE



HSE
ZONE

NEW



OIL RIG
ZONE



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CONNECTING THE GLOBAL ENERGY COMMUNITY



11 - 13 February 2020



9 - 11 June 2020



8 - 10 September 2020



9 - 12 November 2020



9 - 12 January 2020



12 - 14 February 2020



25 - 27 February 2020



18 - 19 March 2020



18 - 19 March 2020



12 - 14 May 2020



May 2020



10 - 12 June 2020



16 - 18 June 2020



June 2020



1 - 3 September 2020



7 - 10 September 2020



8 - 10 September 2020



8 - 10 September 2020



16 - 17 September 2020



23 - 24 September 2020



28 - 30 September 2020



September 2020



7 - 8 October 2020



October 2020



October 2020



2020



2020



9 - 12 November 2020



9 - 12 November 2020



9 - 12 November 2020



25 - 26 November 2020



November 2020



December 2020



13 - 14 April 2021

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CONSOLIDATING GLOBAL BUSINESS RELATIONS: AN INTERVIEW WITH **ALI AL JARWAN**, CEO, DRAGON OIL

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Dragon Oil had allocated a budget of around \$500 million for acquisitions in 2019. Can you tell us more about these deals?

Yes, this was previously announced in 2018; however, during 2019, Dragon Oil closed the Gulf of Suez Company (GUPCO) deal from BP at \$850 million.

From your point of view, how will GUPCO's acquisition deal help enhance Dragon Oil's global position and investments in other countries, including Turkmenistan, Iraq, and Afghanistan?

GUPCO's acquisition was a good test for our capabilities, both technical and financial. GUPCO is important for Dragon Oil in order to operate in Egypt and look for more opportunities. Dragon Oil is also committed to focusing on operational excellence and feasible investment to improve production.

What is Dragon Oil's strategy to achieve a production rate of around 300,000 barrels per day (bbl/d) by 2026, especially after the completion of the acquisition transaction?

Now with production from GUPCO expected at an average of 75,000 bbl/d, together with a similar production rate in Turkmenistan and improved production in Iraq, Dragon Oil production will be over 150,000 bbl/d, which is half way from achieving the target production of 300,000 bbl/d by 2026.

After acquiring BP's stakes in GUPCO, how does Dragon Oil plan to develop GUPCO's current production rate of 63,000 bbl/d to reach 75,000 bbl/d by 2021? What are the technical methods Dragon Oil will depend on to maintain this level of production?

Dragon Oil, jointly with EGPC, will increase the number of rigs, together with a special focus on well intervention. Technology and innovation will be utilised through the integrated teams and the international experience in artificial intelligence and 3D seismic.

Are there any new exploration and production (E&P) activities in the East Zeit Bay concession area that you would like to share with us?

We are completing our commitment, where we drilled the first well and shot the seismic survey, and now we are looking forward to drilling the second well.

Would you say that, as Dragon Oil pushes its activities in the Gulf of Suez region, GUPCO has the potential to succeed in East Zeit Bay as the company's primary asset in Egypt?

GUPCO represents the petroleum legacy of Egypt and has spare capacity in its surface facilities, pipeline, and storage. Any new additional fields can be connected to GUPCO, where feasible.

Based on the strong relations between Egypt and the UAE, does Dragon Oil have any other future investment plans in Egypt?

We learned about Egypt's new legislations to stimulate more investments in the oil and gas industry, more production rates of oil and natural gas, and improve The national economy. This is very interesting to Dragon Oil, being a 100% UAE company that can operate professionally and safely within the collaborative atmosphere between Egypt's and the UAE's governments.

Do you think the nature of the oil and gas industry is collaborative or competitive? And for the industry's greater good, can such collaboration manifest through mergers and acquisitions?

The classical roots of the E&P industry are collaborative since all operations are done by service companies, vendors, and contractors engaged in production operations, drilling, maintenance, or projects engaging high-standard manufacturers. All of this is planned, supervised, and managed by the operating companies under the guidelines and approval of the host government. Such culture will continue; however, with higher agility and adaptation to new best practices and innovative technology, so companies continue to be competitive.



WE LEARNED ABOUT EGYPT'S NEW LEGISLATIONS TO STIMULATE MORE INVESTMENTS IN THE OIL AND GAS INDUSTRY, MORE PRODUCTION RATES OF OIL AND NATURAL GAS, AND IMPROVE THE NATIONAL ECONOMY. THIS IS VERY INTERESTING TO DRAGON OIL.

[THE GULF OF SUEZ] GUPCO'S ACQUISITION WAS A GOOD TEST FOR OUR CAPABILITIES, BOTH TECHNICAL AND FINANCIAL. GUPCO IS IMPORTANT FOR DRAGON OIL IN ORDER TO OPERATE IN EGYPT AND LOOK FOR MORE OPPORTUNITIES.

VISIT US AT

STAND NUMBER: **3A20**

HALL 3



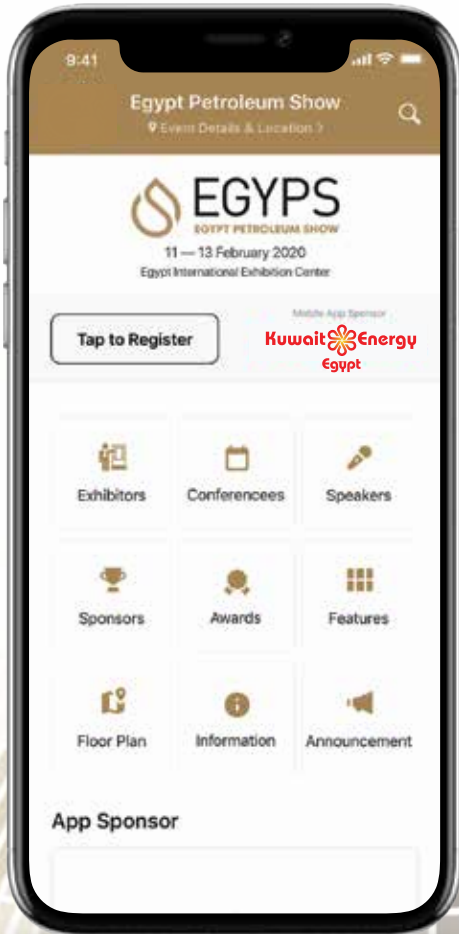
تحت رعاية فخامة الرئيس عبد الفتاح السيسي رئيس جمهورية مصر العربية
HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



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MAINTAINING THE GLOBAL ENERGY POSITION: AN INTERVIEW WITH **DMITRY TYRKBA**, CEO, TMK M.E. FZCO

Since 2009, TMK has been ranked first in the world for the volume of its pipes' shipments. Could you tell us how did you reach this leading position?

The company has created a modern, vertically integrated industrial group manufacturing and supplying high-tech, competitive pipe products through the consolidation of production assets across the globe, scientific and engineering innovations, and a geographically diversified sales network. In 2018, the total volume of pipes shipped reached up to 4 million tons.

On the same sequence of the previous question, how does TMK plan to maintain and strengthen its global position?

TMK is committed to client satisfaction. We constantly develop our strategy and implement new solutions to meet client needs. TMK's research efforts are spearheaded by its own research and development (R&D) centre in Skolkovo Innovation Centre outside Moscow (Russia), the Russian Research Institute for the Tube and Pipe Industries (RosNITI) located in Chelyabinsk (Russia). These centres focus on new product design and development, experimental and validation testing, and advanced research. Introducing new technologies fulfilling client's needs. Our Green Well technology among many others, shows TMK's vision for a better future in the world.

TMK has a high market share of oil country tubular goods (OCTG), which was represented in 2018 by approximately 15% of the worldwide market. What are the company's strides toward rising its market share of OCTG?

TMK's vision is to maintain our effective global role in OCTG, and the energy sector in general. Through our regional offices, our local agents and our global participation in seminars and events, TMK is always carefully listening to client's needs from different parts of the world. Every market has its own challenges; TMK's unique production and service capabilities supply a wide range of customers in over 80 countries, offering effective solutions to their operational challenges. Moreover, TMK focuses on strengthening its partnerships with global customers, we consider alliances and partnerships as an opportunity to strengthen our global competitiveness.

TMK always aims to ensure that its activities align with the best global practices in its financial openness and transparency. What does the company do to implement this?

TMK is a listed company, and its shares are traded on the London Stock Exchange and Moscow Exchange. The company's information policy is based on the principle of improving transparency and maintaining continuous interaction with shareholders and investors. Our company is fully compliant with international financial standards, and in addition to mandatory disclosures, TMK publishes quarterly IFRS consolidated financial statements on its website for everyone to see.

What are TMK's expectations for EGYPS 2020?

Our expectations besides strengthening our ties with local presence in Egypt, is to build new relationships and introduce new partnerships to our target. We consider EGYPS 2020 to be our gate pass to Egypt, and the North African markets.

As sponsors for EGYPS, how do you find this platform a chance towards achieving your goals?

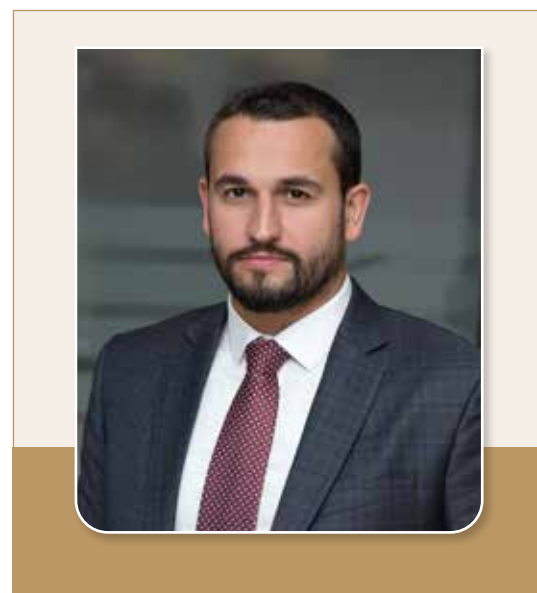
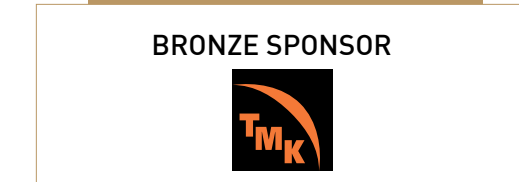
As mentioned before, our company focuses on strengthening its long-term partnerships and relations with our global clients. We value customer satisfaction and we focus on staying connected with our clients and global oil and gas authorities in all our markets. By participating in major events, like EGYPS 2020, we stay close to our customers and relevant parties, which gives us better understanding for our client's challenges and needs.

How important is Egypt as a market for you?

Egypt has been among our main markets in MENA region since we introduced our global sales presence. We believe in Egypt's vision and we see a lot of potential in the growth plans that have been set for the country. We believe that Egypt will be our main market in 2020 and after. We are keen to maintain our existing successful relations and partnerships inside Egypt, and aim to engage with new partnerships and business relations.

What is your outlook for North Africa business?

We aim to increase our participation in the pipe industry in North Africa. We intend to widely expand our exports to the region, to optimise and to balance



the range of products and markets, strengthening partnerships with our existing customers and attracting new partnership opportunities.

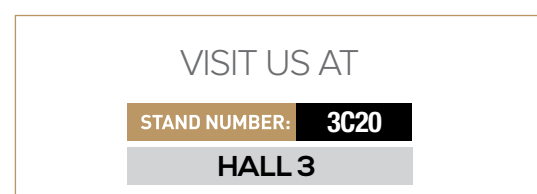
What new technology are you looking to bring to Egypt?

By understanding our client's challenges, we will have a clearer vision of the technologies and solutions we have to implement and introduce.

- We introduce our GreenWell dope-free coating technology for our TMK UP premium connection. Polymer coating is a cutting-edge alternative to standard dope for threaded connections that ensures gas tightness of pipe connections along with compliance with environmental regulations and safer operating conditions.
- We introduce TMK UP Centum. Third generation premium threaded and coupled connection. Unique design for quick assembly and sealability under the most severe well conditions. Tested and validated per ISO 13679 CAL IV under 100% tension and 100% compression.

What is the significance of EGYPS and what do you hope to accomplish from the show?

Based on our mission for global presence, North African presence, and most importantly our local effective presence in Egypt, we believe EGYPS to be the perfect platform that builds bridges between different components of the energy sector. We hope to accomplish all our abovementioned goals pertaining to our positive vision towards Egypt and North African markets.



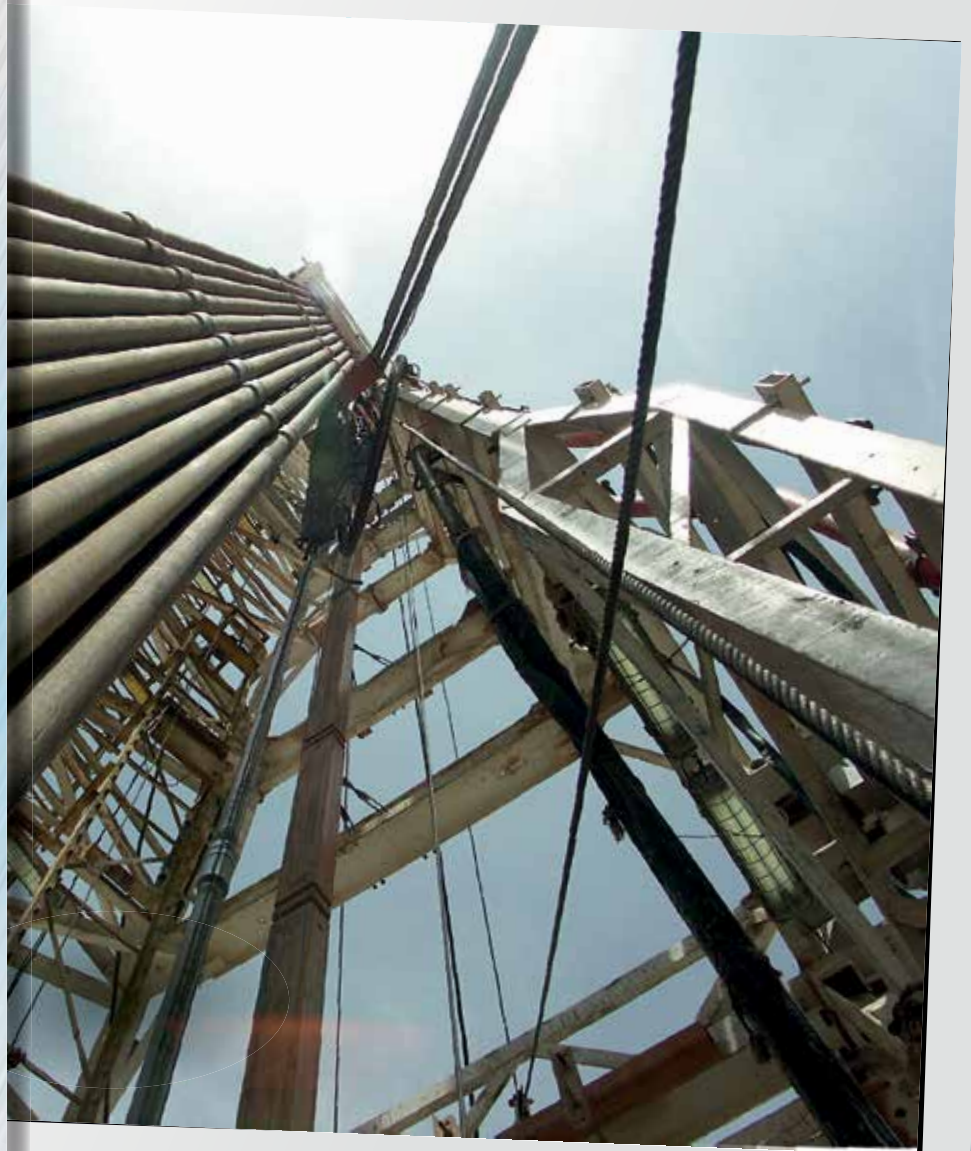
TMK IS COMMITTED TO CLIENT SATISFACTION.
WE CONSTANTLY DEVELOP OUR STRATEGY AND
IMPLEMENT NEW SOLUTIONS TO MEET CLIENT
NEEDS. 

PROVEN
EXCELLENCE



Exploration
and production

30 YEARS OF
CONTINUOUS
ACTIVITIES
IN EGYPT



IDP FEATURES ITS PROMINENT SUPPLIER ALIMAK

International Development Programmes (IDP), recognised as one of the market leaders in the field of supply and services of heavy construction and industrial equipment/machinery in Egypt, invites EGYPS visitors to discover more about one of its most prominent suppliers, ALIMAK.

ALIMAK is a Swedish manufacturer for industrial elevators developed to withstand extreme conditions of the world's most hostile environments.

Oil, Gas Offshore:

Since ALIMAK's offshore elevators were the first to enter the oil and gas market in 1974, ALIMAK managed to dominate the market due to three factors which are:

- » Broad offering of vertical access solutions to the offshore industry.

» Offering a broad product portfolio of both rack-and-pinion and traction elevators to the offshore industry.

» Unique capacity to handle special products or projects.

Our capacity and experience in ALIMAK help in providing technical and administrative support needed to meet the stringent demands of the offshore industry including the provision of protecting requirements against explosion, in addition to offering outstanding offshore support services.

Oil, Gas Onshore:

ALIMAK specialises in rack and pinion-driven elevators for industrial locations, and has more than 40 years of experience in the oil and gas applications.

The elevators provide reliable and convenient access in oil refineries, natural

gas processing plants, petrochemical plants and liquefied natural gas (LNG) storage tanks. Many field studies and research reports have shown that the installation and usage of ALIMAK elevators are extremely profitable, even at very low lifting heights, return on investments in industrial elevators is short.

ALIMAK also supports the construction and maintenance of onshore oil and gas facilities through providing temporary vertical access solutions.

The usage of ALIMAK's industrial elevators has proven to be essential not only in the oil and gas industry, but also in the metals and steel, ports and shipyards, in addition to cement and power industries.

STAND NUMBER: **3D10** HALL 3



NOV: TRANSFORM YOUR PERFORMANCE

National Oilwell Varco (NOV) is a leading provider of technologies, equipment, and services to the oil and gas industry globally. Across every region and area where NOV operates, its group of companies provides these areas with all needed technical expertise, advanced equipment, as well as operational support necessary for executing the work in a smarter, safer, faster, and more successful way.

NOV has always believed in innovation since 1862. Through business innovation, product creation, and services delivery, NOV has succeeded in powering the industry that is powering the world. Thus, NOV has been considered as a pioneer in providing innovations that help improve cost-effectiveness, efficiency, safety, and environmental impacts of oil and gas operations.

For NOV completion and production solutions, it has the expertise to help customers complete projects on target, delivering new levels of productivity. NOV provides rig technologies, by which it is harnessing the strength of knowledge and innovation to revolutionise the future of energy. Through NOV wellbore technologies, NOV enhances drilling performance at the rig, both on land and offshore



Additionally, NOV believes in service above all because the group's main goal is to move customers' business forward. Thus, NOV needs to anticipate its customers' needs and work on delivering them on time and on budget. Hence, NOV spares no effort in supporting its customers' activities of full-field drilling, completion, and production needs.

It is worth mentioning that a key component of NOV's success is its global family of thousands of individuals, working as one team to create a lasting impact for the company itself, its customers, and the communities where they live and operate. This mainly comes from the sense of responsibility in NOV's employees, as they care for each other and the company's future as well, knowing that personal ownership leads to broader success.

STAND NUMBER: **2K38** HALL 2

BULK INTRODUCES GRP INSTRUMENT PROTECTION ENCLOSURE

BULK is an Italian company that has depended on the knowledge and experience of its founding partners to be aware of the market's requirements when it comes to the design, purchasing and assembling of instrument bulk material. Bulk is an ISO 9001 certified company, and is qualified by major companies in the oil and gas, energy and petrochemical industries such as Belayim Petroleum Company (Petrobel), the Egyptian Natural Gas Company (GASCO), and Petrojet.

Bulk's products:

Bulk has been providing the oil and gas industry with a wide array of products. The company's first product line consisted of double ferrule compression fittings and instrument manifolds designed and built in accordance with the international standards, and with paying attention to suggestions and feedbacks that Bulk received from different fields. For double ferrule compression fittings, it is used for any application requires reliable tube connections with pressure tight sealing. Meanwhile, the instrument manifolds in 316 stainless steel or in any machinable metals including Carbon Steel, Monel, Inconel Titanium, and Hastelloy C.



Bulk has launched its Glass Reinforced Plastic (GRP) instrument protection enclosures. The GRP is available in different sizes and are hot pressed. The self-extinguishing material is particularly suitable for aggressive and corrosive environments, and is resistant to the ultraviolet (UV) rays.

The GRP product line has succeeded in grapping a great deal of interest globally, given the large and constantly increasing number of plants built in areas with extreme environmental conditions.

Working closely with customers enabled Bulk to become aware of their needs to establish a single reference-point for purchasing instrument material. Accordingly, Bulk has succeeded in becoming a market leader in the supply of packages. Sampling systems, electro-pneumatic panels and other customised packages have further extended Bulk's products range, making it a real reference-point for the market.

STAND NUMBER: **2F67** HALL 2

EPRI BRINGS MULTIDISCIPLINARY ENHANCEMENTS TO PETROLEUM INDUSTRY

The Egyptian Petroleum Research Institute (EPRI), an affiliate to the Egyptian Ministry of Higher Education and Scientific Research, is a governmental entity established in 1974, and is devoted to enhancing multidisciplinary areas in the petroleum and energy industries.

EPRI provides the petroleum sector with different field chemicals, analytical services, consultancies, and technical trainings. Moreover, EPRI is working on a large number of active contracts with different petroleum companies.

At EPRI, we believe that people, experiences, research and development (R&D), and innovation are key factors of success in different economic contexts.

EPRI constantly provides unique, in-class practical and pioneering solutions, standard analysis, chemical products, quality control, and technical support.

EPRI service centres offer distinguished units to enable its clients to provide a wide range of customers with multidiscipline analytical services. Those services include crude oil and gas analysis, special core analysis, and Pressure Volume Temperature (PVT) analysis. Meanwhile, EPRI production centres provide its clients with a complete range of chemical products as well as their additives.

EPRI service centres include:

- » Central Analytical Labs
- » Nanotechnology Centre
- » Core Analysis Lab



- » Earth Sounding Unit
- » Nondestructive Testing (NDT) Centre
- » Tanks Services Centre
- » Chemical Services and Development
- » Asphalt and Polymers Services Centre
- » Technical Support and Technology Centre
- » Surfaces Protection Centre
- » Cathodic Protection Unit

It is crucial to highlight that EPRI's competence mainly comes from possessing the most advanced scientific equipment, well-trained technicians, in addition to high-qualified scientific staff. In conjunction with having an open-minded administration, and a clear vision to accomplish its objectives.

STAND NUMBER: 3A30 HALL 3

EWPSO PROVIDES SEVERAL SERVICE TOOLS FOR ONSHORE, OFFSHORE OPERATIONS

The Emirates Western Petroleum Services Company (EWPSO) started the provision of its services in Abu Dhabi, in 1984. EWPSO commenced with offering cementing, stimulation and downhole tools for onshore and offshore operations, and it is owned by Mohamed Al Otaiba, a leading figure in the UAE. EWPSO, through its affiliate in Egypt, began its offshore oil operations in 2019. Since then, the company followed a steady programme within its organisation.



Al Otaiba Group EST team. Hence, EWPSO spares no effort in providing safe services with high quality to national and international communities.

It is worth highlighting that EWPSO ensures serving its products and services in effective manner to comply with the customer's needs and expectations. That is why the Quality Assurance system within EWPSO mainly targets establishing and maintaining a proper quality level for all activities that may influence the quality of EWPSO's products and services.

Furthermore, EWPSO management has always been stressing that each employee within the company is responsible for assuring that their clients are provided with the best in-class products and services.

EWPSO's onshore and offshore services include drilling, cementing, downhole tools, stimulation, nitrogen services, well-testing services, coiled TBG services, related chemical services, in addition to many other services.

Furthermore, EWPSO provides shipping services, offshore and onshore, for companies which need (G26, military permits, navigation license for vessels, port security permit, radio license for vessels and rigs, Egyptian permits, foreign permits, food supply, sign on and sign off with the immigration, coordination with the Egyptian navy base,.....)

Additionally, EWPSO participates in other activities as well such as entering into petrochemical projects, through

STAND NUMBER: 1A10 HALL 1

FLEXIM OFFERS FLOW MEASUREMENT FOR NON-INVASIVE CLAMP-ON LIQUIDS, GASES



Extracting oil and natural gas means handling enormous amounts of energy which may exist in high pressure and corrosive environments. Thus, ensuring operational safety is a priority.

FLEXIM's flow metres help reduce maintenance and leak points, while improving safety and efficiency. FLEXIM's non-invasive flow metres provides bi-directional flow measurement from outside the pipe. Our hermetically sealed transducers are installed in rugged stainless-steel mounting fixtures, and may be commissioned under flowing conditions. Non-invasive also means no exposure to corrosive or hazardous media, resulting in reaching reliable measurement over an unlimited flow range. Furthermore, FLEXIM can offer mass flow measurement of natural gas for injection application.

A FLUXUS G clamp-on ultrasonic gas flow metre from FLEXIM represented a

perfect solution. The demanding high-pressure gas application required a wall thickness of 25 mm (0.98 inch). This was no problem for the FLUXUS G flow measurement system, in combination with the correct transducer design. By inputting pressure and temperature data, the FLUXUS metre calculates the compensated gas mass flow rates.

FLUXUS Advantages include:

- » Gas mass flow measurement is not related to pipe dimensions, material, wall thickness and internal pressurisation
- » No susceptibility to abrasive wear as being installed outside the pipe wall
- » High turndown rate and broad measurement range
- » No measurement drift- highly accurate and reliable
- » No process interruption for installation

STAND NUMBER: 1C13 HALL 1

IK SAUDI OFFERS UTILITY SCRAPING TOOLS, SCRAPERS TRACKING EQUIPMENT

IK Saudi is a Saudi-joint venture (JV) company that has a manufacturing facility at Dammam second industrial city. The company has a vision to accomplish, which is becoming the premier pipe and pipeline intervention solutions and technologies in Saudi Arabia and the Middle East.



During Egypt Petroleum Show (EGYPS 2020), IK Saudi for industries plans to bring out its utility scraping tools and scrapers tracking equipment. Moreover, the company will illustrate to its visitors during the exhibition its foam scrapers designs, in addition, IK Saudi will offer as well its mechanical tools which are characterized by different features and a variety of sizes.

Additionally, IK Saudi will showcase how their EM transmitters work along with the receiving kit which consists of an antenna and a hand held receiver.

Furthermore, the company will provide its visitors with acquaintance about hydrostatic testing tools and isolation methods. Besides, IK Saudi plans to not only fully explain how their hydrostatic testing designs can withstand a high pressure level and can be very handy in terms of practicality, but also it will show

the add on gate valve isolation method. The gate valve isolation method is a new technology that can outperform the traditional isolation method by decreasing down time.

Also, the company will demonstrate its competency into making any polyurethane components needed for top side or subsea because it has high quality raw material, in addition, it has the needed ability to take the challenge of producing what the customer wants.

It is worth mentioning that IK Saudi mainly targets fulfilling the market gap in Saudi Arabia for engineered utility scrapers, and providing world-class solutions for pipelines. Besides, the company managed to accomplish significant milestone by having Saudi Aramco Entrepreneurship Ventures as a strategic investor.

STAND NUMBER: **3A71** HALL 3

INA TO EXPAND E&P ACTIVITIES IN EGYPT

INA, d.d. is a medium-sized European oil company with a leading role in Croatian oil industry and a strong position in the region. Throughout its history, INA has proved its excellence in many exploration and production (E&P) operations in Croatia, in addition to 20 other countries.

INA has been continuously present in Egypt for more than 30 years. Egypt is considered the focus point of INA's E&P activities abroad. INA aspires to expand its operations through acquisition of new areas in the country. That is why INA sees the Egypt Petroleum Show 2020 (EGYPS) as an excellent opportunity to showcase the company's achievements to date as well as its further plans.

From the beginning of production in 1994 until today, INA has produced 15 million barrels (mmbbl) of crude oil in Egypt.

The company's office in Cairo was founded in 1997 and it has been very agile in speeding up E&P activities on INA's assets which include one operated concession, East Yidma, and three non-operated concessions; North Bahariya, Ras Qattara and West Abu Gharadig, all in partnership with renowned companies.

In 2019, with INA as operator, the deep exploration well Rizk-2D of 5,613 metres was successfully drilled. The well is



currently being equipped for production, with Marina Petroleum Company (MPC), INA-the Egyptian General Petroleum Corporation (EGPC) joint venture (JV), in charge of the operations.

In 2019, INA registered a 20%+ increase in Egypt's oil production, supported by workover and drilling activities and with a higher investment level than previous years. On top of all this, INA takes into consideration that all activities have to be continuously monitored and implemented according to highest Health, Safety, and Environment (HSE) standards. During EGYPS 2020, INA plans to emphasize and showcase that safety is its first priority.

STAND NUMBER: **2J61** HALL 2

IRZ TEK OFFERS DOWNHOLE MONITORING SYSTEMS

IRZ TEK is a manufacturer of a wide range of oilfield equipment. It offers a myriad of products which includes but not limited to; sensors and process control systems. The company presents efficient integrated solutions to cope with the needs of its clients. Some of these solutions fall into the categories of control and management of oil production process, increasing of productivity and lifetime of equipment, and cost optimisation.

IRZ TEK products:

- BP-95MT5 Downhole Sensor:

The BP-95MT5 is used to monitor the basic parameters of the electrostatic precipitator (ESP) operation. The sensor has two independent sets of downhole



electronics, not only that, but there is also a backup set which is automatically activated in case the first one fails.

- BP-28VT Downhole Sensor

The BP-28VT is used to measure the temperature, and pressure of the environment inside tubing and annulus. It is designed to handle extreme temperatures (up to 230°C).

- SPLM - Submersible Reciprocating Pump Unit with Linear Motor

SPLM is used to operate in wells with any curvature, including horizontal, and deviated wells with low rate of production from 0.8 to 20 cubic metres per day (m3/day). It eliminates problems associated with using rods (rods loosening) breakout and corrosion. The unit's efficiency ranges from 60-90%, which is higher than other pumping systems.

- IRZ-550 Variable Frequency Drive

The IRZ-550 ensures control and parameters monitoring, as well as the protection of linear electric motors with power ranging from 15 to 80 kilowatt (KW), enabling motor speed regulation.

- Downhole Induction Heater – Termit

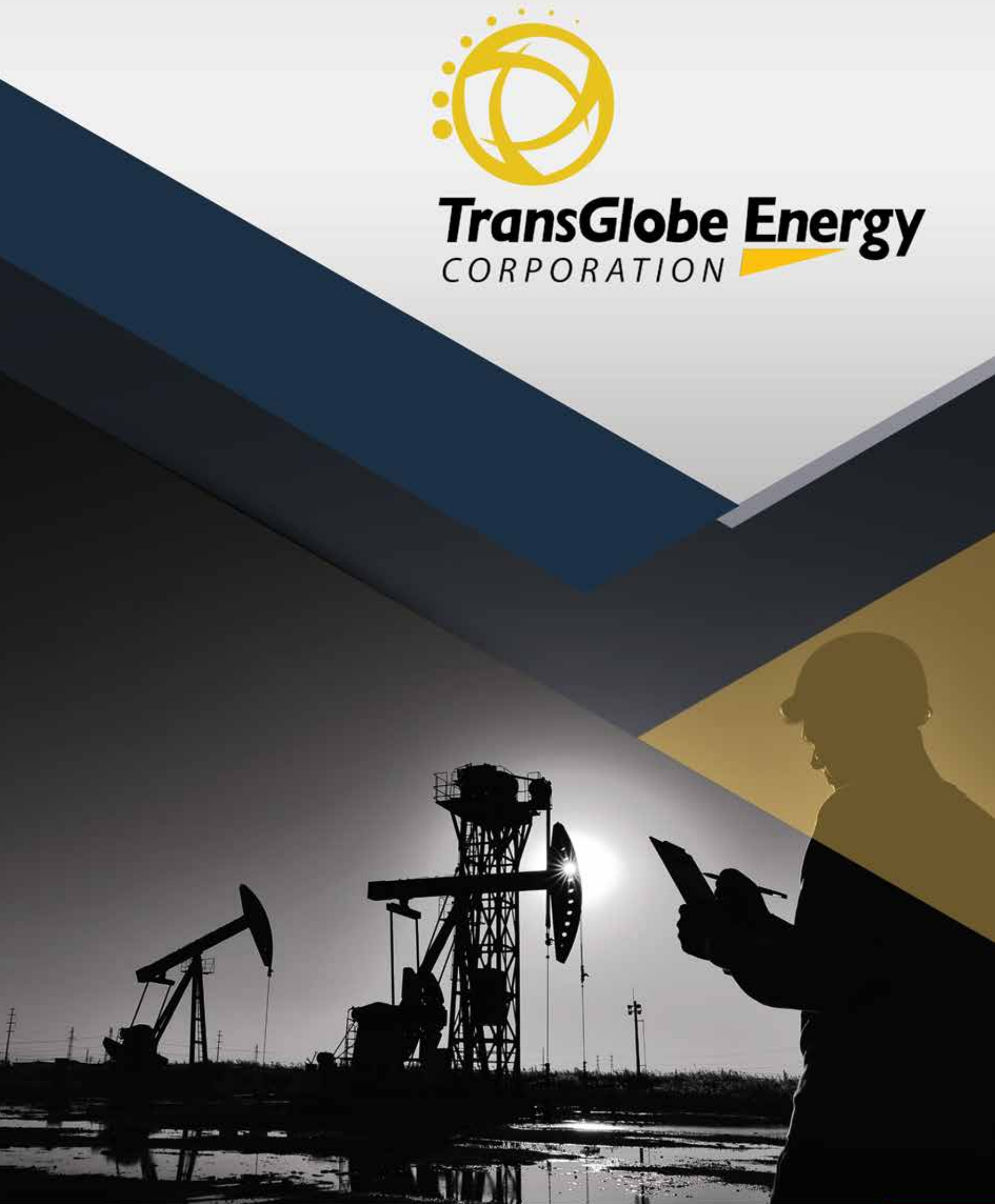
The downhole induction heater is designed to decrease oil viscosity.

It is worth mentioning that IRZ TEK understands the nature of the environments where it operates, accordingly, the company develops its design solutions to enable its clients to reach the optimal level of production.

STAND NUMBER: **1F10** HALL 1



TransGlobe Energy
CORPORATION



GROWTH WITH ENERGY

JFE STEEL ADDRESSES OIL, GAS DRILLING REQUIREMENTS

JFE Steel, in collaboration with its business partners, is working on addressing the drilling requirements which are significantly demanded in the oil and gas industry, such as deeper drilling, higher compression, and more corrosive wells. The company plans to fulfill these requirements through using its high-end materials and premium connections.

It is worth noting that JFE Steel is considered a leading manufacturer of high chromium steels.

Additionally, the company has not only been supporting oil and gas companies across the world for many years, but also it has contributed to developing the oil and gas industry in Egypt.

JFE Steel has collaborated with Marubeni-Itochu Steel and JFE Technical Centre, a joint venture (JV) between JFE Steel and Marubeni-Itochu Steel. While Marubeni-Itochu Steel provides supply chain management, JFE Technical Centre provides technical services, including technical consulting and running supervision services.

Moreover, JFE Steel is not just offering the supply of oil casing and tubing (OCTG), it also supports its customers to perform their operations smoothly through providing them with all needed technical assistance.



In recent years, the well-drilling environment has become more challenging, consequently, the required OCTG specifications needed to be advanced as well to cope with these changes.

At EGYPS 2020, JFE Steel plans to introduce 13Cr materials and its premium connections, in addition to its high-end materials; UHP-15Cr and UHP-17Cr, which offer high strength and excellent corrosion resistance under the harshest production and non-production environments.

JFE Steel's UHP-15CR and UHP-17CR will exhibit remarkable performance and a cost-effective alternatives to the high cost CRA steels; thus, it will enable the users to control costs which is the most important issue in today's business.

This all comes with JFE Steel's vision which is contributing to developing societies through providing the world's most innovative technologies.

STAND NUMBER: 3D60 HALL 3

LMEC SUPPORTS MARITIME INDUSTRY

Landmark Marine, Engineering and Consultancy (LMEC) is a diversified marine services company dedicated to serve leading companies of the maritime industry.

Our company specialises in cargo inspections, ISM, ISPS, MLC 2006 audits and consultation, and marine accident investigations. We also provide services of ISO 9001/14001/28000 and OSHAS 18001 consultation and training inspections by offshore side.

Our Services include:

Ships Management:

LMEC Ship management group of directors have decades of international experience in ship management, which mainly came from their academic, technical and business careers.

Marine Services, Ships Bunkering:

We have the most professional employees and the most advanced equipment to ensure that the bunkering procedure is performed according to international standards.

Our years of working hard in fields have provided us with invaluable experience and the opportunity to establish a well-developed infrastructure for delivery, storage and bunkering of marine fuel.



Flag Inspections, Audits

LMEC represents the Maritime Administration for the following flag state annual safety inspections and auditors: Liberia- Panama- Belize- Dominic- Saint Vincent – Cook Islands – Sierra Leone

Ship Registration, Crew Endorsement:

We - Landmark Marine- provide our services for all flag state legal documents and certificates for crew endorsement, seaman's book for flags.

Marine Consultants:

We offer a wide range of consultancy services, which is a very suitable arrangement when a specific survey is not applicable or appropriate.

Oil and Gas Marine Advisor, Project Management:

LMEC has the most professional employees acting as marine advisors, project managers, and security coordinators for oil and gas projects

STAND NUMBER: 3G70 HALL 3

NEXSON GROUP FEATURES WELDED HEAT EXCHANGERS FIELD

Born from a true passion of 30 years in the field of welded heat exchangers, Nexson group, a 100% French company that was founded in 2011 and quickly became an international reference.

Nexson markets its spiral exchangers worldwide through its partners and offices, enabling the company to meet the growing market demand. Moreover, Nexson is involved in many fields of application such as agroindustry, heavy industries, petrochemicals, refineries, and environment.

Nexson designs, develops, and manufactures your spiral heat exchanger in formable and weldable materials of your choice (GreenSpiral™). This spiral

heat exchanger provides substantial savings in installation, operation and maintenance.

Main advantages of Nexson's designed spiral heat exchangers:

- » Single channel/ robust/ compact/ accessibility to heat transfer area.
- » Longest operation uptime/ easy on-site handling in maintenance and cleaning/ reduced emissions
- » Both media are separated by metal (welding seams instead of gaskets) resulting in minimal service costs

Our welded heat exchangers are considered the best choice due to high fouling media, mechanical/ pressure



process conditions, difficult thermal operation conditions, and operational and process safety issues.

Because Nexson group has the competency to commit, create, innovate and act, the group's teams - regardless of their level or status - are the essential levers of performance to meet the

expectations of their customers by offering advice, quality and expertise.

Furthermore, Nexson proves having a dynamism, as well as experienced know-how and skills through accompanying its customers in their projects by proposing personalised solutions.

Thanks to its strong family structure, Nexson group provides its clients with listening, reactivity and a close monitoring of their projects. Experience and motivation of Nexson's team are the driving engine to always bring you the best professional support in your everyday projects.

STAND NUMBER: 2F40 HALL 2

ONSPEC TAWAKOL: YOUR GATEWAY TO SUPPLY SOFTWARE EQUIPMENT

Onspec Tawakol Engineering & Contracting (OTEC) is an engineering, modeling and simulation software and equipment supply firm serving the oil and gas industry. We engineer and supply systems and packages pertinent to oil and gas production, petrochemicals, and refining. We employ more than 100 best in-class engineers who perform challenging tasks in procurement and engineering services, FEED, and detailed design for onshore and offshore projects.



Our main partners are:

SDMO Industries is the third biggest player worldwide in the generating set market. It was established in Brest, France. Whatever the power needed, a commitment to quality is guaranteed by an ISO 9001 certification, ensuring on-time delivery and high-performance for all products.



Chromalox developing advanced thermal technologies for the world's toughest industrial heating applications.



We invented electric heating technology. Chromalox started with an innovative solution, 100 years ago, when a self-taught engineer invented the first metal-sheathed resistance heating element.

Rosetti Marino is an integrated group providing EPC (I) services to energy industry worldwide.



Aspentech has a mission which is accelerating the digital transformation of the industries we serve by optimising their assets to run safer, greener, longer and faster.



Our software tackles most complex challenges in process manufacturing to create value and improve our customers' profitability. The industries that drive our economies and touch our lives are optimised by aspenONE software every day. The world's leading oil and gas companies significantly rely on AspenTech to run their businesses.

STAND NUMBER: **3H68** **HALL 3**

PELICAN BRINGS ITS SAFETY CERTIFIED LIGHTS

Pelican™ Products is a global leader in the design and manufacture of advanced portable lighting systems. It offers a perfect array of safety certified lights for professionals working in high-risk industries.

Professionals can be confident that Pelican offers the right products with the highest safety certifications to control their projects. The company offers more than 25 lights with European ATEX Certification (Zone 0 and Zone 1) and US (UL/FM) safety approvals.



Pelican safety torches and floodlights (RALS) are designed for professionals working in oil and gas refineries, offshore platforms, mining, petrochemicals, in addition to other high-risk industries. A selection of these solutions will be showcased at EGYPS 2020.

To illuminate larger work areas, confined spaces or potentially hazardous zones, Pelican introduced the 9455Z0 Remote Area Lighting Systems (RALS), with three global safety certifications: ATEX European Zone 0 (Cat.1), IECEx IA and CI, D1.

Built with versatility in mind, the 9455Z0 is a compact 7,3 kilograms (kg) portable lighting system. It is important to note that the 9455Z0 is easy to be set up.

Its powerful LEDs radiate 1,600 lumens in high and 800 in low mode, extends the run time up to 10 hours. Powered by a maintenance-free rechargeable battery, the system offers a wide beam spread of 125° of clean energy that illuminates the entire area. Besides, it features a telescoping mast that extends to 80 centimetres (cm), a 360° articulating light array, and a wide handle for easy gloved grip and transport.

Pelican's RALS provides fully portable, powerful, energy-efficient and rechargeable lighting without the use of generators.

Hence, through Pelican™ Products, the need for a safe, economic and convenient alternative to generator powered lighting is answered.

STAND NUMBER: **3E62** **HALL 3**

PETRO IT BRINGS UP BEST IN-CLASS SOFTWARE SOLUTIONS

Founded in 2003, Petro IT provides its clients with the best-in-class software solutions including Pipetrak IT for supply chain and construction management, Streamline for completions management, Quicksilver for engineering workflows, and Glide for asset facilities mapping.



Through its software solutions, Petro IT is capable of supporting the build-out, maintenance and operations of energy transportation assets.

Petro IT is dedicated to helping asset owners and operators improve the productivity of their systems, in addition to enhancing the safety, compliance, reliability, utilisation and profitability of the life cycle of their operations. Innovation is considered a key driver for achieving efficiency.

It is worth mentioning that Petro IT is enriched by highly skilled, experienced and purpose-trained engineers who successfully managed to bind conventional methods to advances in information technology in order to provide solutions that streamline and build efficiencies into the operations of major oil and gas facility owners, operators and contractors.

The company operates through its regional offices in the Americas, Ireland, the Middle East, and South East Asia and

is headquartered in the National Capital Region of New Delhi (Gurgaon), India.

Petro IT commenced its operations in the Middle East in 2006. In the last 15 years, we have built an impressive roster of prestigious clients in the region like Petrojet, Petroleum Development Oman (PDO), Oman Gas Company (OGC), Abu Dhabi National Oil Company (ADNOC), TAKREER, Qatar Petroleum, BP, The Trans-Anatolian Natural Gas Pipeline Turkey, Oman Oil Company for Exploration and Production (OOCEP).

At EGYPS 2020, we plan to exhibit our products along with our knowledge and experience on digitisation by using the latest technology on oil and gas projects. Our experts will be waiting for your visit to answer all your queries related to our solutions, in addition to showcasing how to manage and track the projects' activities.

STAND NUMBER: **1F12** **HALL 1**

RAD OFFERS TORQUE WRENCHES FOR HEAVY-DUTY APPLICATIONS

RAD Torque Systems B.V. is a distributor of pneumatic, battery powered and electronic pistol grip torque wrenches made by the leading Canadian manufacturer New World Technologies Incorporation.

RAD's bolting tools are successfully used all over the world in industries such as oil and gas, and petrochemical industries. Their tools are based on the 'powered multiplier' principle which enables high speed, low weight, higher safety and accuracy.

Our mission in RAD is to be a recognised leader in controlled bolting solutions that outperforms customers' expectations.

RAD Services Include:

Battery Powered B-RAD

The B-RAD battery series includes two types; B-RAD Brushless Select, and Digital B-RAD. The former comes with two simple buttons to increase or decrease the value by 10 ft. Lbs. It is great for so many reasons especially that it automatically backs off when the torque cycle is completed, which allows the end user to move quickly to the next bolt. As for latter, it is considered the world's first digital cordless, and lithium-ion battery tool on the market. Its benefits include high levels of accuracy and the latest lithium-ion 18V battery technology.

Pneumatic DX Series

RAD Pneumatic DX series is a patented technology that is varied and efficient in many ways, but they all share stable features. These features include precision, lightweight, and being ergonomic.

E-RAD BLU

The torque wrench tool offers high levels of precision and provide a high degree of accuracy (+/- 3% on target) for high torque assembly applications. It is capable of data collection and torque/angle measurement.



RAD Smart Sockets™

RAD Smart Sockets™ are innovative; they combine RAD Torque's transducer technology with custom sockets. It is a perfect audit tool for inspecting bolted joints and can function as a master calibration for various torque tools.

STAND NUMBER: **3A70** HALL 3

SAFWA OFFERS MAIN SERVICES TO HYDRAULICS FIELD

Safwa Company provides maintenance, services, various equipment, and machinery to Egypt's market leaders in the hydraulics field. They offer a great customer service and provide their clients with not only solutions for their technical problems, but they also offer suitable parts according to their needs.

The company's products are suitable for a myriad of clients including petroleum companies, steel factories, other seals' distributors in Egypt, and agents of earth moving equipment.

During EGYPS 2020, Safwa will exhibit some of its products including hydraulic and pneumatic seals, radial shaft seals, seamless pipes, friction pipes, ST.ST SMLS & WELDE PIPE, Gaskets, and O-ring products.

Hydraulic & Pneumatic Seals

Safwa Company provides hydraulic and pneumatic seals from Claron, Hallite, and Merkel. They protect systems that leverage reciprocating motion. They prevent leakage and keep the machinery safe from damage. Hydraulic seals can withstand high-pressure environment, whereas pneumatic seals are manufactured for less-pressured environment, but the latter is more beneficial in systems that use higher operating speeds. However, both seals tolerate axial motion, sealing in both directions if reciprocating motion is required.



Radial Shaft Seals

The company offers a variety of radial shaft seals from different manufacturers such as; NOK Corporations, F.Ili Paris, National, and Freudenberg Sealing Technologies. The Radial Shaft seals are produced according to modern engineering techniques with high-performing materials.

Seamless Pipes

The company offers two different kinds of seamless pipes which are carbon steel seamless pipes, and stainless-steel seamless pipes. Seamless pipes greatest advantage is that they can withstand high pressure.

Friction Disks

The company offers FMC's friction disks such as brake plates, and transition plate. They are reliable, ensure safety breaking. Not only that, but also, they have a wide range of friction materials from steel, paper, elastomer, carbon, and more.

STAND NUMBER: **1D60** HALL 1

SEAHARVEST FEATURES TECHNOLOGIES FOR FACILITATING OPERATIONS

Since 1999, Seaharvest Oil & Gas has always aimed to be the customer's first choice of innovative tailored solutions and services which implement the latest technologies in the oil and gas industry within the Middle East and North Africa (MENA) region.



Seaharvest is serving under the framework of adding values to all its stakeholders, employees, customers, business partners, stockholders, and the community where it operates. With presence in Egypt, Algeria, Libya, South Africa and Kurdistan region of Iraq, the company continues to provide specialised and customised solutions; aiming to expand globally.

Seaharvest Oil & Gas is owned by 'AFAQ Holding Company,' which operates and invests in 22 global companies in eight different sectors; the oil and gas sector is one of them. Seaharvest has a diversified portfolio which ensures achieving sustainable growth and profits to stakeholders.

We consider our team as one of our biggest assets, thus, we encourage them to develop and grow. Additionally, we stress on values of integrity, honesty, and dedication.

We always aim to offer the utmost level of excellence in our services, by being more customer-focused, widening the

customer network, increasing market intelligence, and updating our customers' information.

The company has achieved numerous success stories, with business partners. Accordingly, we will be exhibiting hand to hand with our world class partners to cover the main operations in the upstream such as drilling, production and maintenance through our four business units:

- » Artificial Lifting Services (ALS)
- » Drilling Solution and Services (DSS)
- » Assists Integrity and Development (AID)
- » Sourcing and Procurement Solutions (SPS)

Seaharvest will participate in EGYPS 2020 to demonstrate to its customers in Egypt and the Middle East and Africa (MEA) region the latest technologies we have to ease and facilitate operations on our customers and ensure meeting their targets with efficient cost

STAND NUMBER: **3E50** HALL 3

ALL YOU NEED TO KNOW

EGYPS 2020 OFFICIAL OPENING AND SHOW TIMINGS

EVENT TIMING	DAY 1 Tuesday 11 February	DAY 2 Wednesday 12 February	DAY 3 Thursday 13 February
Opening Ceremony (by invitation only)	10:00 - 12:00		
Exhibition – Open to visitors	12:00 – 19:00	10:00 – 19:00	10:00 – 19:00
Strategic Conference	14:00 – 18:00	10:00 – 15:30	
Technical Conference	14:00 – 17:00	10:00 – 17:00	10:00 – 15:30
HSE in Energy Conference & Awards Ceremony		09:00 – 17:30	
Women In Energy Conference & Awards Ceremony			09:00 – 17:00
Finance & Investment Summit			10:00 – 16:00
EGYPS Petroleum Club	14:00 – 19:00	10:00 – 19:00	10:00 – 19:00
Gala Dinner (by invitation only)	19:30 onwards		

5 DEDICATED CONFERENCE STREAMS INCLUDE:



Strategic Conference



Women in Energy Conference & Awards Ceremony



Finance & Investment Summit



Technical Conference



HSE in Energy Conference & Awards Ceremony

REGISTER FOR THE 2020 CONFERENCES

3

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TGT: YOUR WAY FOR TRUE FLOW, TRUE INTEGRITY

There are over three million oil and gas wells operating globally, connecting us all to the hydrocarbons that we use every day. Each well can cost from \$1-100 million for construction and for being able to perform 24/7 for up to 30 years. Throughout these years of operations, these wells would be able to endure extreme conditions to transport pressurised, often volatile fluids, safely and productively, and without any compromises.

However, we live in an imperfect world. Despite exerting the best efforts of employees, and using best in-class materials, wells can break. Hence, oil



and gas operators need to be super vigilant because any failure will lead to lower productivity, or potentially lead to catastrophic outcomes; harming people

and the planet. Accordingly, operators need to carry out regular surveillance to track well performance and diagnose failures, so, any repairs needed can be done quickly.

But diagnosing total well system performance is challenging. Resembling giant underground plumbing systems, these complex arrays of metal tubes, cement, seals and protective 'barriers' hide many secrets, most of them is beyond the reach of ordinary diagnostic solutions. Nevertheless, we look at wells differently, and with our diagnostics, we can see more accurately and completely, in addition, we can provide more insights to help operators

anticipate how wells are working to make better informed decisions to keep wells safe, productive, and profitable.

During EGYPS 2020, our team plans to explain how managing wells successfully boils down to managing two critical well functions; flow and integrity. Furthermore, our team will demonstrate our complete range of diagnostic systems and products in our two main domains; True Flow and True Integrity. We promise you to have a unique and rewarding experience with us, and look forward to meeting you at our booth.

STAND NUMBER: 3F71 HALL 3

TRICOM PROVIDES EXCEPTIONAL CUSTOMER SERVICES

Tricom Controls & Services is an Egyptian shareholding company, and a member of Triangle group. They offer customised, and fully engineered process automation, instrumentation, and electrical solutions. They work towards providing exceptional customer services, as well as after-sales support.



Automation and Control Systems (ACS)

Tricom offers a variety of ACS which have the ability of monitoring, controlling, and performing all required operations while collecting and communicating vital information.

The ACS systems are like; Programmable Logic Controllers (PLCs), Distributed Control Systems (DCSs), and Emergency Shutdown Systems (ESDs).

They also advance in having systems that ensure safety in all levels; such as Integrated Control and Safety systems (ICSS), (SCADA), (RTUs), and Fire and Gas Alarm and Detection systems.

Electrical

In the electricity field, Tricom offers a variety of services such as; type Tested LVSWG, Integrated Prefabricated Mobile Power Modules, Motor Control Center, St. St. LV Panels up to IP65, Power Factor Correction Panels, Generator Control and Synchronisation Panels, Automatic Transfer, Switch Panel, Gas Generators, Industrial UPS and Battery Charger Solutions, and Explosion Proof Product.

Field Solution

Tricom offers different instrumentations for measuring different physical quantities. These instrumentations include; Field and Panel Instrument, Liquid Analyser, Process Gas Analyser, Gas Chromatography, Continuous Emission Monitoring Systems – CEMS, Control Valves, Metring Skids and Pressure Reducing Station, Burner Management, Steam and Water Analytical Systems – SWAS, Fire and Gas Detectors, Hook-up and Accessories.

Services, Activities

Tricom offers service activities in different fields. In engineering, they offer design programming, HMI graphics, system and marshaling panels staging, and testing and documentation.

In project management, they offer planning and controlling project's activities. They also offer services in turnkey E&I installation works, commissioning and start Up, manpower supply, maintenance contracts, and training courses.

STAND NUMBER: 3F10 HALL 3

DNV GL OFFERS A GLIMPSE OF ITS TECHNICAL EXPERTISE

As a technical advisor to the oil and gas industry, DNV GL provides best practices for safe, reliable, and high-performing projects and operations by drawing on more than 150 years of deep technical experience. As a proof of our commitment, we have been supporting our clients in Egypt for over four decades.

EGYPS 2020 represents an opportunity for our experts from Egypt and other countries to share their expertise. This is going to be through providing free technical briefings and several masterclasses on a wide range of topics, such as:

- » Process Safety Management (PSM)
- » Hydrocarbon Metring Management
- » Health, Safety and Environment (HSE) in Downstream
- » Remote Survey Technology
- » Life Extension of Fixed Jacket Structures
- » Asset Integrity Management for Refineries
- » The Energy Transition Outlook
- » Pressure Safety Valves

Moreover, DNV GL provides its thought-provoking research; such as the Energy Transition Outlook and/or annual survey of top oil and gas industry executives. Visitors to our stand can gain access to these techniques and learn more about them through our briefings and our experts. We will be pleased to answer any questions about our services and how they can help improve your projects and operations.



It is worth noting that our broad portfolio of advisory and independent third party services include risk management advisory, technical advisory, technical assurance including certification, verification and inspection, Noble Denton marine services, offshore classification, and digital solutions.

In fact, Egypt has a bright future as an energy hub in the energy transition. DNV GL is proud of being a strong partner in building trust and confidence in the development of Egypt's oil and natural gas infrastructure. Thus, you are welcomed to our stand at EGYPS to learn more about how we can help you.

Kindly note that some of our sessions require registration in advance. For more details, please visit our event webpage: dnvgl.com/EGYPS.

STAND NUMBER: 2A10 HALL 2



VISIT US AT EGYPSS 2020
Stand Number (2H58) Hall2

WILD WELL: SPECIALIZED INTERVENTION EQUIPMENT ON DISPLAY IN EGYPT

Wild Well has expanded its operations with dedicated specialized well intervention equipment located in Egypt. The unconventional intervention services of Freeze, Hot Tap, and Valve Drilling equipment will be showcased at EGYPSS.

The specialized equipment highlight the challenges clients face to gain controlled access to inoperable valves or flanges when pressure is present. The Unconventional Intervention service line's goal is to provide clients with safe well access while maintaining pressure control. These systems allow for the placing of temporary mechanical barriers when circumstances do not allow for conventional intervention methods. The intervention kit in Egypt includes a 15K Valve Drilling package, a medium pressure Hot Tap package (rated for 5000 psi or less), and a Cryogenic Freeze package to meet the regional needs.

Visit Wild Well experts at EGYPSS to learn more about this equipment and how Wild Well provides expert emergency response, well control, engineering, and training solutions to meet the industry's ever-changing needs with advanced modeling capabilities and an unconventional intervention approach.

www.wildwell.com

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SHUTTLE BUS FROM HOTELS TO THE VENUE

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

SHUTTLE BUS FROM THE VENUE TO HOTELS

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

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