





NEWS

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Official Publication

EGYPS 2022 - THE BEATING HEART OF THE REGIONS OIL. GAS AND ENERGY INDUSTRY

EGYPS a Gateway for Cooperation Opportunities

Under the auspices of His Excellency President of the Arab Republic of Egypt Abdel Fattah El Sisi, the fifth edition of the Egypt Petroleum Show (EGYPS 2022) kicks off to connect the global energy market's major players, all under one roof.

Living up to its theme "North Africa and the Mediterranean: Delivering Energy Today", this year EGYPS has opened its doors against all odds and in defiance of all pandemic-related obstacles to deliver immediate results in being the industry's catalyst.

With the participation of over 450 exhibitors and 26,000 expected visitors, it is self-evident that EGYPS is a unique place where oil and gas ties are developed, business is conducted, and professionals are able to network and share industry expertise and knowledge.

EGYPS plays an essential role in the Ministry of Petroleum and Mineral Resources' efforts in developing and modernising the country's booming sector by attracting not only the industry's muscle and money, but the innovative minds and youthful energy that will drive Egypt's energy sector forward.

Aiming to target youth, the EGYPS Youth Engagement Programme and the EGYPS Young Professionals programme are two interesting initiatives, sponsored by ExxonMobil and Petrojet, that will take place to prepare tomorrow's generation to take control as the industry moves forward.

Adding to the engaging experience that the exhibitions will offer visitors, this year's show will feature a host of stimulating roundtable discussions, conferences, and panels, addressing a range of different issues concerning all areas of the industry. These include the Strategic Conference, Technical Conference, Finance & Investment Summit, HSE in Energy Conference, and Equality in Energy Conference. Some of these events will witness the participation of the industry's most important figures, including H.E. Minister of Petroleum & Mineral Resources Tarek El Molla. It will also include the East Mediterranean Gas Forum's (EMGF) Secretary General Osama Mobarez, the International Energy Agency's (IEA) Executive Director Fatih Birol, and many more.

At the centre of all of this, discussions at EGYPS will revolve most notably around digitalisation and digital transformation, which have become the essential ingredients for progress. At this edition of the show, EGYPS will also be hosting the Digitalisation in Energy Zone, sponsored by Enppi and Esri, offering a platform for exhibitors to showcase a wide variety of digital innovations and technological solutions that aim to transform the sector.

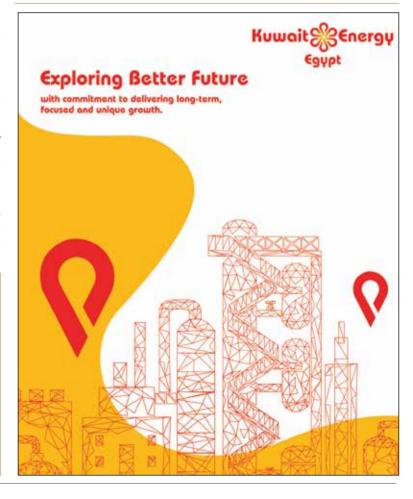
In the past two years, many achievements have been fulfilled. The Egyptian oil and gas sector has managed to boost investment climate and achieve unprecedented records of foreign and national investments in the oil & gas sector allowing us to increase our contribution to the national economy.

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

In recognising the importance of reducing carbon emissions and building upon Egypt's commitment to The Paris Agreement, EGYPS also brings a number of inspirational roundtables, tackling topics such as hydrogen production, sustainable energy financing, and the essential elements of the energy transition.

This year those who have had notable accomplishments in various fields will receive the recognition and appreciation that they deserve. To this end, EGYPS will be giving out the Global HSE Excellence in Energy Awards, Global Finance &Investment Awards, and Global Equality in Energy Awards.

With the world recovering from the economic fallout of the global pandemic, EGYPS is committed to moving forward with its agenda to build on the rapid development of Egypt's energy sector, taking all necessary safety precautions for the benefit of both visitors and exhibitors. This year, as EGYPS opens its doors to new visitors, it also seeks to open new windows of opportunity and the way to a better future.



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EGYPS 2022 REVEALS INVESTORS' CONFIDENCE IN THE PETROLEUM SECTOR AN INTERVIEW WITH H.E. EGYPTIAN MINISTER OF PETROLEUM AND MINERAL RESOURCES TAREK EL MOLLA

As EGYPS 2022 comes back with many contributors and reflects our partners' trust, how did the ministry manage to gain the trust and attract these investors?

The Ministry of Petroleum and Mineral Resources has continued its efforts to reduce arrears to IOCs to motivate IOCs to pump more investments and intensify exploration and discovery activities. This will act as a catalyst to develop new discoveries that will thereby boost production. Through these efforts, the Ministry has successfully ensured compensation for arrears to IOCs from previous periods. Hence, arrears to IOCs were reduced by 87% to \$845 million by the end of June 2021, in comparison to \$6.3 billion in 2011.

Throughout the year, Egypt managed to make new discoveries and attract investments. Could you share with us some of the highlights of 2021?

The sector made 52 discoveries, including 39 crude oil discoveries and 13 gas discoveries, in the Western Desert, the Gulf of Suez, the Mediterranean, Sinai, and the Eastern Desert.

Thanks to the sector's commitment, seven petroleum agreements were signed with a total signature bonus of \$16 million, minimum investments of \$1.223 billion, and the drilling of 14 wells. Moreover, 17 development leases with a signature bonus of \$7 million for the Eastern Desert and the Western Desert were signed. Also, all necessary measures are being taken to finalize 11 petroleum agreements with a total signature bonuses of \$177.3 million and minimum investments of \$3.5 billion; in addition to the drilling of 39 $^{\circ}$

With new discoveries and investments in 2021, how did our production of oil and gas in Egypt look like?

In 2021, production in the petroleum sector reached 82.4 million tons of oil equivalent (mmtoe), including 28.3 million tons of crude oil and condensates, 53.1 million tons of gas, and 1 million tons of butane (not including butane production from refineries and investment companies). Petroleum production rose by 8.4%, while natural gas production increased by 17.2% compared to 2020.

On the other hand, liquefied natural gas exports have made Egypt one of the leading Arab countries that have achieved the highest growth in natural gas export volume during Q3 of 2021, with natural gas exports reaching 1 million tons. This is a 900% increase in comparison to the same period in 2020.

And after an eight-year pause, Damietta's gas liquefaction plant has become fully operational again and has resumed its essential role in liquefying natural gas exports.

Throughout 2021, the oil and gas sector managed to successfully complete several projects. Could you highlight some of the production and development projects that were completed in 2021?

Six projects for the development of oil and gas fields have been implemented and completed, with a total investment of about \$4.2 billion. Egypt completed the development of the North Alexandria and West Nile





THE MINISTRY OF PETROLEUM AND MINERAL RESOURCES HAS CONTINUED ITS EFFORTS TO REDUCE ARREARS TO IOCS TO MOTIVATE IOCS TO PUMP MORE INVESTMENTS AND INTENSIFY EXPLORATION AND DISCOVERY ACTIVITIES.



Delta fields (the third phase – the Raven field) – in the Mediterranean. This project aims to produce 850 million cubic feet per day (mcf/d) of gas in addition to 24,000 barrels per day (b/d) of condensate. This is set to be achieved through drilling 8 new offshore wells and establishing onshore treatment facilities with a capacity of 900 mcf/d and investments of around \$4 billion.

The implemented projects further include the one to complete the development of North Sinai fields (the third phase). The project aims to produce quantities of natural gas amounting to about 45 mcf/d by drilling three wells, with the manufacturing and installation of three offshore platforms and linking them to the main pipeline, with investments of around \$87 million. We also worked on the expansion of the treatment facilities in the Atoll field, which aim to recover 5 mcf/d of flare gas by constructing a condensate treatment unit, a gas recovery unit, tanks, and a treated condensate line with investments of about \$43 million.

The oil and gas sector also saw the Northwest Seas Gas Exploitation Project (General Petroleum Company). The project aims to produce about 15 mcf/d of gas, 200 b/d of condensate, and 50 tons of propane and butane per day through 4 wells and connecting them to one of the processing plants to maximize the return, separate products, and push the





remaining gas into the national grid through the construction of an 8-inches diameter pipeline, with a 15 km length. The project cost around \$16.3 million in investments.

As the EMGF is gaining more momentum, how did the oil and gas sector contribute to Egypt's leading role in the Eastern Mediterranean region?

Egypt initiated the idea of the Eastern Mediterranean Gas Forum (EMGF) two years ago during the tripartite summit between Egypt, Cyprus and Greece on the island of Crete. The idea was widely accepted by most of the countries in the region, whether producers, consumers or transit countries.

On July 6, 2021, the Egyptian government signed the forum headquarters agreement with the EMGF, which was approved by the House of Representatives in its session on November 2, 2021. In addition to the launch of the forum's website, 2021 witnessed the nomination of the Egyptian Osama Mobarez as the first Secretary-General of the forum for a period of three years, starting from January 2022.

since its launch, the forum has attracted global interest, represented in the desire of several countries such as France, the United States and the United Arab Emirates, to join the forum. While France joined as a member, the United States of America, the European Union and the World Bank participated as observers. In addition, many international companies and entities took part in the forum through the Gas Industry Advisory Committee launched in November 2019 to allow effective cooperation between the governments of the member countries and the gas industry leaders in the region. The EMGF's participants have reached 32 of the largest companies and international entities.



THANKS TO THE SECTOR'S COMMITMENT, SEVEN PETROLEUM AGREEMENTS WERE SIGNED WITH A TOTAL SIGNATURE BONUS OF \$16 MILLION, MINIMUM INVESTMENTS OF \$1.223 BILLION, AND THE DRILLING OF 14 WELLS.

What does Egypt plan for the upcoming period?

We are interested in having an opportunity to maximize the value of our current resources, such as natural gas, which is considered a fossil fuel yet is an important factor in the energy transition. Natural gas emissions are less harmful than those of typical fuels and coal. At the same time, we are committed to the Paris Agreement and the UN Framework Convention on Climate Change, and we are committed to reducing greenhouse gas emissions. Therefore, we are only asking for reasonable and doable measures for the outcome of decisions made in climate summits to have a reasonable timeframe.

In 2016, the Egyptian petroleum sector started an ambitious program aiming at comprehensively updating and modernizing the sector in order to increase its contribution to the comprehensive development of Egypt. Could you share with us some of the recent updates on the sector's Modernization programme?

In 2021, many achievements have been fulfilled in this regard. The sector managed to boost investment climate in oil and gas exploration and production (E&P) allowing giant IOCs to enter E&P field in Egypt for the first time such as ExxonMobil and Chevron. Also, there are other companies working in Egypt such as Eni, BP, Apache and others, which continue to pump investments confirming their continuous trust in the Egyptian

petroleum sector. This comes as the petroleum sector has used new solutions to promote its E&P opportunities. On 17 February, the Egypt Upstream Gateway (EUG) was launched to provide all needed geological data for the companies interested in investing in Egypt.

We also launched the Mop Stations application, which is the first of its kind, to find the locations and places of the fuel supply stations. It can be used by all types of smart mobile phones. Also, an electronic system has been launched to control and follow up the trade and distribution of butane locally at all its phases to monitor the transported quantities.

In the frame of enhancing the performance of NOCs, reducing expenses, and maximizing the benefits of sector's assets and resources, some companies working in the same activity, have been merged such as the merge of companies Gas Regions, Sinai Gas, and Cairo Gas under the name of Modern Gas as well as the merge of Khalda Petroleum Company and Qarun Petroleum Company.

Which initiative does Egypt plan to highlight in COP27?

We have several initiatives we are preparing like carbon-capturing, utilization, energy efficiency, which are among the initiatives we would like to highlight in COP27.

How does Egypt coordinate its efforts with international partners regarding COP27 preparations?

I held a series of key meetings with the world's energy leaders at the UN Climate Change Conference COP26 in Glasgow. For instance, I met with the US Secretary of Energy Jennifer Granholm to discuss energy cooperation. In addition, I participated in the Net Zero World Initiative, launched by the

During a ministerial panel discussion, U.S. Special Presidential Envoy for Climate John Kerry praised Egypt's efforts to combat climate change as well as its key role at relevant conferences and initiatives. He stressed U.S. support for Egypt, especially in the fields of capacity building and technological applications.

Most importantly, I had a meeting with the European Union's (EU) Commissioner for Energy Kadri Simson. This meeting mainly reviewed ways of cooperation with the EU to support Egypt's hosting of the upcoming COP27. The energy cooperation between Egypt and the world powers, such as the US and EU, would contribute to making this Climate ChangeSummit a success, as most of the discussions and negotiations in this event revolve around the pivotal role of energy in driving the global climate pledge. It can be said that these discussions helped in forming a clear vision for Egypt's future energy strategy.



LIQUEFIED NATURAL GAS EXPORTS HAVE MADE EGYPT ONE OF THE LEADING ARAB COUNTRIES THAT HAVE ACHIEVED THE HIGHEST GROWTH IN NATURAL GAS EXPORT VOLUME DURING Q3 OF 2021, WITH NATURAL GAS EXPORTS REACHING 1 MILLION TONS.







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Hall 2 - Booth # 2F40

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WELCOME FROM THE ORGANISER OF THE EGYPT PETROLEUM SHOW

I would like to extend a very warm welcome to the fifth anniversary edition of the Egypt Petroleum Show (EGYPS) North Africa and the Mediterranean's largest oil, gas and energy exhibition and conference.

Under the theme "Delivering Energy Today", EGYPS gathers global and regional stakeholders to discuss developments and trends that will influence the strategies of companies investing and operating in the region, and will showcase the latest oil, gas and energy innovations and technologies.

We are honoured to host EGYPS under the high patronage of His Excellency Abdel Fattah El Sisi, President of the Arab Republic of Egypt with the support of the Ministry of Petroleum and Mineral Resources, set to welcome over 26,000 oil, gas and energy industry professionals from across the world to connect, network and do business with more than 450 regional and international exhibiting companies from more than 28 countries. The exhibition features 25 NOCs, IOCs and IECs and 7 International Country pavilions displaying innovative technologies, and industry solutions spread across 39+ product categories covering the entire oil, gas and energy value chain.

The two-day Strategic Conference brings together 11 global Energy Ministers, 9 Secretary Generals and 25 CEOs and Presidents from regional and international producing, consuming and transit countries to discuss and deliberate the reshaping of markets and the world's future energy mix. The programme includes global business leader panels, keynote addresses and strategic roundtable discussions where NOCs, IOCs, service providers, EPC contractors, industry-leading financiers and international government officials will be discussing the future of Egypt, North Africa and Mediterranean's oil, gas and energy sector.

The 40 Technical Conference sessions thoroughly prepared by 80 members of the Technical Committee, spread over three days, will host 150 expert speakers from across the world, covering 17 different categories across upstream, midstream and downstream sectors of the industry value chain. Whether you would like to learn how to achieve cost efficiency, reduce production deferment, effectively deliver capital oil and gas projects, apply agile project assessment models or learn about advanced process control in refineries, alternate feedstock options for petrochemical import substitution or financial models of biodiesel production, the EGYPS 2022 Technical Conference

The one-day Finance & Investment Summit will bring together key oil, gas and energy influencers and decision-makers to address the changing structure and nature of the industry's financial landscape with focus on Egypt, North Africa & the Mediterranean as well as the future investment opportunities that will catalyse Egypt's transformation into energy hub of the Mediterranean.

As Egypt is rapidly paving its way towards becoming a regional energy trading hub, HSE has become one of the major areas of focus of the Ministry of Petroleum & Mineral Resources modernisation programme. It is against this backdrop that we have expanded the HSE in Energy conference, addressing the most pressing and relevant issues ranging from safety culture, the role of leadership in HSE and raising employees' awareness to the process safety and environmental sustainability. The HSE Excellence in Energy Awards acknowledge the best environmental and health & safety projects, as well as the best leader within health, safety and the environment.



Salman Abou Hamzeh Vice President - Middle East

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Returning for its fourth edition is the Equality in Energy Conference and Awards Ceremony hosting Keynotes and panels that focus on advancing inclusion and diversity within the industry, creating diverse and inclusive workspaces, and engaging with young talent to build a robust industry of the future. Also returning is the third edition of the Equality in Energy Awards ceremony honouring talent across technical and non-technical functions.

On behalf of dmg events and the EGYPS 2022 team, I would like to take this opportunity to thank His Excellency Tarek El Molla, Minister of Petroleum and Mineral Recourses for his guidance, stewardship and global leadership in delivering this critical convening power event for the region and for the world's oil, gas and energy Industry. I would also like to extend a very warm welcome to all our exhibitors, sponsors, speakers, delegates and visitors.







MEET 44 NOCS, IOCS, IECS, EPCS AND 7 COUNTRY PAVILIONS AT EGYPS 2022

























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BUILDING MOMENTUM IN EGYPT'S ENERGY SECTOR AN INTERVIEW WITH DAVID CHI, VICE-PRESIDENT OF APACHE CORPORATION AND COUNTRY MANAGER FOR APACHE IN EGYPT

DIAMOND SPONSOR

With a history of working in Egypt for two and a half decades, Apache is not only one of the country's biggest investors, but it is also a major force that drives Egypt's modernisation efforts. David Chi, Vice-President of Apache Corporation and Country Manager for Apache in Egypt, offers insight into how his company has contributed to Egypt's energy sector.

Apache has been in Egypt for 25 years. What is the latest significant project that Apache is working on?

Apache has been a committed partner to Egypt and Egyptians for more than 25 years, and we continue to see tremendous opportunities here. We have relied on innovation, technology, and our talented team to improve efficiency as we explore for and develop oil and gas, maximise Egypt's energy resources, and help modernise Egypt's energy industry. We are very excited about future opportunities, and the recently signed modernised Production Sharing Contract (PSC) will encourage new projects and investment. The modernised PSC is a win-win for Egypt and Apache; it incentivises increased investment and production, placing Egypt at the top of many attractive investment opportunities in our global portfolio. The PSC also reinforces Egypt's commitment to responsible economic development and public-private partnerships and will accelerate impactful ESG initiatives aligned with our focus areas of air, water, communities and people.

In addition to Apache's investments in oil and gas, we are committed to continue our investments in Egypt's future in other ways by supporting education, healthcare and the most vulnerable communities.

What are Apache's plans for the upcoming period?

We continue to advance robust oil and gas developments in Egypt, the U.S. and the North Sea. Our parent company, APA Corporation, has subsidiaries with exploration activities offshore Suriname and some very early work offshore the Dominican Republic.

In Egypt, we doubled our drilling rig count in 2021 to 11 and are planning a further increase to 15 rigs in 2022. We expect production to increase 13-15% in 2022. We continue to focus on meeting the world's energy needs in a responsible and efficient way, all while creating value for our shareholders, promoting the

economic development of our host nations and improving energy security.

What are Apache's efforts to support emissions reduction and enhance production efficiency?

We want to be a leader in ESG – that's why we're pursuing near-term goals and tying these goals to all employee incentive compensation. We want to get to work now to make these reductions and targets a reality.

In 2021, we announced a goal to eliminate routine flaring across our U.S. onshore operations. We achieved the goal early, at the end of the third quarter last year. We will not bring new U.S. onshore production online without adequate infrastructure to carry product to processing plants and points of sale. This helped reduce our methane intensity in the U.S. by less than 1 percent. We accomplished this thanks to a collective leadership decision and setting forth clear objectives.

In fact, earlier this month we approved new ESG goals for the corporation. These goals include all employee incentive compensation linked goals directly related to our operations and emissions in Egypt.

Specifically, we have set an aggressive goal to reduce routine flaring by 40% by the end of the year. We also plan to fully eliminate it ahead of the 2030 World Bank timeline.

We are working on several additional initiatives this year including a significant reduction of diesel usage.

How can Apache promote Egypt to become a regional energy hub?

Egypt is in a great position. It has abundant natural resources, a strategic location and willing leadership - all key components to help make Egypt's aspiration of being a regional energy hub a reality and provide energy to help elevate lives across the globe. We commend Egypt's Minister of Petroleum and Mineral Resources, H.E. Tarek El Molla, for his vision to modernise Egypt's oil and gas industry. Modernisation will open countless opportunities in the country. Additionally, under the Minister's leadership during the pandemic, Egypt accomplished an outstanding goal by establishing the East Mediterranean Gas Forum (EMGF). The EMGF will serve as the main platform for cooperation and promotion



of the energy hub concept in the East Mediterranean region.

Egypt's leadership role in MENA and the Mediterranean region makes it well-suited to serve in the capacity of an energy hub and meet long-term demand in the Mediterranean, Africa and other markets such as Europe. Egypt serving as an energy hub in the region will bring nations together and should provide greater political stability and access to prosperity for all.

As the leading oil producer and a key natural gas producer in Egypt, Apache can contribute to regional energy stability access in many ways. Particularly important is our ability to continue delivering top notch performance while discovering and developing energy in an efficient, sustainable manner. This is the foundation for Egypt to solidify its position as a regional energy hub.

What do you look forward to at EGYPS 2022 and will Apache benefit from such an event?

The EGYPS Petroleum show is an exciting opportunity to hear from other companies and leaders to discuss the future of the energy industry in Egypt. At this year's show, we're excited to highlight two areas very important to us – safe operations and the advantages of a diverse team – by sponsoring the HSE Best Project of the Year Award and the Nex-Gen Female of the Year Award

STAND NUM.: 3A50 HALL 3





14 - 16 FEBRUARY 2022 | EGYPT INTERNATIONAL EXHIBITION CENTER

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ABOUT THE DIGITALISATION IN ENERGY ZONE



14-16 FEBRUARY 2022

Over the last few years, the oil and gas industry in Egypt is facing intense pressure to adapt and improve operational efficiencies as oil prices continue to fluctuate. Under the country's Modernisation Programme, Egypt has been preparing the foundations of a modernised oil and gas sector based on fundamental pillars, including leveraging the enablement of digitisation to respond to challenges in the market.

Zone Sponsor

Enppi

Headline Sponsor



The recent emergence of the coronavirus (COVID-19) pandemic has highlighted that digitalisation in the oil and gas sector has become a necessity as opposed to a mere option. According to the experts, digitalisation is already improving the safety, productivity, accessibility, and sustainability of energy systems, and it is changing markets, businesses and employment. However, newer projects have had to make way for smarter working methods that will allow existing operations to continue.

With more and more oil and gas companies recongnising the need to include digitalisation in their operations, EGYPS 2022 hosts an exclusive Digitalisation in Energy Zone for exhibitors to showcase their digital innovations and talk about innovative technologies transforming businesses.

EXHIBITOR PROFILES INCLUDE































DAY 1, MONDAY 14 FEBRUARY 2022

14:30 - 15:00 Location Intelligence in the Oil & Gas Industry



Ahmed Eissa Esri North Africa

15:10 - 15:40 Integrated Engineering and Digital Solutions



Manar Hela



Sherif Sayed





Mohamed Elbadry ENPPI

15:50 - 16:20

Using a Combination of Artificial Intelligence with Traditional Reservoir Engineering Physics to Optimize Production in a Mature Waterflood.



Sergey Abramochkin Tachyus

16:30 - 17:00

Using ESP Sensors to Calculate 2-Phase Flow in Real Time - Case Studies



Aly Ashry
Oilfield Data Services Inc

17:10 - 17:40

Applying Location Intelligence for Incident management and emergency response within HSE Operations



Quality Standards for Information Technology



Quality Standards for Information Technology

17:50 - 18:20

Geo-Gas Information Management System



Shahy Noor Hussein EGAS

18:30 - 19:00

OT/IT Convergence and Data Integrity: Real Life Example on Gas Lift



Imad Bendjedia KMT for Industrial Services







15-16 FEBRUARY 2022

FOSTERING YOUTH, RESHAPING THE **ENERGY SECTOR OF THE FUTURE.**

The 3rd edition of the EGYPS Youth Engagement Programme continues to provide a learning platform, engaging with high school students within the framework of STEM Education, focusing on Science, Technology, Engineering and Mathematics to ultimately encourage them to the pursuit of pursue careers in the oil and gas industry.





Zone Sponsor









14-16 FEBRUARY 2022

BRINGING TOGETHER THE PASSION AND TALENTS OF YOUNG PROFESSIONALS

The programme provides industry students with clear insights of the industry they are about to join, enabling them to return to their universities and colleges with positive messages to relay to their fellow students. In addition, the students will be able to exchange their opinions, meet young industry professionals and share viewpoints with top executives from the world's leading oil and gas companies.

VISIT THE YOUTH ENGAGEMENT ZONE IN HALL 1





SCH

MONDAY 14 FEBRUARY

09:00 - 10:00 5th Anniver

Opening Ceremony

Keynote address

Special Focus Ministerial and policy panel discussion

13:30 - 14:10

The road to recovery and new market dynamics Enabling recovery through regional cooperation and energy transition

14:10 - 14:50

The road to recovery and new market dynamics Producer and consumer collaboration ensuring energy prosperity, stability and supply

14:50 - 15:40

Global Rus

Net-zero: Shifting traditional paradigms 15:40 - 16:30

Global Rus

Leaders Session Modernising global energy dialogue for ndustry transformation

17:00 - 18:00

Strategic Roundtable

Discussions

Hydrogen production,
storage, transportation,
and trading

Driving downstream
expansion

Accelerating energy
transition

Sustainable energy
financing

TUESDAY 15 FEBRUARY

10:30 - 11:30

Global Business

Unlocking energy independence through connected oil and gas markets

11:30 - 12:30

Global Business

Natural gas as a catalyst of the low-carbon transition

13:30 - 14:30

Global Business

The shifting downstream landscape

14:30 - 15:30

Global Business Leaders Session

Connected energy ecosystems: billion-dollar savings 15:30 - 16:30

Minister Interview

Egypt: powering from strength to strength

Welcome

Keynote Latest to aid physical mental and

10:00 - 10:10 | 10:10 - 10:25 | 10:25 - 10:40

Keynote Reducing carbon footprint and suring more climate conscious oil and gas operations

10:40 - 11:25

Panel strategic priorities

11:45 - 12:10

Fireside chat Leadership strategies to ensure oil and gas companies are well prepared for the energy transition

12:10 - 13:00

Environmental sustainability as the way towards a zero carbon future

14:00 - 14:50

Panel Ensuring employees' health and wellbeing within the entire oil and 14:50 - 15:25

Fireside chat Technology and digitalisation as HSE catalysts within the oil

15:25 - 16:15

Live OSA The role of HSE eadership in the

TUESDAY 15 FEBRUARY HSE IN ENERGY

and opening remarks

strategies and programmes ocial welfare of people

Setting up within HSE

and gas sector gas value chain

post-pande mic world

16:45 - 17:45

Global HSE Excellence in Energy Awards Ceremony

TUESDAY 15 FEBRUARY FINANCE 8 INVESTMENT 10:00 - 10:15

Ministerial Reactivating global economies through pioneering fiscal policies 10:15 - 10:30

Global Finance & Investment Awards Ceremony

10:30 - 11:15

Bolstering international partnerships to boost energy nvestments and support project financing

11:15 - 12:00

anel discu Forward-looking financial strategies for the energy industry

12:00 - 13:00

Panel Advancing digital investments in the energy industry for cost efficiency and resource optimisation

14:15 - 14:45

anel discussio Unlocking energy markets of the future: nvestments and regulations to support the hydrogen economy

14:45 - 15:30

ireside chat Risks, returns and regulations 15:30 - 16:15

Panel discussio

Accelerating sustainable investments: challenges and opportunities in the path to net-zero

10:15 - 10:30

Global Finance & Investment Awards Ceremony

WEDNESDAY 16 FEBRUARY EQUALITY IN ENERGY SESSIONS 10:00 - 10:15

Opening keynote address Equality - the evolving framework for global economic development

10:15 - 11:00

Panel discussion The equality boardroom: Creating successful energy businesses of the future

11:00 - 11:30

Fireside chat Gender mainstreaming as an enabler of global equality

11:30 - 12:15 Panel discussion

Being responsible employers: The significance of shifting from empowerment to equality and nclusive diversity in the energy

industry

12:15 - 13:15

Lightning talks and O&A Focused 10-minute

10-minute presentations highlighting energy company strategies to achieve gender equality, inclusion and diversity in their businesses

14:00 - 14:45

Panel discussion Women and men as enablers of the clean energy transition

14:45 - 15:30

Panel discussion Empowering women's

economic participation through receptive policies

16:00 - 17:00

Global Equality in Energy Awards Ceremony



NCES

17 TECHNICAL CATEGORIES

Oil and Gas Field

Oil and Gas

Concession

Development (FD)



냽

Upstream: Exploration of Conventional Resources (CONV)

Completions

(COMPL)



Upstream: Exploration of Unconventional Resources (UNCONV)



Gas/LNG Processing, Transportation, Operations and echnology (GAS)





Health, Safety and Environment (HSE)



Operational Excellence (OpEx)





People and Talent Development (PPL)



Geoscience:

Upstream

Technology

(GEOT)

(MAR)

Developments

Offshore and Marine Technology

and Operations

Downstream: Petrochemicals Technology and Operations (PET)

Agreements and Project Finance (FIN)



Biofuels, Alternative Fuels and Renewable Energy (BIO)

Management and Execution (PM)

Drilling (DR)

Proiect



Digitalisation of Oil and Gas (DIGI)



ROOM 4

ROOM 1

Session 1:

Improving

change

ROOM 2

Session 2: Tackling project execution challenges



Session 3 Smart digital solutions

ROOM 3



Session 4: Innovative technologies for field development



MONDAY 14 FEBRUARY

TUESDAY 15 FEBRUARY FECHNICAL SESSIONS

TECHNICAL SESSIONS

14:00 - 15:10



Session 5 Reducing the carbon footprint

sustainability and

tackling climate



Session 6: Efficient project management



Session 7: Optimisation and efficiency through digitalisation



Session 8: Reservoir engineering case

16:20 - 17:50



Session 9: Offshore and marine technologies



Session 10: Economic trends within oil and gas



Session 11: Successful digital transformation case studies



Session 12: New norms for people development

10:00 - 11:30



Session 13: Advancements in downstream refining



Session 14: Operational innovations in Gas/LNG



Session 15: Innovative drilling solutions



Session 16: Upstream . geotechnology developments

11:30 - 13:00



Session 17: Improving downstream economics



Session 18: Tackling gas processing challenges



Session 19: Mitigating well engineering challenges



Session 20: New technology case studies

14:00 - 15:30



Session 21: Shift towards downstream sustainability



Session 22 Biofuels and synthetic fuels advancements



Session 23 Novelties in completions technologies



Session 24 Tapping into unconventional reservoirs

15:30 - 17:00



Session 25: Petrochemical supply chain management and new technologies



Successful renewable energy projects



Addressing completions challenges



Session 28: Technology applications for unconventional exploration

10:00 - 11:30



Session 29: Innovation within



Session 30: Asset maintenance and integrity



Session 31: Addressing reservoir characterisation challenges

Session 35:

Rock physics

insights



Session 32: Developments in Enhanced Oil Recovery

11:30 - 13:00



Session 33: Successful waste management case studies



Session 34: Reducing costs, enhancing performance



Session 39:



Session 40:

Session 36:

potential of

Unlocking the

mature fields

14:00 - 15:30



Advancements in occupational health and safety

Session 37:



Session 38: Enhancing efficiency and productivity



Innovation in prospect evaluation



Integrated development planning

WEDNESDAY 16 FEBRUARY

TECHNICAL SESSIONS



ABOUT THE STRATEGIC CONFERENCE



Globally, energy transition and the reshaping of markets continue at pace, despite ongoing challenges of the global pandemic and continued restrictions experienced across countries

As the world navigates and operates within this new norm, governments, industries and businesses are actively adapting their forward-looking strategies to ensure rapid economic and industry recovery. As North African and Mediterranean countries continue to strengthen their presence on the international oil and gas map, the East Mediterranean Gas Forum (EMGF) continues to gather pace, with 2021 welcoming France as a new member and attracting in observer status, the US, the World Bank and European Union.

Currently headed by Egypt, the EMGF Member Countries remain committed to jointly developing, monetising and fast-tracking the regions gas market, creating an energy trading hub and cooperating to accelerate regional energy transition studies. With Egypt officially announced as the hosts of COP27, the Egypt Petroleum Show, taking place in Cairo from 14-16 February 2022, convenes at a critical time in the industry's ongoing recovery and transition.

At this pivotal time of change and opportunity, the Strategic conference is set to gather global leaders from the energy value chain who will outline their innovative strategies that continue to develop businesses and worldwide energy markets, that consciously contribute to global clean energy goals, whilst creating commercial partnership opportunities.

GLOBAL EXPERTS SPEAKING IN-PERSON



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





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

Honourable John Munyes
EGH, The Cabinet Secretary and

Minister of Petroleum and Mining

International Energy Agency

Secretary General
Union for the Mediterranean





Her Excellency

and Industry

His Excellence

Republic of Cyprus

Secretary General Organization of the Petroleum Exporting Countries (OPEC)

Mohammad Barkindo

Omar Farouk Ibrahim

ecretary General African Petroleum Producers

Organization (APPO)

lohn Christmann

Chief Executive Officer and President

Apache Corporation

Ali Rashid Al Jarwan

Antonio Pietri President and CEO
AspenTech

Sara Akhai

Paul Marsden

President, Energy Bechtel

Manuel Kuehn Senior Vice President Head New Energy Middle East and Africa

Chairman of the Board &

NESR - National Energy

emens Energy

CEO

Chairperson & CEO

CEO Dragon Oil

Dr Saleh Al Kharabsheh

Minister of Energy and Mineral

Natasa Pilides
Minister of Energy, Commerce



Infrastructure United Arab Emirat His Excellency Gabriel Mbaga Obiang Lima Minister of Mines and

His Excellency Suhail Mohamed Al Mazrouei

Minister of Energy and



epublic of Equatorial Guinea His Excellency Chief Timipre Sylva Minister of State for Petroleum Resources

Hydrocarbons



Osama Mobarez Secretary General East Mediterranean Gas Forum (EMGF)



His Excellency 10hamed Hamel Secretary General



Gas Exporting Countries
Forum (GECF)



Chairman and CEO Baker Hughes



Ahmed El Khalifa Undersecretary for Projects Ministry of Petroleum and Mineral Resources



Arab Republic of Egypt Simon Thomson



CFO Capricorn Energy



Chief Operating Officer Wintershall Dea



John Ardill Vice President Exploration



ExxonMobil Senior Vice President Oman, UAE, Iraq and



North Africa Worley Colin Hu President Northern Africa Region



Enterprise Business Group Huawei Technologies Mohamed El Tahan CEO Assistant Technical Affairs Gas Regulator Authority (GASREG)



Anchor CNBC



His Excellency Abdul Salam Baaboud Minister of Oil and Minerals Republic of Yemen



Ahmed Kouchouk Vice Minister of Finance for Fiscal Policy and Institutional Reform Ministry of Finance Arab Republic of Egypt

Dr Houda Ben Jannet Allal

General Director
Observatoire Méditerrar
de l'Energie (OME)

Jean Sentenac

Martin Houston

Vice Chairman

Luc Vandenbulcke

Dredging, Environmental

De la Rey Venter Executive Vice President LNG West & CCUS

Chairman
Suez Methanol Derivatives

and Marine Engineering NV

CEO

(DEME)

Hisham Selim

Company (SMD)

President and CEO





rnard Looney CEO

Dr Fatih Birol

Nasser Kamel

(IEA)

Executive Director



President and Chairman
Egyptian Petrochemicals Holding Company (ECHEM)



Dr Eng Magdy Galal Chairman Egyptian Natural Gas Holding Company (EGAS)



Mathios Rigas CEO Energean



Clay Neff President Middle East, Africa South America
Exploration and Production Company



Eng Alaa Elbatal

CEO



Services Reunited rroberto Folgiero CEO Maire Tecnimont Group



Eithne Treanor Presenter EGYPS 2022



Vice President and CTO Honeywell Performance Materials and Technologies & Honeywell UOP



Aida Araissi CEO Bilateral US Arab Chamber of Commerce



Former Emerging Markets Editor CNN Adjunct Professor NYU Abu Dhabi

Egyptian General Petroleum

orporation (EGPC)





AGENDA - MONDAY 14 FEBRUARY 2022

17:00 - 18:00

Strategic Roundtable Discussions

ROUNDTABLE 1

Hydrogen production, storage, transportation, and trading

Countries worldwide are establishing partnerships to deliver upon scaled up plans to develop hydrogen ecosystems with capacity to advance industry decarbonisation, expand economic diversity and boost industrial development. Considering the sector's infancy, how are governments and energy majors driving forward-looking frameworks and policy changes to fuel the transition to a hydrogen-based economy?



Luc Vandenbulcke CFO Dredging, **Environmental and** Marine Engineering NV (DEME)



Manuel Kuehn Senior Vice President Head New Energy Middle East and Africa Siemens Energy

ROUNDTABLE 2

Driving downstream expansion

With petrochemical, refined and plastic products remaining vital to everyday life, how is the industry continuing to expand its downstream operations and marketing capabilities, whilst at the same time being mindful of forward-looking climate conscious strategies that deploy low-carbon initiatives to decarbonise the downstream value chain?



Ahmed El Khalifa Undersecretary for Projects Ministry of Petroleum and Mineral Resources Arab Republic of Egypt



Andreas Beckers Country CEO Executive Board Member Thyssenkrupp **Industrial Solutions**

Attendee Insights:

A key discussion to gain insights on the global and regional drive to fast-track commercial hydrogen technologies, formulate policy regulations and certifications and define infrastructure capable of carrying and exporting hydrogen safely.

Attendee Insights:

A key session for energy leaders to gain clarity on how the region is embracing sustainable and transformative business models and innovative technologies to expand its downstream sector.

ROUNDTABLE 3

Accelerating energy transition

Coordinated action is required from all industry verticals including governments and citizens to embrace low-carbon alternatives to accelerate the transition into clean energy alternatives from hydrogen and natural gas to hybrid and electric vehicles.



Amru Alabidi Senior Vice President Oman, UAE, Iraq and North Africa Worley



Mohamed El Tahan **CEO** Assistant **Technical Affairs Gas Regulatory** Authority (GASREG)

ROUNDTABLE 4

Sustainable energy financing

As a core pillar of the energy transition, sustainable financing is a global priority. With mounting pressure to comply with climate norms, how can governments and the financial sector work with the energy industry to create the right mix of policies and regulatory frameworks to close the billion-dollar investment gaps and accelerate the transition to net-zero?



Todd Wilcox CEO **HSBC Bank Egypt**



Ahmed Kouchouk Vice Minister of Finance for Fiscal Policy and Institutional Reform Ministry of Finance Arab Republic of Egypt

Attendee Insights:

This roundtable discussion will address policy and industry strategy from organisational restructure to infrastructure that will enable a smooth transition and increased take up of a decarbonised ecosystem providing access to energy for all.

Attendee Insights:

An important session for senior leaders from the government, financial sector, and the energy industry to strategise sustainable investments in the energy value chain through forward-looking policies and investment models.





EGYPT: AN IDEAL REGIONAL ENERGY HUB

AN INTERVIEW WITH WINERSHALL DEA'S COO DAWN SUMMERS

PLATINUM SPONSOR



As a leading force in the global energy sector, Wintershall Dea is a company that is reputable for its ability to maximise the potential of the markets that they work in. Winershall Dea's COO Dawn Summers discusses her company's footprint in the Egyptian petroleum sector and economy as a whole.

As one of the leading oil and gas companies, what are Wintershall Dea's future plans for Egypt?

Egypt is one of Wintershall Dea's established core countries. Right now, we are continuing to work on creating the most value at our producing projects, as an active partner to bp for the major West Nile Delta project, and as operator at our own Disouq concession in the onshore Nile Delta. And we are driving the exploration at East Damanhour in the onshore Nile Delta forward. Besides that, we carefully evaluate new opportunities that fit into our portfolio and our corporate strategy.

What is Wintershall Dea's insight for Egypt's transition into a regional energy hub?

We see several factors that make Egypt ideal for the role of a regional energy hub, especially for new natural gas developments. Egypt is strategically located right at the heart of the Eastern Mediterranean; it has the infrastructure, untapped reserves, and a strong political will.

How does Wintershall Dea bring new technology into its operations in Egypt?

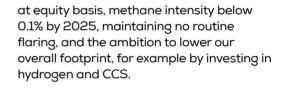
Wherever we are, new technological solutions are at the heart of our operational excellence. Our activities in Egypt are not different. The Exploration Advisory Tool, which we developed together with IBM, is one good example of how we use the power of data to be more efficient. It is an Al-powered search engine that helps our explorationists, for example at our East Damanhour exploration in the onshore Nile Delta, to get quick access to subsurface information and thereby enables them to make better decisions faster.

As there is a global trend for cleaner environment, what are Wintershall Dea's efforts regarding energy transition and emission reduction?

Tackling climate change while meeting rising energy demand is one of the most important challenges of our time. And Wintershall Dea wants to be part of the solution. Therefore, we have set clear targets: Net zero (Scope 1 and Scope 2) emissions from upstream activities by 2030



THE EXPLORATION ADVISORY TOOL, WHICH WE DEVELOPED TOGETHER WITH IBM, IS ONE GOOD EXAMPLE OF HOW WE USE THE POWER OF DATA TO BE MORE EFFICIENT.



And let me quickly add, that we are delighted that Egypt will host the COP27 this year. That provides a great spotlight on sustainability topics in the region.

What are your expectations for EGYPS 2022 and how will Wintershall Dea exploit this opportunity?

I'm personally really excited about EGYPS 2022. It is my first time as COO of Wintershall Dea to participate at EGYPS and I'm looking forward to fruitful dialogue, interesting discussion, and exchange with national and international partners. And of course, EGYPS brings a lot of attention. So, I and our wider team are looking forward to presenting Wintershall Dea's global and Egyptian activities.







IT IS MY FIRST TIME AS COO OF
WINTERSHALL DEA TO PARTICIPATE
AT EGYPS AND I'M LOOKING FORWARD
TO FRUITFUL DIALOGUE, INTERESTING
DISCUSSION, AND EXCHANGE WITH
NATIONAL AND INTERNATIONAL PARTNERS.



STAND NUM.:

3B60

HALL 3





9 - 11 MAY 2022 | ABU DHABI, UNITED ARAB EMIRATES

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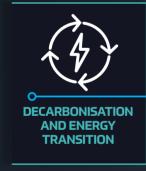




HEAR IN-PERSON FROM GLOBAL MINISTERS, **GOVERNMENT REPRESENTATIVES AND CEOS**

The Strategic Conference has been developed for global leaders in power and water, who seek to successfully navigate the energy transition and embed future-focused digital transformation strategies in response to evolving market and customer needs.

STRATEGIC CONFERENCE THEMES:





COLLABORATION AND STRATEGIC **PARTNERSHIPS**



CUSTOMER-CENTRIC RUSINESS **MODELS**



TRANSFORMATION AND TECHNOLOGICAL **INNOVATIONS**



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ABOUT THE TECHNICAL CONFERENCE

Spanning the entire oil and gas value chain, EGYPS 2022 Technical Conference has been created after a thorough two-stage review by the Technical Committee, comprising 83 oil and gas specialists.



14-16 FEBRUARY 2022

The conference programme features over 150 experts speaking at 40 sessions, covering the latest research findings, industry trends and challenges, new project developments, state of the art technologies, as well as industry best practises. 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, offshore and marine, people development, finance and digitalisation.

The last two years brought an unprecedented set of challenges to all industries globally. In the energy industry, the risks and uncertainties experienced, coupled with decreased oil demand and a low price environment challenged and changed businesses and operations around the world. EGYPS 2022 Technical Conference convenes the industry's oil and gas professionals, providing an unrivalled opportunity to meet face-to-face and learn how to stay technically relevant, digitally competitive and business resilient, fully embracing the constantly evolving market landscape.

17 TECHNICAL CATEGORIES







Geoscience: Upstream Technology Developments (GEOT)



Development (FD)

Oil and Gas

Economics,

Concession

Oil and Gas Field



Drilling (DR)



Completions (COMPL)



Gas/LNG Processing, Transportation, Operations and Technology (GAS)



Offshore and Marine Technology and Operations (MAR)



Project Finance (FIN) Downstream: Petrochemicals

Agreements and



Project Management and Execution (PM)



Operational Excellence (OpEx)



Health, Safety and Environment (HSE)



Downstream: Refining Technology, Operations and Marketing (REF)



Technology and Operations (PET)



Biofuels, Alternative Fuels and Renewable Energy (BIO)



Digitalisation of Oil and Gas (DIGI)



People and Talent Development (PPL)

TECHNICAL CONFERENCE IN NUMBERS



TECHNICAL **SESSIONS**



TECHNICAL SPEAKERS



COUNTRIES REPRESENTED



DAYS OF KNOWI FDGF **EXCHANGE**



TECHNICAL

DELEGATES



As economies globally are recovering and the oil and gas industry is looking ahead, innovation, digitalisation and technology are driving the industry forward. The EGYPS Technical Conference showcases a diverse range of technical, geoscientific and engineering insights that ignite ideas, help overcome challenges and drive value creation and innovation. EGYPS is the key event to attend in 2022 as it provides access to unrivalled technical knowledge, business opportunities and professional development.



EGYPS 2022 TECHNICAL COMMITTEE CHAIRMAN Eng Alaa Elbatal, CEO Egyptian General Petroleum Corporation (EGPC)







GROWTH WITH ENERGY





PIONEERING INNOVATION

AN INTERVIEW WITH EXXONMOBIL EGYPT CHAIRMAN & MANAGING **DIRECTOR AMR ABOU EITA**

GOLD SPONSOR



ExxonMobil has been working in Egypt for 120 years. How would you describe the company's journey throughout the past years?

We are proud of our longstanding history of successful partnership in Egypt's growth, dating back to 1902 when kerosene was the primary product being supplied. Ever since, we sustained a proven track-record in meeting the society's evolving demand for reliable energy. Our commitment remains to continuously provide high-quality petroleum products and lubrication solutions, around the clock to millions of our valuable customers.

We deploy the most advanced technology with the highest operational standards through our 2 state-of-the-art lubricants blending plants and 4 fuel terminals

Our growing network of more than 350 Mobil service stations and 200 Mobil1 and Mobil Auto-care centres across the country supplies motorists with their daily needs. Moreover, we export our premium products to more than 40 countries around the world; as well as supplying the aviation sector.

Additionally, ExxonMobil Egypt takes pride in being a pioneer in introducing the concept of service stations convenience stores to the Egyptian market; under the well-known brand name of "On the Run" which has proven year after year to be a successful business model. Today, ExxonMobil Egypt's convenience retail network has grown to 28 branches of "On the Run" and 16 branches of "The Way to Go", offering quality products in a clean and reliable environment 24/7 to meet consumer needs.

Moreover, ExxonMobil Egypt has been assuming a leading role in supporting the community over the years through initiatives focused on education, capacity building, youth development, and women's economic empowerment.

We have been proudly cooperating with community partners in implementing sustainable and impactful initiatives across Egypt.

ExxonMobil's success in Egypt is built on a strong foundation of business principles, core values, and a deeply rooted culture of integrity led by our world-class workforce.

How does ExxonMobil through its partnership with Egyptian companies support the country's Compressed Natural Gas (CNG) strategy?

ExxonMobil Egypt continues to proactively seek and explore new promising opportunities in cooperation with the government. Building on the CNG national strategy, ExxonMobil Egypt signed earlier this year two cooperation protocols with GASTEC and CarGas, under the auspices of H.E. Tarek El Molla - Minister of Petroleum and

Mineral Resources The objective is to avail Compressed Natural Gas(CNG) at a number of Mobil stations nationwide, aiming to meet customers' evolving demand.

What does it mean to ExxonMobil to be back to Egypt's upstream sector and what is the plan for exploration activities during the upcoming period?

The evident development and progress in Egypt's business environment at large and the successful modernisation programme of oil and gas sector in particular has encouraged ExxonMobil to evaluate potential opportunities for the upstream business in Egypt.

ExxonMobil has recently reaffirmed its vested interest in the upstream business in Egypt and we are actively evaluating and progressing our exploration programmes. We truly value our collaboration with the Egyptian government and our objective is to identify anchor development opportunities to create a long-term upstream business in Egypt.

Can you share with us the company's most innovative initiatives, services and products?

ExxonMobil Egypt's success and leadership self-manifest on the ground. For example, our recently launched "Mobilawy" is a leading, innovative lubes and fuels loyalty programme that has taken consumers engagement to a new level. Mobilawy is being rapidly embraced by the Egyptian market, and we are proud of being pioneers on this front.

On the lubricants side, we have recently launched the flagship Mobil 1X15W-30 that meets the requirements of API SP, as well as Mobil Multigrade 20W-50 for dual engines (Gasoline and Natural Gas), in addition to Mobil Special 20W-50. Our products are designed to meet or exceed the requirements of the industry's toughest standards, achieve energy efficiency, and enhance the lifetime of the equipment.

Moreover, capitalising on Egypt's Ministry of Petroleum modernisation strategy to enhance the quality of fuels offered, ExxonMobil has assumed a leading role in introducing branded fuels in Egypt, namely Mobil Super Plus95. The first fuel in Egypt with advanced Mobil additives and a special technology designed to clean and protect engines, as well as grant enhanced performance and optimise fuel consumption. Today it has proven to be a game-changer in the market.

Being an innovative business and a pioneer market leader, ExxonMobil Egypt is delighted to collaborate with and support 'Trella', a start-up technology platform that connects shippers to carriers. The recently-forged alliance aims to technologically revolutionise the freight industry



in Egypt and provide it with advanced solutions. This agreement happens to be the first direct investment for ExxonMobil into a tech start-up in the MENA region. It aligns with the company's mission to induce a mega digital transformation and empower young striving innovators beyond the energy industry; not to mention supporting the entrepreneurship ecosystem.

Finally, employees are the core engine for the major companies, how does ExxonMobil empower its employees especially women and youth?

This is a topic that is very dear to my heart as a proud father of two young ladies. In ExxonMobil Egypt, our most valuable asset is without a doubt our exceptional workforce, some of the best talents in Egypt and the world and they have always been instrumental to our success. We embrace talents with a long-term career focus, encourage a strong culture of performance, and recognize experience.

Moreover, our global talent management actively fosters a productive and sustainable work environment, diversity and inclusion, and practices empowerment in so many ways, with special attention to striving female calibres of whom we take great pride. For example, in 2019 the number of ExxonMobil's female executives increased by 69%. Additionally, our employee-led resource groups assist in delivering our talent management objectives, including a dedicated initiative for women empowerment called "Women's Interest Network"(WIN). WIN leverage work settings to maximise the professional advancement and personal growth of women and gives our female population a fair chance to realise their full potential and overcome any cultural barriers. WIN was launched in November 2000 in North America and since then it has expanded to over 30 chapters in ExxonMobil affiliates around the world, including ExxonMobil Egypt WIN Chapter that was adopted in 2018.

STAND NUM.:

2A60

HALL 2





EGYPS
YOUTH
ENGAGEMENT
PROGRAMME

EGYPS
YOUNG
PROFESSIONALS

EGYPS 2022 VENUE PLAN



HALL 1

- Live Theatre
- HSE in Energy Conference & Awards Ceremony
- Equality in Energy Conference & Awards Ceremony
 Hydrogen / CNG Theatre
- Youth Engagement and Young Professionals Programme

EGYPS DIGITALISATION IN ENERGY

- Visitor & Exhibitor Cafe
- Conference Coffee Break



HALL 2

• EGYPS Petroleum Club



HALL 3

- Delegate Lunch
- · Digitalisation in Energy



SHUTTLE BUS TO AL MANARA

• Halls 1 - 3 to Al Manara



SHUTTLE BUS TO EXHIBITION HALLS

• Al Manara to Halls 1 - 3



REGISTRATION AREA

• Halls 1 - 3

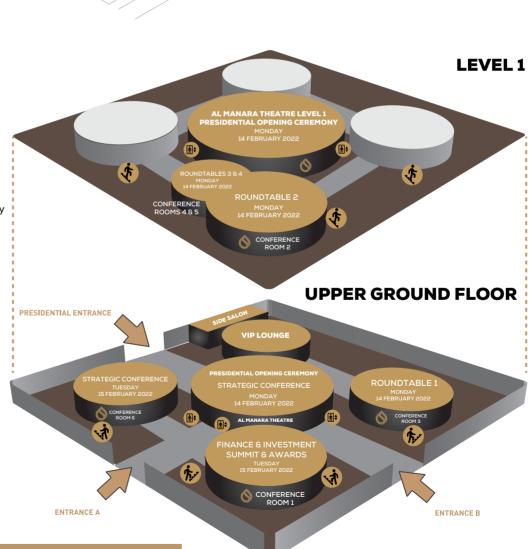


• Technical Conferences



AL MANARA

- EGYPS 2022 Presidential Opening Ceremony
- Strategic Conference
- Strategic Roundtable Discussions
- Finance & Investment Summit & Awards Ceremony
- Conference Coffee Break



EGYPS TECHNICAL CONFERENCE

НЗ

H2

PETROLEUM CLUB



VENUE LOCATION:

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





EVOLVING FOR AN EXCITING FUTURE

AN INTERVIEW WITH SHERIF BAYOUMY - SCHLUMBERGER EGYPT & EAST MED MANAGING DIRECTOR

SILVER SPONSOR Schlumberger

What are your expectations for the O&G industry in Egypt?

I am optimistic about the future of the industry in Egypt. There are many mega projects now in place to modernise the sector, under the patronage of H.E. Eng. Tarek El Molla, Minister of Petroleum and Mineral Resources.

In 2021, we witnessed the Egypt Upstream Gateway EUG go live, the Egypt Production Digital Center EPDC, and the Red Sea exploration startup. These are strong indications of the rising of the sector.

Egypt is full of opportunities with the presence of small, medium, and larger players.

The small and mid-sized companies primarily work in the western desert, eastern desert and Gulf of Suez, which is where we see the consolidation. Their primary focus will be on oil production enhancement, leveraging healthy oil prices and lower production costs than other geographies.

There is a lot of demand from local and regional investors to develop these fields. This is a golden opportunity for Schlumberger to work with growing companies, especially for subsurface production enhancement coupled with early production facilities to accelerate the field development phases.

Meanwhile, major IOCs are focused on gas, hence a mixed portfolio, with multiple opportunities for Schlumberger to support.

Easy exploration belongs to the past, the remaining opportunities are frontier developments, in the Red Sea or Egypt's West Mediterranean. When successful, these projects offer high returns.

What's the Egypt Upstream Gateway's impact on the oil and gas sector in Egypt?

In our industry, data are the most valuable asset. We are working hand in hand with the Ministry of Petroleum and Mineral Resources to get the most value out of the huge amount of existing E&P data. Their consolidation helps in understanding the bigger geological picture. Indeed, creating the National Data Repository (NDR) digital library is only one element of our fruitful collaboration. The EUG is working on evergreening the seismic and well data to give operators the highest value of the available data in Egypt.

In addition, the EUG successfully operated the first digital bid round in the Egyptian industry, in the time of a pandemic that caused most other countries to cancel or delay their bid rounds.

What is Schlumberger role in EUG maturation?

Establishing the EUG was a significant leap toward the digitalisation of the Egyptian oil and gas sector. It helps Egypt boost upstream investments. Moreover, it is a key enabler for remotely obtaining and managing data.

The maturation process of the project includes enhancing the available data by leveraging regional knowledge from the EUG team of experts. This is what we mean by evergreening.

The process also includes the use of artificial intelligence tools to extract useful information from the data to speed up the decision cycle for investors, which will positively reflect directly on Egypt's petroleum industry.

What's the update regarding Red Sea Multiclient programme?

In December 2021, Schlumberger commenced a new 3D multiclient seismic survey in the Egyptian Red Sea. The Multiclient programme, in partnership with TGS and with the support of the Ministry of Petroleum & Mineral Resources and GANOPE, is a result of a successful 2D Multiclient programme conducted in 2018.

The unexplored offshore of the Egyptian Red Sea area shows untested structures and well-established hydrocarbon systems which offer exceptional growth opportunities for oil companies. The project utilises the latest acquisition technology to record long offset information that is critical for complex subsurface imaging. This technique will enable more accurate sub-salt imaging in the Red Sea, allowing resource potential to be assessed confidently for the first time ahead of anticipated future Red Sea license rounds. The first phase will encompass approximately 6,100sqkm, with a second phase likely to commence in March providing over 12,000sqkm of new data.

What kind of digital solutions does Schlumberger offer for the upstream companies?

Schlumberger is a technology company. For decades, we have pioneered the industry by delivering value to our customers through unmatched R&D and differentiated products and services. We believe that digital enablement will bring true value and Schlumberger is focused on providing innovative solutions to digitalise the O&G industry.

A key solution to mention is Schlumberger DELFI cognitive E&P environment, which is a secure, scalable, and fully supported cloud-based offering that provides seamless E&P software technology across exploration, development, drilling, production and midstream. Through our engagements with major IOCs and NOCs globally, we have seen workflows enabled with the DELFI environment to achieve significantly higher levels of performance and efficiency compared to traditional solutions. For example, we have seen improvements in well planning efficiency by more than 50%, well intervention planning reduced by 80%, field development planning accelerated considerably, and reservoir engineering workflows completed in 3 days instead of 120 days on average.



What opportunities does Schlumberger see in the net-zero and green energy sectors in Egypt?

Schlumberger's vision is to define and drive high performance, sustainably. We are focused on our purpose: creating amazing technology that unlocks access to energy, for the benefit of all. The focus on decarbonisation, which will define a new era in our industry represents a key differentiating opportunity for Schlumberger. Last June, we announced our company commitment to Net Zero emissions by 2050 together with our decarbonisation plan that leverages technology to address operational emissions, customer emissions, and carbon-negative actions.

Schlumberger is committed to being at the forefront of our industry's shift toward more sustainable energy production—challenging not only ourselves but also our customers, suppliers, and peers to partner on delivering measurable social and environmental progress. We are uniquely positioned to impact both our own environmental and social footprint and to help our customers reach their goals.

We are discussing low carbon solutions and green energy with all stakeholders; particularly with the current drive from Egypt and the Ministry to accelerate pilot projects in this field.

This creates more opportunities for us to leverage our CCS expertise in the country, as we are involved in more than 50% of the CCS projects in the world. We are able to leverage our capabilities across the full value chain and offer a real edge in our digital modeling and subsurface studying expertise for CCS workflows.

Our industry has a critical role to play in the future of energy, and Schlumberger is evolving for that exciting future. We continue to build the Schlumberger of tomorrow to define and drive high performance, sustainably.

STAND NUM.:

3C50

HALL 3

تحت رعاية صاحب السمو الشيخ خليفة بن زايد آل نهيان رئيس دولة الإمارات العربية المتحدة UNDER THE PATRONAGE OF H.H. SHEIKH KHALIFA BIN ZAYED AL NAHYAN. PRESIDENT OF THE UNITED ARAB EMIRATES





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NOCs, IOCs and IECs

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1,200

Speakers

250

Conference Sessions

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forum for our industry
to take stock and
compare notes on the
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not only of oil

and gas, but
also the technologies
and industries that
are springing up

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DON'T MISS TOMORROW'S SESSIONS

STRATEGIC CONFERENCE AGENDA

GLOBAL BUSINESS LEADERS SESSION

Unlocking energy independence through connected oil and gas markets

10:30 - 11:30



Eng Alaa Elbatal CEO Egyptian General Petroleum Corporation (EGPC)



Mathios Rigas CEO Energean



Ali Rashid Al Jarwan CEO Dragon Oil



Simon Thomson CEO Capricorn Energy



Eithne Treanor
Presenter
EGYPS 2022

GLOBAL BUSINESS LEADERS SESSION

Natural gas as a catalyst of the low-carbon transition



Dr Eng Magdy Galal Chairman Egyptian Natural Gas Holding Company (EGAS)



De la Rey Venter
Executive Vice President
LNG West & CCUS



John Ardill Vice President Exploration



Dawn Summers
Chief Operating
Officer
Wintershall Dea



Clay Neff
President
Chevron
Middle East, Africa,
South America
Exploration and
Production Company

Moderator:



Martin Houston
Vice Chairman
Tellurian

GLOBAL BUSINESS LEADERS SESSION

The shifting downstream landscape

Suez Methanol Derivatives

ng downstream landscape



Jean Sentenac President and CEO Axens

Hisham Selim

Company (SMD)

Chairman



Pierroberto Folgiero CEO Maire Tecnimont Group

Paul Marsden

Bechtel

President, Energy



Saad Helal President and Chairman Egyptian Petrochemicals Holding Company (ECHEM)



Dr Gavin Towler
Vice President and CTO
Honeywell Performance
Materials and Technologies &
Honeywell UOP

Moderator:

13:30 - 14:30



Eithne Treanor
Presenter
EGYPS 2022





GLOBAL BUSINESS LEADERS SESSION

Connected energy ecosystems: billion-dollar savings



Chairperson & CEO Oilserv



Walid Sheta President Middle East and Africa Schneider Electric



President Northern Africa Region Enterprise Business Group **Huawei Technologies**



Chairman of the Board & CEO **NESR - National Energy** Services Reunited

Moderator:



Aida Araissi CEO Bilateral US Arab Chamber of Commerce

MINISTER INTERVIEW

Egypt: powering from strength to strength

15:30 - 16:30



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



Moderator: **Eithne Treanor** Presenter **EGYPS 2022**

TECHNICAL CONFERENCE AGENDA

10:00 - 11:30



Session 13: Advancements in downstream refining

Session 17:

Improving

economics

downstream



Session 14: Operational innovations in Gas/LNG



Session 18:



Session 15: Innovative drilling solutions



Session 16: Upstream geotechnology developments





Tackling gas processing challenges



Session 19: Mitigating well engineering challenges



Session 20: New technology case studies

14:00 - 15:30



Session 21: Shift towards downstream sustainability



Session 22: Biofuels and synthetic fuels advancements



Session 23: Novelties in completions technologies



Session 24: Tapping into unconventional reservoirs





Session 25: Petrochemical supply chain management and new technologies



Session 26: Successful renewable energy projects



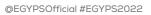
Session 27: Addressing completions challenges



Session 28: Technology applications for unconventional exploration

WE LOOK FORWARD TO SEEING YOU TOMORROW

TUESDAY 15 FEBRUARY TECHNICAL SESSIONS







ABOUT THE FINANCE & INVESTMENT SUMMIT

The EGYPS Finance & Investment Summit gathers global leaders to emphasise the magnitude of developing innovative governance, investment, and cost management models for the energy value chain to overcome future economic turbulences whilst paving the way for a decarbonised economy.

Fully supported by and in alignment with the objectives of the Egyptian Ministry of Petroleum and Mineral Resources, the inaugural Global Finance and Investment Awards will recognise the achievements of senior finance leaders in the global energy industry and leading financial institutions for their contribution to the development of the industry.



TUESDAY 15 FEBRUARY 2022

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finance

Session Sponsor



GLOBAL EXPERTS SPEAKING IN-PERSON



Deputy CEO
Crédit Agricole Corporate and





General Manager



Director and General Manager









Karim buc Director Enterprise Digital Performance Schlumberger Karim Badawi



Zakaria Dosso Managing Director Africa Energy Investments African Petroleum Producers Organisation (APPO)



Hanan Bakr Director, Energy Sector Head and Sustainability Lead-MENAT HSBC



Dr Ahmed Mokhta Managing Directo **NBK Capital**



Martin Piesker Head of Digitalis Siemens Energy



Sara Ibrahim Head of Private Regional Centre for Renew ov Efficiency (RCREE)







Dr. Bushra Bate ushra Bataineh structure Development and Finance Bechtel





Digital Power Business Group ei Technologies Egypt





Dr Samir Elkareish Vice Chairman, Energy Egyptian Natural Gas Holding Company - (E any - (EGAS)



Christopher Frank Head of Strategic Business Development Africa & Asia





Mavriky Kalugin Naftogaz



Lifecycle Services



Mohamed Mostafa Head of Finance PICO Cheiron



Managing Director – Egypt **Wintershall Dea**



EO ilateral US Arab hamber of Commerce

PROGRAMME SUMMARY

10:00 - 10:15

Ministerial keynote

Reactivating global economies through pioneering fiscal policies

10:15 - 10:30

Global Finance& **Investment Awards** Ceremony

10:30 - 11:15

Panel discussion

Bolstering international partnerships to boost energy investments and support project financing

11:15 - 12:00

Panel discussion

Forward-looking financial strategies for the energy industry

12:00 - 13:00

Panel discussion

Advancing digital investments in the energy industry for cost efficiency and resource optimisation

14:15 - 14:45

Panel discussion

Unlocking energy markets of the future: investments and regulations to support the hydrogen economy

14:45 - 15:30

Fireside chat

Risks, returns, and regulations

15:30 - 16:15

Panel discussion

Accelerating sustainable investments: challenges and opportunities in the path to net-zero

REGISTER TO ATTEND THE CONFERENCE & AWARDS CEREMONY IN-PERSON

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GLOBAL FINANCE & INVESTMENT AWARDS SHORTLISTED FINALISTS



FINANCE LEADER OF THE YEAR



Ahmad Ali BinObood Chief Financial Officer Dragon Oil



Al-Moataz Ballah Al-Said Mohamed Abu Seif Chairman Assistant for Finance Egyptian Maintenance Company



Maha Halawa
General Manager
Projects Costing and Support Services
Khalda Petroleum Company



Sherine Zohdy Finance Manager Wintershall Dea



FINANCIAL INSTITUTION OF THE YEAR

THE WINNER WILL BE ANNOUNCED AT THE AWARDS CEREMONY

2022 AWARDS ADVISORY COMMITTEE MEMBERS



Dr Bassem Kamar Chief Economist Central Bank of the UAE



Hala Borai
Vice Chairman
Financial & Commercial Affairs
Egyptian Natural Gas Co.
(GASCO)



Helmy Ghazi Managing Director & Head of Global Banking HSBC Egypt



Nadir Imanov
Commercial Director
North Africa
(Finance Planing &
Commercial Operations)
bp









ABOUT THE HSE IN ENERGY **CONFERENCE AND AWARDS**

The EGYPS 2022 HSE in Energy Conference gathers international and regional HSE experts to share industry insights into strategic priorities within HSE, digital innovation for effective health and safety standards, strategies for employees' health and wellbeing, companies' decarbonisation efforts and the growing role of leadership in ensuring high HSE standards.



TUESDAY 15 FEBRUARY 2022

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GLOBAL EXPERTS SPEAKING IN-PERSON



Senior Vice President HSE and Carbon











James Fibbens Vice President and Senior Project Manage



Hao Wang CTO Northern Africa Region Energy Business Unit Huawei Technologies



Fatih Erdem Compliance Officer and QHSSE Director TANAF



Sameh Sabry Senior Vice President and Managing Director



Vassilis Tseto HSE Directo



Randa Mounir Senior Climate Advisor **British Embassy in Cairo**



Gamal Fatny
CEO Assistant for HSE Egyptian General Petro Corporation (EGPC)



Hany Abdel Aziz Head of QHSES IPR Energy Group





Mai Elnaggar
Consultant in Endocrinology
and Medical Rehabilitation,
Former Medical Occupational
Health Director



Tarek Adly CEO Advisor on HSE PETROJET



Wael Amin Head of HSE Kuwait Energy



Andre Erasmus MENAAP HSE SQ Region Manag Halliburton



Carlo Ignazio Spadavecchio Executive Project Director Technip Energies



HSE Manager
Egypt, Sudan and East
Mediterranean
Schlumberger



Oilfield Equipment HSE Leader Middle East, North Africa and India Baker Hughes



Hussein El Ghazza Hussein El Ghazzawy Senior Energy and Industry Consultant
LYNX Strategic Business



Ali Hegab Independent Oil and Gas Consultant



an Resources Director Human Resource
The Energy Year



Hugh Maxwell International Institute of Risk and Safety Management



Cairo Correspondent The National

PROGRAMME SUMMARY

10:00 - 10:10

Welcome and opening remarks 10:10 - 10:25

Keynote address

Latest strategies and programmes to aid physical, mental and social welfare of people

10:25 - 10:40

Keynote address

Reducing carbon footprint and ensuring more climate conscious oil and gas operations

10:40 - 11:25

Panel discussion

Setting up strategic priorities within HSE

11:45 - 12:10

Fireside chat

Leadership strategies to ensure oil and gas companies are well prepared for the energy transition

12:10 - 13:00

Panel discussion

Environmental sustainability as the way towards a zero carbon future

14:00 - 14:50

Panel discussion

Ensuring employees' health and wellbeing within the entire oil and gas value chain

14:50 - 15:25

Fireside chat

Technology and digitalisation as HSE catalysts within the oil and gas sector

15:25 - 16:15

Live OSA

The role of HSE leadership in the post-pandemic world 16:45 - 17:45

Global HSE Excellence in **Energy Awards Ceremony**

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GLOBAL HSE EXCELLENCE IN ENERGY AWARDS SHORTLISTED FINALISTS



BEST HEALTH PROJECT OF THE YEAR

SPONSORED BY HALLIBURTON



Innovative management techniques to address wellbeing during the pandemic



Well-designed Contractor Fitness to Work (CFTW) process



COVID-19 care programme



EDC COVID-19 campaign



BEST SAFETY PROJECT OF THE YEAR

SPONSORED BY





WND project a world-class safety programme



Improving safety performance through six safety leadership responsibilities



Remote sensing and AI to enhance inspection safeof CUI threat



Reducing HSE risk by using engineering controls



BEST ENVIRONMENTAL PROJECT OF THE YEAR



Methane reduction: Fugitive emissions - the hidden sources



Reducing greenhouse emissions and eliminating gas flaring



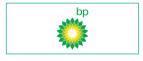
Plantation of 10 million wild trees in collaboration with the Environment Authority in Oman



Kingdom's first carbon capture utilisation and sequestration (CCUS) and CO2 EOR project



BEST COMMUNITY CARE PROGRAMME OF THE YEAR



BP Egypt West Nile Delta project: A force for good



'El Fararfa Water of the Sun' community development project



Livelihoods support and education enhancement in community schools project



TANAP giving back to our communities!

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EXHIBITOR NFWS

DIL&GAS

14 - 16 February 2022 | Egypt International Exhibition Center

EXXONMOBIL: AN ENERGY LEADER THAT GIVES BACK TO THE NEXT **GENERATION**

ExxonMobil is pleased to participate for the 5th consecutive year in Egypt Petroleum Show EGYPS 2022. This



year as a Gold Sponsor our exhibition booth is designed to reflect our long standing history of almost 120 years in Egypt, our heritage, our company's upstream operations excellence, and our emphasis on health, safety and leadership in technology. More importantly as the Headline Sponsor for the Youth Engagement Programme and the Young Professionals Programme, our main goal is to ensure the useful and most efficient exchange of ExxonMobil's leading-edge expertise in technology and sustainable processes to students of the next generation of energy leaders.

We strive to develop the capabilities of Egyptian youth, stemming from our focus on education, youth development and capacity building. We will have an interactive exhibition space providing an on-site learning platform to allow school students to engage and connect directly with the oil and gas industry.

Moreover, ExxonMobil's skilled employees will be embracing the opportunity to educate and mentor future sector leaders through the "Youth Talks", ultimately encouraging them to pursue their careers in the

Additionally, this year we have introduced new elements to complement the upgrade in the programme components and actively support the development of a new skilled generation of energy leaders. ExxonMobil tailored dedicated workshops in the fields of drilling, geosciences and geophysics for university STEM students. These technical workshops will be prepared and given by ExxonMobil experts aiming to educate and enrich the experience of the participating youth and significantly expand their level of knowledge in these important fields.

Looking forward to welcoming all the attendees, participants and visitors $\,$ to our booth in EGYPS 2022 exhibition hall and the "Youth Engagement Programme" zone.

STAND NUM.: 2A60 HALL 2

EBESCO'S MULTI-INDUSTRIAL SOLUTIONS

EBESCO is specialised in serving different industries, such as oil and gas, petrochemicals, fertilizers, cement and all other related industries to serve both domestic and overseas customers. EBESCO is dedicated to ATEX/IECEx solutions (TECHNOR/ ITALSMEA Agent) for several products, including explosion-proof distribution and control and command boxes,



explosion-proof cast aluminium, steel, stainless steel, GRP/thermoset resin boxes, lighting (luminaires, spotlights with fluorescent bulbs or LEDs), stainless steel or GRP control and junction units, warning/ indicator lights as well as earthing systems.

The company is also dedicated to low voltage electrical connectors from MARECHAL ELECTRIC for a number of products, such as hazardous/ industrial products DECONTACTOR™ = plug + industrial switch (up to 400 A), hazardous/industrial multi-contact sockets (up to 37 contacts), hazardous/industrial connectors (up to 600 A), hazardous/industrial single pole connectors (up to 750 A with pilots), and hazardous/industrial socket, distribution, break-out, junction, bypass and command/control

EBESCO is also dedicated to special cables from RAMCRO SrI for these products: fire and gas cables, explosion proof -gas stop cables, instruments cables, BMS cables, fire alarm cables as well as audio and video cables.

The company is dedicated to explosion-proof cable glands and accessories from PEPPERS for several products including hazardous/ industrial cable glands, hazardous/industrial reducers/adaptors and hazardous/industrial accessories.

EBESCO is also dedicated to electronic power equipment from CONVEL for these products: AC/DC industrial UPS and battery chargers, industrial frequency rectifiers and AC/DC industrial power supply.

The company is dedicated to heating solutions from Thermon for the following products: electric heating, steam heating, gas heating as well as specialty products.

STAND NUM.: 2H48 HALL 2

BDR INDUSTRIAL SERVICES: WHERE PERFECTION IS THE MINIMUM STANDARD

BDR Industrial Services was established in 1994 as a stockist for pipes, fittings, flanges, valves, gaskets, etc. Located in Nasr City's free zone, we also obtained the API6D certificate in 2014 to manufacture ball, gate and check valves. As a company which is proud of its long history in demonstrating excellence, we deal with all oil and gas companies in Egypt and Middle East.

As a certified Egyptian manufacturer of valves, we will be exhibiting at a few of our models, such as ball, gate and check values, with sectional $% \left(1\right) =\left(1\right) \left(1\right) \left$ models to show the interior of our valves and the quality of the material. BDR also offers maintenance and repair services for its valves and for any API6D certified valve.

At our display in EGYPS 2022, we will be playing a video for hydrostatic pressure testing, valve assembling and disassembling, and our wide range of stock.

Widely recognised as a leader in its field, BDR's technical and commercial team will be available in BDR's booth to answer any financial or technical questions that our valued customers might have. We will also be offering very attractive prices for both our products and services during the



exhibition period. BDR will also seek to demonstrate the advantages of local manufacturing, services for repair and maintenance, and the warranty advantage of a local manufacturing facility.

BDR welcomes you to our booth and hopes that the exhibition will be beneficial to all parties.

STAND NUM.: 2I49 HALL 2





EXHIBITOR NFWS



14 - 16 February 2022 | Egypt International Exhibition Center

ALKHORAYEF PETROLEUM COMPANY: AN ESTABLISHED NAME IN THE OIL & **GAS SERVICE MARKET**

Alkhorayef Petroleum is a Saudi-owned oil and gas services company with operations across three continents and headquartered in Dammam.

Our success is in our customer-first approach and emphasis on providing holistic, fit-for-purpose solutions. This facilitated our growth and expansion; initially becoming a market leader in the supply and maintenance of artificial lift technologies including, electrical submersible pumps, horizontal pumps and progressive cavity pumps, to being the customer of choice for the design, supply installation and commission, as well as operation and maintenance of crude production facilities and enhanced oil recovery projects.

Most recently, we have inaugurated our wireline business providing cased hole wireline services in production logging, well integrity and mechanical intervention. We are present across 3 continents in 11 countries across the Middle East, Africa and Latin America. We pride ourselves on our vertically integrated approach to the business where we provide research and development, engineering, manufacturing and field servicing of our artificial lift products and services. This has enabled us to maintain our competitive edge and ensure leading edge technological solutions to our customer base.

Our focus on providing services, operation and maintenance allowed us to expand our capability to crude/gas production and processing. Our strength is in our flexible business model, designed to suit our customer needs, whereby we can Build Operate Own (BOO) or Build Operated Own & Transfer (BOOT).



We also offer EPCIOM contracts on a sale or lease basis. This approach enabled us to be at the forefront of several pioneering energy initiatives. Successfully executing such pioneering projects combined with meeting some of the most stringent specifications of several high-profile projects in Kuwait, we quickly became an established name in the oil and gas service market.

STAND NUM.: 3H40 HALL3







EXHIBITOR NEWS



14 - 16 February 2022 | Egypt International Exhibition Center

ITALY: A MAIN PARTNER FOR EGYPT'S PETROLEUM SECTOR

On the occasion of EGYPS 2022, the Italian Embassy in Egypt and the Italian Trade Agency are welcoming a delegation of medium and large Italian companies, with the purpose of introducing - within an institutional framework - Italian manufacturing and engineering



skills and know-how in Egypt's oil and gas sector.

Cooperation with neighbouring countries and international companies will represent a key factor along with a continuing effort in upgrading and renovating the oil and gas supply chain. Egypt's investments in new infrastructures have almost no equal in the world. A new scenario that opens unparalleled opportunities for technical cooperation worldwide.

Egypt reached energy independence in the year 2019, thanks to recent oil and gas field discoveries offshore and onshore, which are giving impulse to the entire economy of the country. Egypt can now aim at consolidating its position as an energy hub for the entire Eastern Mediterranean region.

In 2021, Egypt has showcased many plans and efforts towards achieving sustainable energy by 2035 and modernising the energy sector in Egypt. For example, the natural gas car conversion project, and the expansion of the natural gas service stations to reach 1000 stations by the end of 2021. In fact, 42,000 cars were converted or replaced to run on natural gas from July 2020 till now despite the challenges of the COVID-19 pandemic. A lot of giant projects were implemented for updating the electricity grid to connect Egypt with the neighbouring countries and the EU.

Italy plays a leading role in oil and gas technologies: from pumps and valves to pipes; from measuring instruments to pressure vessels; from oil treatment to turnkey solutions and from drilling components to power generation. The long-lasting experience and innovative solutions for the different phases of the supply chain are a testimony to the dynamism and reputation of the Italian companies.

Our wish is to welcome and support international and Egyptian companies and institutions in meeting Italian technology and establishing contacts for fruitful collaboration.

STAND NUM.: 2F68 HALL 2

ODSI SHOWCASES TOP-NOTCH RESERVOIR SURVEILLANCE SERVICES

Oilfield Data Services, Inc. (ODSI) provides real-time reservoir and production engineering surveillance services. We use the well bore as a giant multi-phase flow metre to provide accurate rates and bottomhole pressures.

Using rates and BHPs, ODSI automatically analyses build-ups and drawdowns and performs static and flowing material balances. In addition, the company tracks moving fluid contacts and



monitors changes in Pl. Our team of experienced and dedicated surveillance engineers explain how the calculations are performed and what they mean.

They figure out how much oil or gas the well will have within 6-8 weeks of starting production without requiring the company to shut in the well on purpose. Then, they determine how much of that oil/gas is mobile/ producible and how much the well should make.

After that, ODSI team continually monitor the well, looking for changes in performance and determining the causes of those change. As a result, the company advise you on how to maximize your NPV and/or EUR.

We do this 'blind' - without maps, reservoir models, type curves or decline curves. ODSI uses your rate, pressure and temperature data, along with a proper understanding of the physics. In short, ODSI tells you what you've got, what you're going to make and if there's anything you can do to improve your well/reservoir performance.

This year we will have the honour of participating in EGYPS 2022 and we are glad that we will have the opportunity to meet visitors who are interested in our company. Our company would like to cordially invite all visitors to our booth, where we would be happy to answer any questions that they might have.

STAND NUM.: 3H2l HALL3

PROBE: AN INDUSTRY LEADER IN WELL DATA

Probe is widely recognized as an industry leader in cased hole well logging and advanced monitoring technology.

We design, manufacture, market and support a wide range of tools and systems that provide critical well data for cased-hole formation evaluation, reservoir monitoring, production profiling and well integrity management that are fit for purpose: accurate, reliable and robust.

Oilfield service companies, IOCs, NOCs and geothermal companies around the world trust and rely upon Probe to deliver equipment that leads to optimization of their assets.

Whatever our customers' needs, we draw upon our deep-rooted engineering heritage and continuously strive to provide outstanding quality and value.

IntelleX™ HPHT Quartz Gauge - 11/4 & 13/8 in.

The Intellex™ HPHT Quartz Memory Gauge is a slickline, e-line, or coiled tubing conveyed PT Gauge, available in various ODs and pressure ratings for a range of applications. Memory capacity is 8 MB

Memory Battery Sub - HD - 111/16 in. Memory Logging Tool.

The Memory Logging Tool (MLT102) enables use of all HD platform tools without the use of an electric line cable. Tool string power is derived from a suitable battery pack housed in a Memory **Battery Sub**

Production Logging

Probe's HD Production Logging solutions offer a wide selection of measurement options to support building your business. Whether Standard PLT for vertical well logging, or Array PLT for Horizontal well logging, HD Production Logging solutions are Surface Readout or Memory capable, and fully combinable with all HD platform tools including RAS, RADii, iQ and ProMAC.

Multi-Arm Caliper Tools

An advanced electromechanical cased hole logging tool for measuring the internal profile of the casing and completion assembly.

Reservoir Analysis Sonde



RAS™ is the industry's leading independent surface



capable three-detector pulsed-neutron logging tool.

Geothermal & UHT Logging tools

Kuster® has been serving the oil and gas industry.

Magnetic Properties Tool

A segmented receiver tool that yields quantitative casing thickness, calliper and casing magnetic properties measurements.

Segmented Bond Log Tool

The RADii® measures and maps the quality of cement behind casing with pressure up to 20,000 psi and temperatures up to 475°F.

Gauges, MCTs & Firing Heads

The IntelleX™ line includes UHT

STAND NUM.: 3170 HALL3







EMEC PRESENTS LATEST TECHNOLOGIES, SERVICES

The Egyptian Mud Engineering and Chemicals Company (EMEC) is a regional drilling fluids service company serving the Middle East and Africa. EMEC's services include drilling fluids, solid control equipment, waste management and production chemicals. EMEC combines its progressive know-how to deliver drilling fluids engineering services, solid control equipment and innovative products as tailored solutions.

EMEC will be exhibiting at EGYPS 2022 in order to present ourlatest technologies and services, including EMEC's drilling fluids systems customised to meet our clients' challenges; our innovative new solid control technology serving the solid control and waste management side, in addition to our new production chemicals products, manufactured locally.

 ${\it EMEC's Solid Control \ and \ Waste \ Management \ Department \ is \ supported}$ by our technical partnerships abroad. This allows us to find completely customised solutions for our clients which include EMEC's custom-designed shaker screens that outperform main brand alternatives. Our ViST shale shaker vacuums also allow our clients to reduce cutting waste volume and reduce solid control losses of costly drilling fluids.

EMEC's Drilling Fluids Department is supported by a technical department, which since its creation, has designed, created and implemented several proprietary software packages including Drilling Fluid Hydraulics, Hole Cleaning, Completion Hydraulics and stress caging calculations. EMEC's technical department also has a dedicated R&D Lab working on developing products to meet our customers' challenges. These software packages and R&D products help EMEC deliver exceptional service quality to our clients.



EMEC's sister company ECC, The Egyptian Canadian Company, is a longestablished and industry-leading production chemicals manufacturer. ECC's product range covers the full spectrum of production chemicals from pour point depressants to paraffin dispersants. Every solution is customtailored to our customers challenges and our products are manufactured in-house at ECC's plant in the Alexandria Free Zone.

EMEC has state-of-the-art in-house laboratory facilities and cuttingedge technology supported by a robust logistics network, which ensure our products perform to the highest standards to optimise operational efficiency for our customers.

STAND NUM.:

3E30 HALL3



our services are tailored as per our customers' requirements and include the following:

- **Provision of Offshore Support Vessels** (AHTS, PSV, CSV, ERRV, Tugs, and Crew Boats).
- Provision of Offshore Drilling Rigs.
- Supply Base Logistics.
- Pipe-laying Projects.
- Offshore Full Motion Compensated Gangways.
- Supplier of International Oilfield Machinery, Equipment, and Chemicals.
- Free Zone Warehouse Facility.
- Provision of Diving and ROV Services.
- Project and Military Permits.
- Vessels & Rigs Importation and Exportation.

- Bunkering, Lube Oil and Fresh Water Supply.
- Repairs, Maintenance & Dry Docking Services.
- Catering & Provisions Supplies.
 - Sea & Air Freight.
- Customs Clearance and Brokerage Services.
- Inland Transportation.
- Supply of Local Crew Manning Services.
- Equipment Rental.
- Project Cargos.



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EXHIBITOR NFWS



14 - 16 February 2022 | Egypt International Exhibition Center

INOVA GEOPHYSICAL: SEISMIC EQUIPMENT AT ITS BEST

At the 2022 Egypt Petroleum Show, INOVA Geophysical will showcase its comprehensive portfolio of land seismic equipment that enables geophysical service providers to efficiently design and execute complex seismic acquisition programmes for E&P customers around the world.

This year's booth will feature cable (G3i® HD) and cable-less (Quantum®) acquisition systems along with the industry's leading source vehicles (AHV-IV Commander, AHV-V TITAN, and UV2). Hear how INOVA's HD source controllers and acquisition sensors support these products and deliver enhanced subsurface images in any terrain.

INOVA experienced many record-breaking successes last year that we are proud to share, including a sale of over 110,500 Quantum nodes and a lease of 50,000 solely in 2021. Our recent Quantum deployment in Mexico was the largest nodal acquisition project in the Americas (83,100 nodes). Additionally, we distributed 80,000 channels of G3i HD and 61 vibrator vehicles to a Middle East Supercrew, among other seismic projects worldwide.

At EGYPS 2022, we are pleased to present INOVA's recently launched products: HyperQ and NEUROtec. HyperQ is Quantum's wireless longrange communication that enables low power, long-range radio $\overset{\smile}{\text{QC}}$ between a central location and nodes. HyperQ reduces crew exposure to field conditions and HSE risk while the operation remains under constant surveillance. HyperQ decreases project time, required manpower and costs among many other factors. NEUROtec is a technology platform



designed to improve vibroseis productivity, data quality, and reliability while reducing HSE risk. This is accomplished by integrating digital control into



critical aspects of the vehicle that enable monitoring systems, automation, safety compliance and maintenance awareness, to name a few.

Stop by our booth to say hello or learn more about our recent successes and the newest technologies supporting INOVA's land seismic acquisition equipment. We hope to see you!

STAND NUM.: 2G70 HALL 2





CONNECTING THE GLOBAL ENERGY COMMUNITY









7 - 9 June 2022

5 - 8 September 2022

7 - 10 November 2022

13 - 15 February 2023











5 - 6 April 2022

26 - 28 April 2022

26 - 28 April 2022

9 - 11 May 2022

10 - 12 May 2022

GLOBAL ENERGY SHOW AWARDS



GLOBAL ENERGY NEXT GEN



8TH EDITION CHINA LNG, GAS & HYDROGEN

June 8, 2022

7 - 9 June 2022

7 - 9 June 2022

June 2022

22 - 24 June 2022



4 - 7 July 2022



5 - 7 July 2022



20 - 22 July 2022



20 - 22 July 2022



3 - 4 August 2022



13 - 15 September 2022



5 - 8 September 2022



5 - 8 September 2022



5 - 8 September 2022



27 - 29 September 2022



27 - 29 September 2022



September 2022



18 - 21 October 2022



25 - 27 October 2022



7- 10 November 2022



7- 10 November 2022



7- 10 November 2022



29 November -2 December 2022



November 2022



2022





EXHIBITOR NFWS



14 – 16 February 2022 | Egypt International Exhibition Center

PETROSYS OFFERS DATA MANAGEMENT SOFTWARE SOLUTIONS FOR SUBSURFACE **EXPLORATION**

Petrosys and our trusted business partner Nordic Geo-Consult are pleased to be demonstrating the Petrosys geoscience and data management software solutions for subsurface exploration, appraisal and development at EGYPS 2022.

Petrosys will exhibit some of its products including Petrosys PRO, GLOBEClaritas, PLDB, Petrosys dbMap® and epSHARE.

Petrosys PRO

Petrosys PRO offers subsurface modelling and mapping with unlimited capabilities, revealing the reservoir and net pay intervals. This is in addition to Velocity modelling and time to depth conversion to reduce drilling uncertainties, and finally Volumetrics to properly assess reserves. With unrivalled connectivity with many interpretation systems, you can connect to your interpreted data, create, edit and analyse surfaces with superior functionality, then send products to your chosen model-building software seamlessly.

GLOBEClaritas

GLOBEClaritas is a software that connects, builds and grows your seismic processing capabilities by designing workflows to solve challenges, not just algorithms. It streamlines production workflows without compromising quality, offering Geometry tools with; a full suite of static solutions; full suite of velocity analysis and QC; and data analysis/ QC. GLOBEClaritas is fully scalable built on Open Standard framework HDF5.

PLDB



Do you manage complex

portfolios in spreadsheets or outdated legacy systems? Streamline your portfolio management with PLDB - The team-based stochastic resource management system for the petroleum industry.

Interica OneView

Interica OneView is an artificial intelligence enabled platform for rapid data search, visualisation and archiving of your geoscience project environments and datasets.

Petrosys dbMap®

A Petrosys dbMap® data management strategy will help you build a reliable and secure collection of your E&P data, whether it's information that you have measured, interpreted, or acquired. Our extensive experience with the PPDM data model will ensure that the security and performance of your data can be tailored to meet operational needs.

epSHARE

epSHARE is a comprehensive solution specifically engineered for Subsurface Teams requiring a flexible and agile approach to E&P data management. Based on Microsoft SharePoint, epSHARE has E&P enhancements to excel at handling the complexities of subsurface data.

STAND NUM.: 2A79 HALL 2

Energy is reinventing itself, Total is becoming TotalEnergies.









TRAVEL & ACCOMMODATION



Option Travel is one of the premium Egyptian travel agencies that will help you to plan and organise a safe travel experience to EGYPS 2022.

Option Travel provide travel solutions for both business and leisure activities, providing a consistent and dependable service with flexible transportation solutions to deliver customer satisfaction.



OFFICIAL HOTEL:

Dusit Thani

SERVICES PROVIDED:











VIP SERVICES

APPLICATION

AIRPORT **TRANSFERS**

ACCOMMODATION

TOURS & **EXCURSIONS**

ZONE 1: 90 Street: Dusit Thani Lake View, Helnan Landmark

ZONE 2: Ring Road: Royal Maxim Kempinski, Renaissance Mirage City, JW Marriott **ZONE 3: Nasr City Zone:** Intercontinental City Stars, Holiday Inn



	FIRST DEPARTURE STARTS FROM	SECOND DEPARTURE STARTS FROM	THIRD DEPARTURE STARTS FROM	FOURTH DEPARTURE STARTS FROM
MONDAY 14 FEBRUARY	12:45	13:00	13:30	
TUESDAY 15 FEBRUARY	08:15	08:30	08:45	09:00
WEDNESDAY 16 FEBRUARY	08:15	08:30	08:45	09:00

SHUTTLE BUS SCHEDULE FROM THE VENUE TO HOTELS

	FIRST DEPARTURE	SECOND DEPARTURE	
MONDAY 14 FEBRUARY	19:15	19:30	
TUESDAY 15 FEBRUARY	19:15	19:30	
WEDNESDAY 16 FEBRUARY	19:00	19:30	

FOR MORE INFORMATION CONTACT:

≥ egyps@optiontravel.com.eg | \$\ +201150804949





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OFFICIAL FREIGHT **FORWARDER**



OFFICIAL BROADCAST **PARTNER**



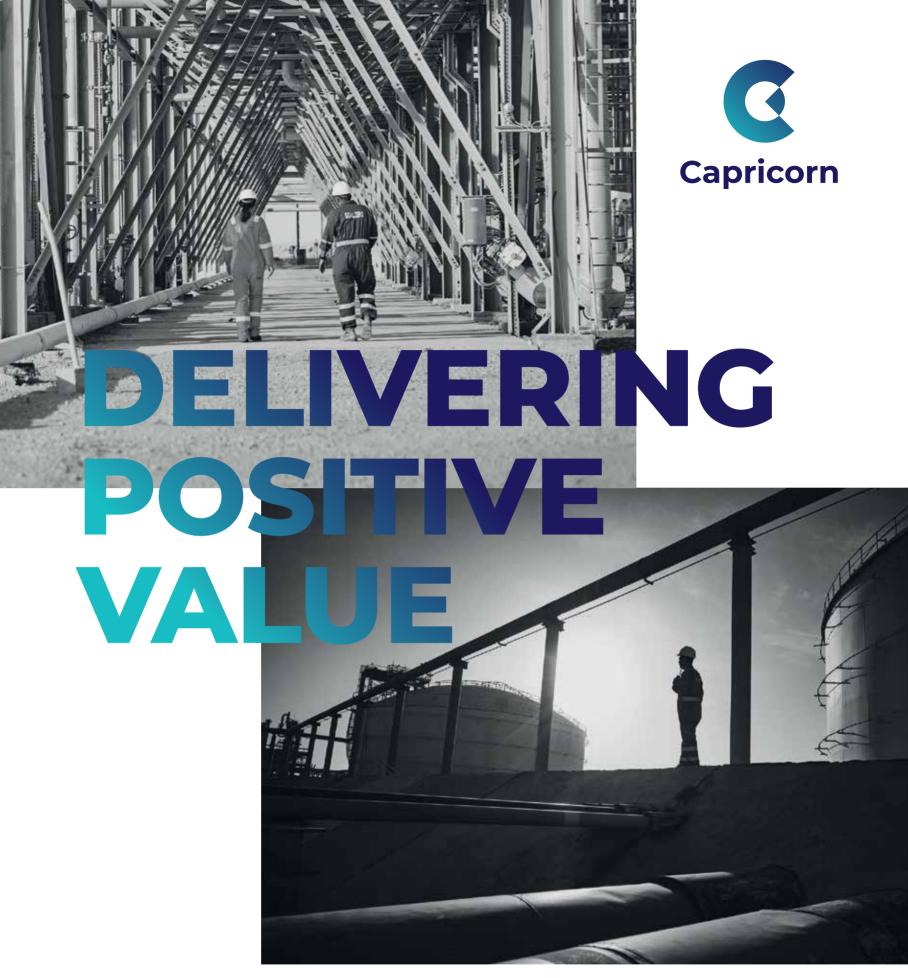
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ORGANISED BY





Capricorn has a long-term commitment to Egypt. Our acquisition alongside our partners Cheiron of Shell's Western Desert oil and gas assets in September 2021 demonstrates our belief in Egypt as a country where we can successfully operate and grow our business. Always working responsibly, we are committed to delivering Net Zero by 2040 or earlier.





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

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

