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# EGYPS 2023

## STRATEGIC CONFERENCE PROMOTES STRONGER REGIONAL UNITY

As the industry moves from climate commitments to actions and continues efforts to decarbonise its oil and gas operations, the reshaping of markets, driven by new geographical supply and demand dynamics, continues at pace. During the first day of EGYPS, the Strategic Conference



“EGYPS is considered an annual global platform with open conversations on the agenda that drives regulations, investments, security, transition, and innovation.”

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

addressed the current needs of the energy transition, being a key enabler to overcoming climate change and reducing dependence on limited energy sources.

dmg events President Christopher Hudson welcomed the attendees, highlighting the significance of the Egypt Petroleum Show (EGYPS). “No other event in the region brings together global influences on issues of strategic policy, investment, resilience, partnership, evolving energy supply and demand challenges, climate technology, and an acceleration and much more. This is a platform for the conversations that will energise the just energy transition, and a commitment to a sustainable, secure, and affordable low-carbon energy future for all.”

Hudson also announced that the next edition of the conference and exhibition will be Egypt Energy Show (EGYPES) stating that “this will not be forgetting our past, but embracing our future.”

During his opening speech, Minister of Petroleum and Mineral Resources Tarek El Molla noted that “EGYPS is considered an annual global platform with open conversations on the agenda that drives regulations, investments, security, transition, and innovation.”

Meanwhile, the Commissioner for Energy at the European Union (EU), Kadri Simson, pointed out that “despite prices, we need to keep now a firm eye on where we are going, how to turn this crisis into a foundation for a more sustainable energy future.”



CONTINUED IN PAGE 3

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# EGYPS 2023 STRATEGIC CONFERENCE PROMOTES STRONGER REGIONAL UNITY

CONTINUED FROM PAGE 1

## Managing Energy Supply, Demand

After the Strategic Conference opening, El Molla, Simson, along with H.E. Amani Abou-Zeid, Commissioner for Infrastructure and Energy at the African Union Commission (AU), had a remarkable session under the title of 'Managing Supply and Demand in Volatile times - Supporting Global Economies and Energy Security'.

During the session, they discussed the importance of embracing an innovative agenda to support partnerships that drive growth across the energy value chain, supporting global economies and energy security, as they highlighted the geopolitical uncertainty and changing dynamics of the global energy trading system.

Simson agreed saying "I do believe that Africa has vast resources, and if you compare the situation from where they are coming from, yes, there is always a chance that someone will suffer ... But no one is able to switch off the sun or wind, so hydrogen and renewable energy are very democratic. Everybody has access to these resources.

## Redrawing the Global Energy Map

As replacing Russian oil and gas becomes a global priority, Egypt and East Mediterranean countries offer energy markets a promising alternative source of natural gas, especially with recent discoveries in the region. The second strategic session of the conference titled 'Redrawing the Global Energy Map

adding that the energy industry plays a critical role in supporting continued economic development for both Egypt and the surrounding region. "Together, with Egypt's talented workforce, we look forward to responsibly producing the country's energy resources and expanding Egypt's role as a regional hub for energy production and trade." Christmann concluded.

On the other hand, Mehren highlighted that the world needs closer collaboration to overcome global obstacles, such as the Russia-Ukraine war and the COVID pandemic. "Our industry has shown that it is resilient. In the last three years, against a backdrop of pandemic, war, market disruption; we have showed that we can cope with challenges and we can deliver."

Mehren indicates that Wintershall Dea is proud to be a partner to Egypt. "Gas is needed globally, and here in Egypt we get clear signals that our ongoing investment is wanted here. We are active, producing at Disouq, active in the West Nile Delta, exploring at East Damanhour.

"I appreciate the work of His Excellency Tarek El Molla in the last six years. Egypt has evolved from importer to exporter. The country has created partnerships in the Eastern Mediterranean that would not previously have been thought possible. And we have a framework in Egypt that is reliable. That means that we can invest to produce gas for the Egyptian people and also for export.

Simonelli agreed on the importance of cooperation and partnerships at this stage. "I think a lot has been done, and barely more needs to be done as well. As we look at the energy mix changing, we have to do more technology on a faster pace, and we also have to collaborate on a much better fashion with all stakeholders."

Despite the world's interest in renewables, natural gas remains crucial for a secure energy transition. Al Hamed stated that gas "is 50% less carbon emissions," adding that "gas

has been successful cause it has delivered a reliable, efficient, and affordable energy to enable growth for economies and development worldwide."

From the perspective of technology providers, Pietri talked about supporting the energy transition by meeting its technological needs. "Our focus is on how we can help our customers, which are setting here to really accelerate their renovation and we are working with new companies, hydrogen producers, for example, to shorten the design of our new hydrogen facility by simply 5 to 80% in order to build these plants operation in a much shorter time frame."

## The EMGF's Evolution Opens Up New Horizons for Regional Collaboration

Unleashing the great potential of the East Mediterranean Gas Forum (EMGF), an eye-opening discussion titled "New Beginnings - The Race to Exploiting East Med Gas" took place as part of the Strategic Conference to dig deep into the forum's pivotal role in ensuring energy security, driving mutual economic prosperity and reducing the regional carbon footprints. This also goes in tandem with the forum's broader vision to pave the way for regional importing and exporting countries to become partners and suppliers of choice.

The panellists also shared their reflections over the past six years and their aspirations for the upcoming six years in light of the evolving energy market.

During the discussion, Minister of Petroleum and Mineral Resources Tarek El Molla stated that EMGF is a dream that came true through a multi-phase process coupled with adequate infrastructure and policies. "Now, we are having a model that can be replicated and expanded. We are showing success."

In light of this tangible success, the minister added that the neighbouring countries will be enthusiastic to join



“Despite prices, we need to keep now a firm eye on where we are going, how to turn this crisis into a foundation for a more sustainable energy future.”

**KADRI SIMSON**  
Commissioner for Energy - European Union

El Molla talked about joining the Global Methane Pledge as a promising economic opportunity as well as a chance for Egypt to positively contribute to global decarbonisation. "We did join the Global Methane Pledge initiative, and actually we are committed, and therefore we have started already and we did put the roadmap. Now we are walking on implementation." The minister explained that the capture of methane will save additional gas that can be exported. "Number two, of course, we are part of reducing the emissions and the global warming."

Meanwhile, Abou-Zeid shed light on Africa's contribution to emissions and climate action as well as its efforts to secure clean energy. "We have more than 20 African countries, which have 90% of their energy coming from renewable resources. So, we are the first, we are leaders in renewable energy by the way. In a few months' time, and despite this extremely challenging situation worldwide, 10 African countries are producing green hydrogen, four African countries are on their way to produce sustainable aviation fuel. So, that is happening in the continent that emits the least in the world."

- Fast-Tracking Delivery and Creating New Routes to Market' was a critical discussion on how to get new oil and gas supplies to the market in an efficient way, and how economies can safeguard themselves from relying on only one major supplier.

The session brought together distinguished leaders including John Christmann, CEO and President of Apache Corporation; Mario Mehren, CEO of Wintershall Dea; Mansoor Mohamed Al Hamed, CEO of Mubadala Energy; Lorenzo Simonelli, Chairman and CEO of Baker Hughes; and Antonio Pietri, CEO of AspenTech.

The session addresses energy security and affordability. Christmann pointed out that "10% of the world still needs access to low-cost, affordable energy." He added that "in Egypt today, we are growing our production and we are reducing our emissions."

"We commend H.E. President Sisi and H.E. Minister El-Molla for their leadership in establishing the first decarbonization day at COP27 last fall inviting oil and gas companies to participate which enabled a discussion about how to continue to produce reliable, affordable energy in a responsible way. A robust economic future is underpinned by a strong energy industry, Christmann said



“What we managed to do in the EMGF is to bring the stakeholders together, not just the governments but also the private sector. What we are looking for in the next six years is how we can engage more stakeholders from the private sector, from the technology companies, and also from more governments.”

**HIS EXCELLENCY OSAMA MOBAREZ**  
Secretary General of the East Mediterranean Gas Forum (EMGF)

CONTINUED IN PAGE 4

# EGYPS 2023 STRATEGIC CONFERENCE PROMOTES STRONGER REGIONAL UNITY

CONTINUED FROM PAGE 3

the forum. On a positive note, El Molla revealed that it is going to be the "Mediterranean Energy Forum" opening up new horizons for additional cooperation in a way that boosts the stability of the countries and the economies.

For his part, Osama Mobarez, Secretary General of the East Mediterranean Gas Forum (EMGF), explained how the forum has managed to make a tangible difference, bearing in mind that in the past each country was working alone.

"What we managed to do in the EMGF is to bring the stakeholders together, not just the governments but also the private sector. What we are looking for in the next six years is how we can engage more stakeholders from the private sector, from the technology companies, and also from more governments," he stressed.

Mobarez also noted that the forum managed to create a "value" and, therefore, each country and each company sees that there is a "merit" in joining this forum.



In the meantime, Kamel referred to the EU Green Deal, which is considered an enhanced framework of cooperation as well.

is no hope, then we will lose momentum."

In his speech, Fayad emphasised the importance of promoting interconnections in terms of not only gas but also electricity and other forms of energy. "This will help reach optimal solutions for every country. We are at a time where energy security and energy transition have converged. So, we can no longer think of one without thinking of the other. That is why we are looking for more sustainable energy sources."

Meanwhile, Fayad also touched upon the need to make sure that the sources are secure and diversified as much as possible.

## Striking a Balance Between Energy Transition, Security

Bearing in mind that the industry moves from climate commitments to actions in terms of advancing cleaner energy sources, the insightful session also discussed the required collaborations and partnerships in this domain.

According to El Molla, oil and gas can be seen as a solution rather than a problem. oil and gas are reasons to generate revenues that can be used to fund the budgets required for the energy transition, he added.

On a positive note, El Molla announced that next year's show will be the 'Egypt Energy Show' instead of the 'Egypt Petroleum Show', tackling all types of energies like renewable energy and hydrogen.

In a related context, Mobarez stressed the paramount importance of striking the right balance between these two aspects, referring to the East Mediterranean Forum decarbonisation initiative that was presented at COP27. "We are developing a roadmap with specific decarbonisation projects along with proper policies and proper regulations that can stimulate and encourage the private sector," he remarked.



"We commend H.E. President Sisi and H.E. Minister El-Molla for their leadership in establishing the first decarbonization day at COP27 last fall inviting oil and gas companies to participate which enabled a discussion about how to continue to produce reliable, affordable energy in a responsible way."

**JOHN CHRISTMANN**  
CEO and President - Apache Corporation

Adopting a holistic approach, Mobarez said that no single country can be a hub on its own, pointing out that a hub is not only for sending out gas but it is also for fostering deeper regional cooperation. "It is a hub for technology and for the facilities, ensuring the synergies it can do to the different infrastructures."

In a related context, Nasser Kamel, Secretary General of the Union for the Mediterranean (UfM), appreciated the efforts exerted by the EMGF, considering it a very successful framework of cooperation for the rest of the region.

Kamel elucidated that one of the UfM's key mandates is to enhance regional integration in all fields including the field of energy in a secure and affordable way. "We also focus on ensuring synergy between producers and consumers."

## Palestine, Lebanon Voice Hopes for Further Collaboration

The session also witnessed the participation of Zafer Milhem, Chairman of the Palestinian Energy & Natural Resources Authority, and Walid Fayad, Lebanon's Minister of Energy and Water, who praised Egypt's tangible efforts to enhance regional collaboration.

The Palestinian official said though Palestine is one of the first countries that discovered natural gas in the East Mediterranean since 1999, its market is still underdeveloped, grappling with numerous challenges. In this regard, the official lauded Egypt's effort to support Palestine, referring to the Memorandum of Understanding to deploy Egyptian companies to develop Marine Gas.

"This will help initiate future initiatives to explore and discover more natural gas. And, there is always hope. If there



"I appreciate the work of His Excellency Tarek El Molla in the last six years. Egypt has evolved from importer to exporter. The country has created partnerships in the Eastern Mediterranean that would not previously have been thought possible. And we have a framework in Egypt that is reliable. That means that we can invest to produce gas for the Egyptian people and also for export."

**MARIO MEHREN**  
CEO - Wintershall Dea





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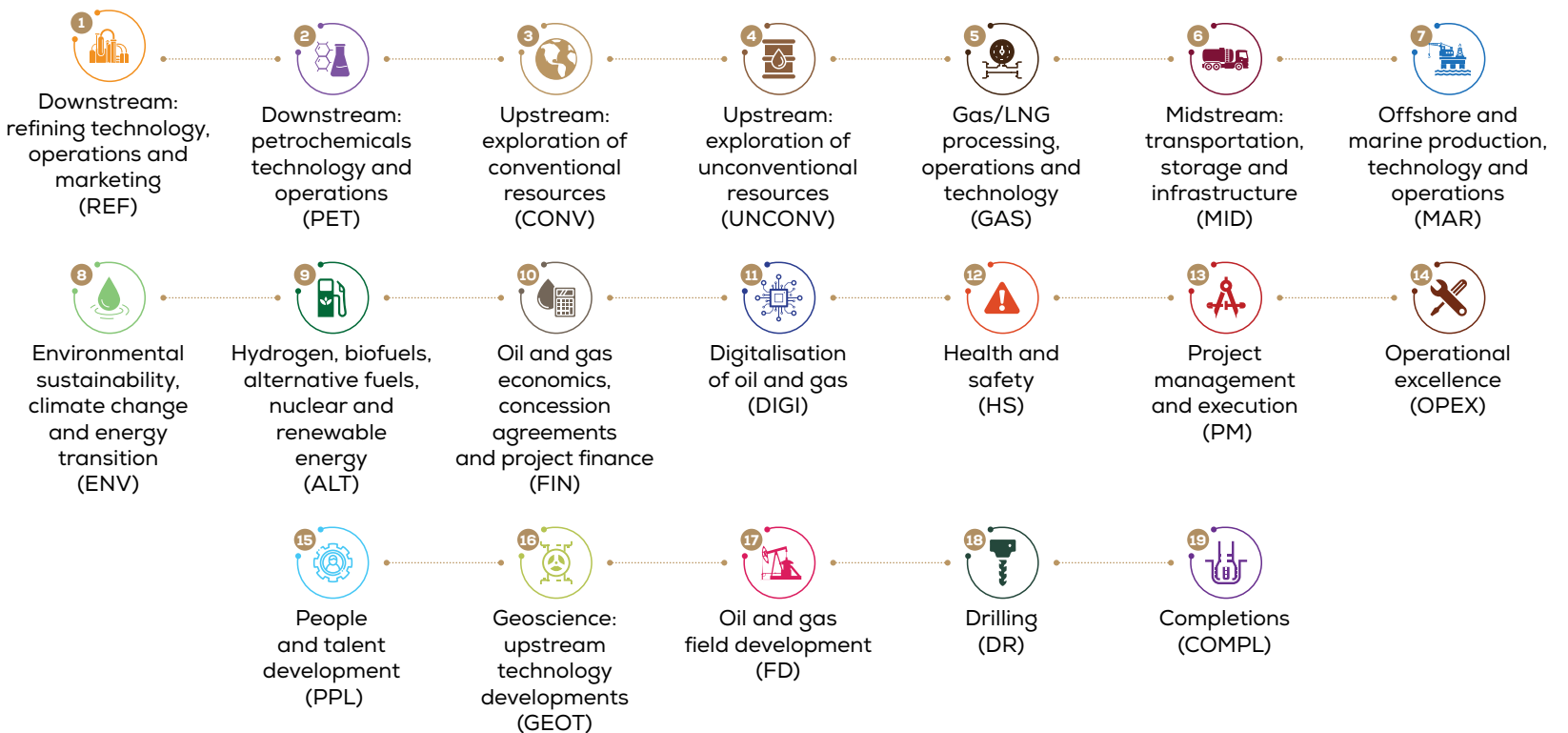


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# A STRONGER ENERGY INDUSTRY IN ALL OF OUR INTERESTS

An interview with Sameh Sabry, Managing Director of Wintershall Dea Egypt

**What type of environment should governments and decision-makers provide to incentivise the IOCs and other companies to invest in CCS?**

Wintershall Dea sees great potential for CCS. We are building up a carbon management and hydrogen business that could abate 20 to 30 million tonnes of CO2 per annum by 2040. By comparison, that's equivalent to twelve per cent of all Egyptian emissions.

We can only do that with the right framework. In Egypt, His Excellency Tarek El Molla, Minister of Petroleum, has given a clear signal that he sees a future for CCS and wants companies to engage. That gives the market clarity and confidence.

There is however a lot still to do. An investable regulatory framework needs some kind of price mechanism and incentive for CO2 capture. It needs regulation for transport and storage, and environmental regulation that creates confidence in the technology.

So there is much to do, but this challenge is not unique to Egypt. Countries around the world including our home of Germany are also at an early stage here. That's good because we can learn from another.

**How does Wintershall Dea support the Egyptian Ministry of Petroleum's CCS ambitions?**

We strongly support the ambition to develop CCS in Egypt. In 2022 we signed a memorandum of understanding with our partner EGAS to explore opportunities in the area of CCS and hydrogen. We will work on identifying potentially suitable fields for CCS in Egypt.

In addition, we want to contribute knowledge and learnings. As a long-standing industry partner to Egypt for gas and oil, we have always done this. A stronger industry in Egypt is in all of our interests!

When it comes to CCS, as a company we are already active in multiple projects in Europe. These include Project Greensand in Denmark, where we are nearing the test injection phase, and our NOR-GE cooperation with Equinor. This aims to transporting German industrial emissions to Norwegian CO2 storage sites, ultimately via a 900km pipeline. We have committed to the Ministry of Petroleum that we will share our learnings from these first projects - learnings on everything from technical to commercial challenges. My hope is that Egypt will be able to quickly learn from some of the early challenges experienced elsewhere.

**What key exploration areas in Egypt is Wintershall Dea looking into and are there any more big discoveries that could happen in the near future?**

We want to grow in Egypt and exploration is a part of that.

We have two core exploration priorities right now. Both are guided by Wintershall Dea's focused exploration strategy: we explore in mature areas, close to existing infrastructure where we have the possibility for efficient development of any discoveries.

Our first focus is East Damanhour in the onshore Nile delta. It's near to our Disouq project, so we know the area well, and there is infrastructure nearby. In January we were pleased to announce that we had discovered natural gas in the second well in the license. We will now assess the discovery as a possible tie-back development towards Disouq.

The second focus is as partner to bp for the recently awarded North West Abu Qir block. This is adjacent to the producing Raven field in the West Nile Delta project, where we are also partner to bp. So again, it offers the potential for additional volumes delivered via existing infrastructure.

I am confident there will be further promising discoveries in Egypt. With continually growing demand in Egypt and a tight global market, every barrel, every molecule counts. We will continue to play our part to bring more energy into production.

**As one of the leading oil and gas companies, what are Wintershall Dea's investment plans in digitalisation and technology for Egypt in the next period?**

For any readers interested in digitalisation and technology, let me make a suggestion: visit our stand at EGYPS and talk with some of our global digitalisation and technology colleagues face-to-face!

They'll happily tell you about Wintershall Dea's clear strategy for digitalisation and technology. How we rigorously assess technological solutions that might add value to our operations. How we develop them through a tough process, and when we are really sure that they add value, we scale them across our global business.

I can tell you - we have already seen impacts in Egypt. For example, the introduction of our artificial-intelligence powered exploration search engine, the Exploration Advisory Tool, is helping us make better decisions, faster. This is not



the only example. We are looking at how we can apply innovations in everything from nanofluids to wastewater handling.

**As a company that invests heavily in digitalisation, where do you think digitalisation is heading in Egypt in the long term, and how does Wintershall Dea fit into that picture?**

When you compare our sector to others - retail, entertainment, communications - you see that energy is still at the beginning of the digitalisation journey. So there is only one direction to go in: the sector will continue to invest in digitalisation and in data.

There is only one good way to do that. It is firstly to develop your data architecture. So that data from across our business is available and accessible. For example, so that engineers in Egypt can profit from analysis of data from a platform in Norway. You can only profit from 'big data' when you have all that data accessible in one place. Once you have your data architecture well established then you can really start to reap the benefits. This is the approach we have taken and I believe it is the right one.

For those companies that get it right, we believe we will start to see more and more exciting innovations as we master the power of big data and what can be done with it. More automation, more artificial intelligence empowered decision

making. Better decisions, faster. That's what it's all about for us!

**How do you think this edition of EGYPS 2023 will be different from previous editions and what would you really like to see this year at the event?**

I expect and hope that EGYPS 2023 will reflect the important trends that our sector is seeing day-in, day-out. That means, a serious discussion about security of supply, Egypt, and the world need energy. A focus on digitalisation, and on CO2 and methane reduction. These are essential to the future competitiveness and sustainability of the Egyptian sector.

Finally, I expect a growing focus on topics like CCS. I think EGYPS 2023 will feel-like a game changer in this regard. This year, topics like CCS will feel like a much more mainstream part of our sector in Egypt and I think that this is positive.



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# ENHANCING GLOBAL ENERGY EFFICIENCY TOPS EGYPS TECHNICAL DISCUSSIONS AGENDA



The EGYPS 2023 Technical Conference provides the industry's oil and gas professionals with 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. The conference programme covers subjects from exploration and field development to HSE, digitalisation and biofuels – featuring a wide array of topics that are useful for any professional who wants to keep up with current developments in their specialised field.



The Technical Conference has been created from a global industry-wide call for papers campaign featuring 19 technical categories and a thorough two-stage Technical Committee review, comprising over 80 industry specialists. In EGYPS 2023, the technical programme features over 180 experts speaking at 45 sessions.

Across three days, international and regional technical expert speakers will share their wealth of experience and knowledge. Dr. Samir Elkareish, Vice Chairman, Energy Transition Egyptian Natural Gas Holding Company (EGAS), indicates that this technical conference in EGYPS 2023 gives valuable information about "Innovation in technology, investment in research and agility to scale-up and deploy technical solutions remain crucial to industry transformation. At EGYPS 2023, the Technical conference will drive critical conversations around the future of oil, gas and energy, providing technical enrichment for engineers, technical experts and digital champions."

A session titled "A Pragmatic Transition to Net Zero Energy Production" addressed the

ever-growing need to transition to net zero energy production. During the discussion, Yasser Gamal-Eldin from MAN Energy Solutions Egypt stressed on the urgency to shift into reducing CO2 emissions, saying "CO2 emissions from power have to decline by around 60% in 2030 in order to reach net zero energy production by 2050". In addition to the need to reduce emissions, renewables in global electricity supply will increase to 60% by 2030. CO2 price and future fuel price development will drive the readiness to invest in climate friendly products. The power sector investment will nearly triple to \$2.2 billion in 2030.

During another session titled "Reducing Carbon Footprint and Greenhouse Emissions in Few Steps for Quick Results and Fast ROI", Schneider Electric Strategic Account Executive Tiziana Paolicelli talked about what needs to be done to deliver customer-valued sustainable performance by 2025. These objectives include a "100% substitution with SF6-Free medium voltage technologies [and an] increase the green material content in our products to 50%." She also highlighted that it is

important "to make sure that 100% of our primary and secondary packaging is free from single-use plastic and uses recycled cardboard."

Furthermore, the third session, which witnessed the participation of Babcock Wilcox Managing Director Wassim Moussaoui, addressed the topic of "Considerations When Co-Firing Hydrogen with Natural Gas or Oil for Carbon Emission Reduction". He mentioned that "Industrial facilities can improve their carbon footprint with the use of non-carbon-based fuels. But to achieve that, a comprehensive evaluation of the overall combustion system is needed to achieve safe and successful transition to non-carbon-based fuel

firing."

Finally, in the fourth presentation titled "Net Zero Carbon Intelligent Campus" delivered by Mostafa Hazem, Solution Director – Oil & Gas Sector for North Africa Region, Huawei, discussed key decarbonisation and energy transition methodologies. "From Huawei's perspective; the methodology to achieve energy transition relay on three main aspects which are: net zero transformation, energy transformation, and digital transformation," said Hazem. "The best-case scenario is to balance between these aspects to achieve a net zero smart industrial campus."

Another interesting session provided





three remarkable presentations giving insights on how to empower people for more operational success. The session titled "People and Talent Management" and was co-chaired by Hesham Kamal, GeoUnit Recruiting Manager at SLB and Mostafa Kortam, Senior Reservoir Engineer at Petrobel.

The first presentation was given by Maha Zahran, Risk and Strategic Planning at Petrojet, entitled "Do not build businesses, build people and people will build businesses." She tried to show the necessity of setting the talent development plans in the strategy of the companies in order to overcome the issue of lack of implementation of such plans. Through her presentations, Zahran wants the companies to align the employees' goals with the organizational ones.

Additionally, she said that the "human resources departments [have] to take input from all functional levels and compile [it] in one strategic development approach". Zahran concluded her presentation with a discussion on how to implement strategic talent development.

In the same regard, another imperative presentation entitled "The Impact of Succession Planning on Leadership Development" was given by Moataz Nassar, Project Director at Engineering for Petroleum and



Process (Enppi). During his presentation, Nassar discussed the basic elements of succession planning and its importance to companies. He said that "succession planning is highly required to the companies because without it, the companies may face loses in capabilities and increase in the costs."

Nassar stressed that this succession plan should be implemented in all key positions. Moreover, he provided a detailed explanation of how to generate a successful management plan. Nassar advised that "every company should have its leadership development system, build a base of

people and develop their core competencies including the skills, knowledge and abilities through long-term plans."

Additionally, Wafaa Tantawy, Head of HR and Admin at Kuwait Energy concluded the session with a wonderful presentation on "People and Talent Development." She talked about HR transformation theory and how it is applied. Tantawy explained what is HR transformation and why it is needed. "HR transformation means we are not taking care about the activities or improving the activities in the HR, but we are taking care about the outcome of the business, have a

focus on improving this outcome and link this output to the strategy of the organisation," she stated.

Tantawy discussed how to do this transformation and who is responsible for implementing it. Also, she explained how her company applied this theory. She discussed Kuwait Energy's performance management process as well as its leadership development programme. Tantawy stated: "When we [the company] started this transformation, we achieved 69% of the company's target and this year we achieved the double of our objectives."

## TECHNICAL SESSIONS AGENDA

	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5
TUESDAY 14 FEBRUARY	<b>Time</b> <b>10:00-11:30</b> <b>CATEGORY: PET SESSION 11</b> Towards a sustainable petrochemical industry	<b>CATEGORY: MAR SESSION 12</b> New offshore technologies resolving operational challenges	<b>CATEGORY: DR SESSION 13</b> Wellbore stability and fluids innovation	<b>CATEGORY: UNCONV SESSION 14</b> Integrating subsurface data to unlock unconventional resources	<b>CATEGORY: BIO SESSION 15</b> Renewable energy: technology, operations, integration with existing facilities
	<b>11:30-13:00</b> <b>CATEGORY: REF SESSION 16</b> Refining developments and advancements	<b>CATEGORY: MID SESSION 17</b> Transportation, storage and infrastructure for midstream operations	<b>CATEGORY: DR SESSION 18</b> Drilling challenges and optimisation	<b>CATEGORY: UNCONV SESSION 19</b> Tapping into productivity enhancement in unconventional resources	<b>CATEGORY: BIO SESSION 20</b> Green ammonia and hydrogen production and usage
	<b>14:00-15:30</b> <b>CATEGORY: REF SESSION 21</b> Refining innovation and profitability	<b>CATEGORY: GAS SESSION 22</b> Operational solutions for Gas/LNG processing	<b>CATEGORY: COMPL SESSION 23</b> Production optimisation through smart completion and intervention solutions	<b>CATEGORY: FD SESSION 24</b> Enhanced oil recovery (EOR)	<b>CATEGORY: BIO SESSION 25</b> Latest developments in green hydrogen
	<b>15:30-17:00</b> <b>CATEGORY: DIGI SESSION 26</b> Advanced digital transformation Initiatives	<b>CATEGORY: GAS SESSION 27</b> Gas /LNG new initiatives	<b>CATEGORY: COMPL SESSION 28</b> Reservoir productivity enhancement utilising innovative and stimulation technologies	<b>CATEGORY: FD SESSION 29</b> Reservoir monitoring and surveillance	<b>CATEGORY: BIO SESSION 30</b> Biofuels technology, production and usage

# COMMITTED TO FACING CHALLENGES, DRIVING VALUE CREATION

An interview with Shahrizal Bin Shahari, CEO, Petronas Egypt

**As the energy transition is a significant topic in the petroleum scene recently, how does PETRONAS support in achieving this global goal?**

As a progressive energy and solutions partner, PETRONAS is dedicated to making a meaningful contribution to the energy transition and achieving a sustainable energy future. While oil and gas will remain our core, we've ventured into multiple pathways that reflect our support of the energy transition. These efforts include:

**Expansion into Clean and Renewable Energy:** We are actively investing in renewable energy sources such as solar, wind, and biofuels, with the aim of increasing the share of renewables in our energy mix. To this end, PETRONAS launched GENTARI, a clean energy solutions entity, to deliver integrated and sustainable energy solutions and capture opportunities in the energy transition. GENTARI offers lower carbon solutions through Renewable Energy, Hydrogen, and Green Mobility.

**Energy Efficiency:** We are continuously improving our operations to reduce energy consumption and emissions. This includes investing in energy-efficient technologies and processes and implementing best practices in energy management. In fact, PETRONAS largest LNG production facility, the PETRONAS LNG Complex in Bintulu, will be partially powered by renewable energy starting 2024 which reduces our carbon footprint.

**Low-Carbon Solutions:** We are exploring and developing low-carbon solutions such as carbon capture, utilization, and storage (CCUS). We believe that these technologies will play a crucial role in reducing carbon emissions in the energy sector. In fact, PETRONAS has taken a final investment decision (FID) for the development of the Kasawari carbon capture and storage (CCS) project offshore Sarawak in Malaysia. Significantly, it will be one of the first large-scale CCS schemes in Southeast Asia and takes Malaysia closer to its goal of becoming a regional hub for carbon storage solutions.

**Strategic Partnerships:** PETRONAS understands that the energy transition is a global effort and requires the involvement of all stakeholders. We are engaging with governments, communities, and customers to build a sustainable energy future together. Our partnerships and collaborations help us to co-create solutions and drive positive impact.

**What are the latest techniques that help PETRONAS to implement its strategy?**

Particularly for our operations in Egypt, PETRONAS together with our partner and EGAS have awarded a front-end engineering and design (FEED) contract

to a coalition led by Bechtel to study a new power system between two Egyptian plants. The project will look at connecting the onshore gas processing plant of the West Delta Deep Marine (WDDM) with the Egyptian LNG export terminal (ELNG) to make the power system more efficient. The goal is to optimise the number of gas turbine generators and make the plants run more efficiently, reducing greenhouse gas emissions and fuel consumption.

**What is PETRONAS ambition to expand its business markets?**

In Egypt, PETRONAS is focused on making the most of its current assets while also exploring new areas for potential production. This includes working on the exploration blocks and opportunities to maximise existing producing assets.

PETRONAS sees a bright future for Egypt's energy market and is committed to finding new opportunities to grow and contribute to the country. By doing so, we hope to attract even more investors and play a role in Egypt's energy success.

**How does PETRONAS face the current energy challenges?**

PETRONAS is actively addressing the current energy challenges by embracing a diverse energy mix and acquiring renewable energy assets. We believe in the importance of the global energy transition and are committed to supporting the push towards Net Zero Carbon Emissions by 2050.

To ensure long-term value creation for our stakeholders, we offer innovative and sustainable solutions that meet the evolving needs of our customers. Our expanded portfolio, which includes natural gas and LNG, is well-positioned to respond to shifting energy demands and support various industries.

As the energy transition accelerates, we recognize the crucial role that both gas and renewables will play in meeting the world's energy needs. Natural gas has proven to be a more resilient energy source, and we believe that its use will continue to increase in light of the growing demand for sustainable fuels, the rising popularity of electric vehicles, and the increasing efficiency of the transportation sector.

Moving ahead, PETRONAS is fully committed to facing the current energy challenges by providing innovative, sustainable, and customer-centric solutions that drive long-term value creation for all stakeholders.

**What is PETRONAS outlook for the Egyptian petroleum market?**

PETRONAS views the Egyptian oil and gas market as having a strong potential for growth and development. We



believe that Egypt's abundant natural resources and favorable business environment make it an attractive market for investment and growth in the energy sector.

As a leading player in the industry, PETRONAS is committed to identifying and pursuing opportunities in the Egyptian market. Our focus is on maximising the production of our existing assets while also exploring new areas for potential development. We are confident in the future of the Egyptian energy market and are committed to playing a role in its continued success.

Overall, PETRONAS sees a bright outlook for the Egyptian oil and gas market and will continue to assess new opportunities to grow and contribute to the country's energy sector.

**What expected benefits would PETRONAS get from EGYPS 2023?**

PETRONAS has been active in Egypt since 2001 and brings over 40 years of experience in the oil and gas industry. As an exhibitor at EGYPS 2023, we see it as a prime opportunity to showcase our integrated and end-to-end capabilities in the industry. EGYPS 2023 provides us with a platform to introduce our innovative solutions, including those in the LNG value chain, to a targeted audience.

At the event, we will build relationships, stay updated on market trends, and demonstrate our customer-centric solutions and commitment to sustainable energy development. Our participation at EGYPS 2023 is expected to bring numerous benefits, including the opportunity to strengthen relationships, gain valuable market insights, and enhance our reputation as a one-stop centre for lower-carbon energy solutions.



**PETRONAS**

STAND NO: 3C28 HALL 3



# UNLOCK THE FULL POTENTIAL OF YOUR NETWORKING EXPERIENCE



## SEARCH

the exhibitor and product list



## NAVIGATE

the exhibition floor plan



## VIEW

speakers and conference sessions



## SCHEDULE

onsite meetings

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# STRATEGIC CONFERENCE AGENDA



## EGYPS STRATEGIC CONFERENCE

Tuesday 14 February 2023

### Global Business Leaders Session

10:30 - 11:15

Decarbonising the industry – in building a winning downstream portfolio, where do alternatives such as renewable feedstocks sit?



Jean Sentenac  
President and CEO  
Axens



Rich Sumner  
CEO  
Methanex Corporation



Andreas Shiamishis  
CEO  
HELLENIO ENERGY



Ibrahim Abdelqader  
Mekki Mahgoub  
President and Chairman  
Egyptian Petrochemicals  
Holding Company  
(ECHEM)



Jean-Philippe Torres  
Senior Vice-President  
Africa  
TotalEnergies



Dr Cord Landsmann  
CEO  
thyssenkrupp Uhde



Moderator  
Eithne Treanor  
Presenter  
EGYPS 2023

### ★ FEATURE

11:15 - 11:45

Fireside chat: African gas



Milton Catelin  
Secretary General  
International Gas Union  
(IGU)



Rashid Abdallah  
Executive Director  
African Energy  
Commission  
(AFREC)



Mickael Vogel  
Director & Head  
of Research  
Hawilti



Moderator  
Khaled Abubakr  
Executive Chairman  
TAQA Arabia

### Global Business Leaders Session

11:45 - 12:30

The rise of gas and LNG – the global scramble in a tight market with soaring prices

Session Sponsor



John Ardill  
Vice President  
Global Exploration  
ExxonMobil



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



Yossi Abu  
CEO  
NewMed Energy



Mathios Rigas  
CEO  
Energean



Cederic Cremers  
Executive Vice President  
LNG  
Shell



Moderator  
Aida Araissi  
CEO  
Bilateral US Arab  
Chamber of Commerce

### Global Business Leaders Session

13:30 - 14:15

Pivoting from traditional oil and gas operations to new generation energy solutions – driving change through tough asset portfolio choices



Alessandro Bernini  
CEO and  
Chief Operating Officer  
Maire Tecnimont Group



Paul Marsden  
President, Energy  
Bechtel



Alessandro Puliti  
CEO  
Saipem



Anja Isabel Dotzenrath  
Executive Vice President  
Gas and Low Carbon  
Energy  
bp



Luca Vignati  
Upstream Director  
eni



Moderator  
Iman Hill  
CEO  
International Association  
of Oil & Gas Producers  
(IOGP)

### ★ FEATURE

14:15 - 14:45

Fireside chat: East Med gas



Clay Neff  
President  
Chevron International  
Exploration & Production



Moderator  
Eithne Treanor  
Presenter  
EGYPS 2023

### Global Business Leaders Session

14:45 - 15:30

Decarbonising oil and gas sustainably – breaking down barriers through investment, innovation and technology



Song Yu  
Executive President, UEG  
and CEO, Kuwait Energy



Maria Rita Galli  
CEO  
DESFA



Sherif Foda  
Chairman of the Board &  
CEO  
NESR – National Energy  
Services Reunited



Dr Patrick Allman-Ward  
CEO  
Dana Gas



Marco Villa  
Chief Operating Officer  
Technip Energies



Moderator  
Eithne Treanor  
Presenter  
EGYPS 2023

### Ministerial Interview

15:30-16:15

Collaboration, stability, prosperity, sustainability and transition – Egypt, a country transforming at speed



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



Moderator  
Eithne Treanor  
Presenter  
EGYPS 2023





# Introduce Solar as Major Power for Oil & Gas Production

With Huawei FusionSolar Smart Micro Grid Solution



Smart String ESS

Smart PCS

STS

Capacity up to 100MW

## Higher Reliability of Power Supply

Seamless online transition of MV off-/on-grid change-over, effectively avoiding power outage loss \$ 2 Million/ MW

## Optimal LCOE

LCOE reduced by 50% +, compared with traditional diesel solutions

## Proactive Safety

Smart String-level Disconnect, higher PV system safety

# MANAGING TRADITIONS FOR CONTINUED SUCCESS

## An interview with Karim El-Dessouky, Vice President and General Manager, Bechtel Egypt

### How does Bechtel help accelerate the progress of a cleaner environment?

We all have to play our part in the global effort to bring greenhouse gas emissions to net zero to help stabilize the planet's temperature and mitigate the impacts of climate change.

Bechtel is committed to achieving net zero emissions by 2050, and we are currently in the process of setting interim targets that align with the findings of the UN Intergovernmental Panel on Climate Change. To meet the world's Climate Change agenda, our primary focus is on targeting and reducing emissions, rather than offsetting them, followed by carbon removal to counteract remaining emissions and get us closer to our net zero goal. Each project we build from now on has a role to play in our greater carbon footprint. We align with our customers as well as work with our partners and suppliers to make sure we, and the industry, achieve sustainable results.

### In your opinion, what were the most important outcomes of COP27?

COP27 under the theme "Together for Implementation", brought together more than 45,000 participants to share ideas, solutions, build partnerships and coalitions. Indigenous peoples, local communities, cities, and civil society, including youth and children, showcased how they are addressing climate change and shared how it impacts their lives. It closed with a breakthrough agreement to provide "loss and damage" funding for vulnerable countries hit hard by climate disasters. Creating a specific fund for loss and damage marked an important point of progress, with the issue added to the official agenda and adopted for the first time at COP27.

This was the first COP seeing the oil and gas sector being invited in recognition of their crucial role in decarbonisation, with their participation in a new thematic day, "Decarbonization Day". The sector leaders addressed the importance of mobilisation of finance, access to technology, and building the capacity to accelerate the energy transition, which are all key drivers for the role that oil and gas companies have to support the climate change challenge.

At COP27, Bechtel showcased its commitment to the energy

transition and the ongoing efforts to help our customers achieve their targets to provide more low-carbon energy. We were very happy to jointly present with the Ministry of Petroleum on Decarbonization Day including leading the development of the "Decarbonization of the East Med Region" report for the East Mediterranean Gas Forum (EMGF).

The Decarbonization Thematic Day highlighted the Bechtel-Led Coalition for Decarbonization in Egypt as a best practice example of a private-public sector collaboration to be used globally during which we presented the six-year decarbonisation plan to decarbonise the existing onshore oil and gas facilities in Egypt by proposing facility modifications that provide meaningful emissions reduction, energy efficiency, and operating cost savings.

We also announced the commencement of two projects under the Bechtel-Led Coalition for Decarbonization in Egypt, the Idku Power Unification project with EGAS, Shell, and Petronas; and the ELNG Zero Routine Flaring project with Egyptian LNG.

In addition, the event witnessed the roll-out of the Corporate Coalition for Innovation and Technology Towards Net Zero (CCITNZ) which positions Bechtel to partner with compatible firms; deploy new technologies; combat emissions and promote decarbonisation, especially methane abatement.

### What is Bechtel's outlook for Egypt's petroleum sector?

Bechtel is proud of our long association with Egypt – a partnership in which we've worked together to advance economic development and enhance the quality of life for the Egyptian people. Whether helping to build gas processing and LNG facilities, or power stations, our work together has helped create new opportunities and position Egypt as an economic engine for the region. Bechtel has engaged with the Ministry of Petroleum and Mineral Resources on several signature projects – the Suez Petrochemicals Complex, Decarbonization of Oil & Gas Facilities across Egypt program, and Standardizing Safety across Egypt Program.

Under the Bechtel-led Coalition for Decarbonization of Oil & Gas facilities across Egypt, our six-year



This event is an opportunity for our team to engage with other companies looking to support the ongoing success of the oil and gas industry in Egypt.

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

### What is Bechtel's outlook for 2023?

This year, Bechtel celebrates 125 years of extraordinary people building inspiring projects.

"No one working with my great-great-grandfather in 1898 could have possibly imagined what Bechtel would become over these past 125 years, nor can we predict the next 125 years. But this we can say with confidence: We've been making history for 125 years, and we're just getting started," said Brendan Bechtel, CEO and Chairman.

We are now writing the next chapter in Bechtel's story, refusing to rest on past accomplishments and rising to meet new challenges.

We are serving new customers, launching new business lines, hiring the next generation of talent, and innovating in areas from decarbonisation to digital design, minerals production, advanced nuclear power, and high-tech manufacturing. In short, we are putting the pieces in place to make the company stronger than before, just as previous generations have done.

We are humbled to be entrusted with work we love, building projects full of purpose and solving challenges around the world.

decarbonisation plan received a full endorsement by the Minister of Petroleum and Mineral Resources at COP27 and at the EMGF 8th Ministerial Meeting. The Minister instructed the formation of a committee, chaired by the Minister to drive the implementation of the six-year decarbonisation plan by regional oil and gas clusters across Egypt. We are currently working with the Ministry to engage with the MOP facilities.

We are also leading an initiative jointly with H.E. Minister El Molla to standardise safety work practices across Egypt by building practical hazard schools for every oil and gas region in Egypt. The first school built by Bechtel, bp and Petrojet in Ain Sokhna will be operated by the EGPC and will generate an income that will allow a second and third school to be built moving forward by the EGPC. The first hazard school is currently being built by Petrojet on the Suez Petrochemicals Complex site and we anticipate this to be completed and in operation by Q1 2023.

### What do you expect EGYPS 2023 will add to Bechtel?

EGYPS has become one of the most important energy exhibitions and conferences in North Africa and the Mediterranean because it gathers key industry leaders in the market, government representatives, key project owners, NOCs, IOCs, international service providers, EPC contractors, consultants, and financiers. Therefore, it is the perfect place to meet, exchange ideas, talk about projects and build a stronger network with all the exhibitors.



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تحت رعاية صاحب السمو الشيخ محمد بن زايد آل نهيان، رئيس دولة الإمارات العربية المتحدة  
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## The Future of Energy - Join the Conversation

ADIPEC is the largest and most inclusive gathering for the global energy industry. Hosted by ADNOC, the event facilitates high-level strategic dialogue and international collaboration to deliver tangible actions towards a responsible and realistic energy transition.



### The Exhibition

#### Unlock millions of dollars worth of new business

95% of attendees at ADIPEC are decision makers, purchasers or influencers. Attracting more than 2,200 exhibiting companies, 28 international country pavilions and more than 160,000 attendees from 164 countries, ADIPEC attracts real buying power from around the world.

#### Specialised industry areas

Alongside the exhibition, ADIPEC 2023 will host specialised zones, enabling the global energy industry to strengthen existing business partnerships and form new models of cross-sector collaboration to drive future business.

##### Maritime & Logistics Zone

Connecting the maritime community and the global energy industry

##### Smart Manufacturing Zone

Transforming the future of global manufacturing

##### Decarbonisation Zone

Creating decarbonisation strategies for a sustainable future

##### Digitalisation in Energy Zone

Helping technology and energy companies realise the full benefits of digitalisation in energy



### The Conferences

The ADIPEC 2023 conference programmes will provide strategic and technical insights, hosting over 1,500 ministers, global policy makers and energy CEOs. The conferences welcome more than 15,000 delegates, discussing key trends shaping the future of energy, including the challenges and opportunities of the energy transition, geopolitical factors influencing energy markets, new finance and partnership frameworks and the latest technical developments.

#### ADIPEC conferences include:

- Strategic Conference
- SPE Technical Conference
- Hydrogen Strategic Programme
- Smart Manufacturing Strategic Conference
- Smart Manufacturing Technical Conference
- Maritime & Logistics Conference
- ADIPEC Forum for Diversity, Equity and Inclusion
- Decarbonisation Conference
- Future Leaders Programme
- Downstream Technical Conference

160,000

Energy professionals

54

NOCs, IOCs, NECs and IECs

1,500

Conference speakers

2,200

Exhibiting companies

15,000

Conference delegates

28

Country pavilions

350

Conference sessions

164

Countries represented

#### Join the conversation at ADIPEC 2023



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# SCHEDULE OF CONFERENCES

TUESDAY 14 FEBRUARY

STRATEGIC CONFERENCE

<p><b>10:30 - 11:15</b></p> <p>Global Business Leaders Session Decarbonising the industry - in building a winning downstream portfolio, where do alternatives such as renewable feedstocks sit?</p>	<p><b>11:15-11:45</b></p> <p><b>FEATURE</b> Fireside chat: African gas</p>	<p><b>11:45-12:30</b></p> <p>Global Business Leaders Session The rise of gas and LNG - the global scramble in a tight market with soaring prices</p> 	<p><b>13:30 - 14:15</b></p> <p>Global Business Leaders Session Pivoting from traditional oil and gas operations to new generation energy solutions - driving change through tough asset portfolio choices</p>	<p><b>14:15 - 14:45</b></p> <p><b>FEATURE</b> Fireside chat: East Med gas</p>	<p><b>14:45 - 15:30</b></p> <p>Global Business Leaders Session Decarbonising oil and gas sustainably - breaking down barriers through investment, innovation and technology</p>	<p><b>15:30 - 16:15</b></p> <p>Ministerial Interview Collaboration, stability, prosperity, sustainability and transition - Egypt, a country transforming at speed</p>
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TUESDAY 14 FEBRUARY

SUSTAINABILITY IN ENERGY CONFERENCE & AWARDS

<p><b>10:00 - 10:15</b></p> <p><b>Ministerial keynote speech</b> Egypt's commitment to sustainability as part of Vision 2030</p>	<p><b>10:15 - 10:30</b></p> <p><b>Keynote speech</b> Driving sustainable performance in challenging market conditions</p>	<p><b>10:30 - 11:15</b></p> <p><b>Panel discussion</b> Streamlining operations to tackle climate change and net-zero target</p>	<p><b>11:15 - 12:00</b></p> <p><b>Panel discussion</b> Digitalisation as an enabler of decarbonisation</p> <p><b>HALLIBURTON</b></p>	<p><b>12:00 - 12:45</b></p> <p><b>Panel discussion</b> Demonstrating ESG credentials to drive sustainability and growth</p>	<p><b>13:45 - 14:30</b></p> <p><b>Panel discussion</b> Building partnerships to drive CSR progress in North Africa and the East Mediterranean</p>	<p><b>14:30 - 15:15</b></p> <p><b>Panel discussion</b> Scaling R&amp;D to unlock technology and enhance industry safety</p>	<p><b>15:15 - 16:00</b></p> <p><b>Panel discussion</b> Advancing the oil and gas safety culture</p>
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WEDNESDAY 15 FEBRUARY

FINANCE & INVESTMENT IN ENERGY CONFERENCE

<p><b>10:00 - 10:15</b></p> <p><b>Ministerial Keynote Speech</b> Transforming Egypt into a regional energy trading hub</p>	<p><b>10:15 - 11:00</b></p> <p><b>Panel discussion</b> Capitalising on investment opportunities in North Africa and the East Mediterranean</p>	<p><b>11:00 - 11:45</b></p> <p><b>Panel discussion</b> Solving Europe's gas supply in the short and long term through targeted investments</p>	<p><b>11:45-12:30</b></p> <p><b>Panel discussion</b> Accelerating decarbonisation and energy security through public private partnerships</p>	<p><b>13:30 - 14:15</b></p> <p><b>Panel discussion</b> Overcoming the market impacts of ESG investment constraints</p>	<p><b>14:15 - 15:00</b></p> <p><b>Panel discussion</b> Africa Focus: The role of natural gas to drive economic growth and reduce energy poverty</p>	<p><b>15:00 - 15:45</b></p> <p><b>Panel discussion</b> Financing the energy transition</p>	<p><b>15:45-16:30</b></p> <p><b>Panel discussion</b> The evolving role of a CFO as a catalyst for digital transformation</p>
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WEDNESDAY 15 FEBRUARY

EQUALITY IN ENERGY CONFERENCE & AWARDS

<p><b>10:00 - 10:15</b></p> <p><b>Keynote address</b> Reinventing the workplace and workforce of the future</p>	<p><b>10:15 - 11:00</b></p> <p><b>Panel discussion</b> Building a net zero-ready workforce</p>	<p><b>11:00 - 11:45</b></p> <p><b>Panel discussion</b> Harnessing the power of change management for an agile culture</p>	<p><b>11:45 - 12:30</b></p> <p><b>Panel discussion</b> Attracting Millennials and Gen Z into the energy sector</p>	<p><b>13:30 - 14:30</b></p> <p><b>Lighting talks and audience Q&amp;A</b></p> <ul style="list-style-type: none"> <li>The digital future: closing the skills gap</li> <li>Managing the unconscious bias in pay and promotion</li> <li>Creating an equitable, diverse and inclusive culture</li> </ul>	<p><b>14:30 - 15:15</b></p> <p><b>Panel discussion</b> Gender equality and the role of women in the clean energy transition</p>
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# TECHNICAL SESSIONS

## 19 TECHNICAL CATEGORIES

Upstream: Exploration of Conventional Resources (CONV)	Upstream: Exploration of Unconventional Resources (UNCONV)	Geoscience: Upstream Technology Developments (GEOT)	Oil and Gas Field Development (FD)	Drilling (DR)
Completions (COMPL)	Gas/LNG Processing, Transportation, Operations and Technology (GAS)	Midstream: Transportation, Storage and Infrastructure (MID)	Offshore and Marine Technology and Operations (MAR)	Oil and Gas Economics, Concession Agreements and Project Finance (FIN)
Project Management and Execution (PM)	Operational Excellence (OpEx)	Health, Safety (HS)	Environmental Sustainability, Climate Change and Energy Transition (ENV)	Downstream: Refining Technology, Operations and Marketing (REF)
Downstream: Petrochemicals Technology and Operations (PET)	Biofuels, Alternative Fuels and Renewable Energy (BIO)	Digitalisation of Oil and Gas (DIGI)	People and Talent Development (PPL)	

	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
TUESDAY 14 FEBRUARY	10:00-11:30	CATEGORY: PET SESSION 11 Towards a sustainable petrochemical industry	CATEGORY: MAR SESSION 12 New offshore technologies resolving operational challenges	CATEGORY: DR SESSION 13 Wellbore stability and fluids innovation	CATEGORY: UNCONV SESSION 14 Integrating subsurface data to unlock unconventional resources	CATEGORY: BIO SESSION 15 Renewable energy: technology, operations, integration with existing facilities
	11:30-13:00	CATEGORY: REF SESSION 16 Refining developments and advancements	CATEGORY: MID SESSION 17 Transportation, storage and infrastructure for midstream operations	CATEGORY: DR SESSION 18 Drilling challenges and optimisation	CATEGORY: UNCONV SESSION 19 Tapping into productivity enhancement in unconventional resources	CATEGORY: BIO SESSION 20 Green ammonia and hydrogen production and usage
	14:00-15:30	CATEGORY: REF SESSION 21 Refining innovation and profitability	CATEGORY: GAS SESSION 22 Operational solutions for Gas/LNG processing	CATEGORY: COMPL SESSION 23 Production optimisation through smart completion and intervention solutions	CATEGORY: FD SESSION 24 Enhanced oil recovery (EOR)	CATEGORY: BIO SESSION 25 Latest developments in green hydrogen
	15:30-17:00	CATEGORY: DIGI SESSION 26 Advanced digital transformation Initiatives	CATEGORY: GAS SESSION 27 Gas /LNG new initiatives	CATEGORY: COMPL SESSION 28 Reservoir productivity enhancement utilising innovative and stimulation technologies	CATEGORY: FD SESSION 29 Reservoir monitoring and surveillance	CATEGORY: BIO SESSION 30 Biofuels technology, production and usage
WEDNESDAY 15 FEBRUARY	10:00-11:30	CATEGORY: DIGI SESSION 31 Data science, predictive analytics and artificial intelligence	CATEGORY: OPEX SESSION 32 Cost optimisation and asset integrity	CATEGORY: CONV SESSION 33 Innovation in prospect evaluation	CATEGORY: FD SESSION 34 Unlocking the potential of mature fields	CATEGORY: ENV SESSION 35 Carbon capture, utilisation and storage (CCUS)
	11:30-13:00	CATEGORY: DIGI SESSION 36 Cyber security, safety and augmented reality	CATEGORY: OPEX SESSION 37 Maintenance and asset integrity	CATEGORY: CONV SESSION 38 Rock physics insights	CATEGORY: FD SESSION 39 Production optimisation and enhancement	CATEGORY: ENV SESSION 40 Circular economy case studies
	14:00-15:30	CATEGORY: DIGI SESSION 41 Digital twins and IoT	CATEGORY: OPEX SESSION 42 Intelligent solutions and the role of technology to achieve operational excellence	CATEGORY: CONV SESSION 43 Addressing reservoir characterisation challenges	CATEGORY: FD SESSION 44 Integrated reservoir case studies	CATEGORY: ENV SESSION 45 Technology to enable environmental sustainability

# SUSTAINABILITY IN ENERGY CONFERENCE AGENDA



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**HALLIBURTON**

**Tuesday 14 February 2023**

**10:00 - 10:15** Ministerial keynote speech  
Egypt's commitment to sustainability as part of Vision 2030



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



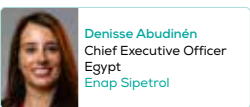
**10:15 - 10:30** Keynote speech  
Driving sustainable performance in challenging market conditions



**Sameh Sabry**  
Senior Vice President &  
Managing Director  
Egypt  
Wintershall Dea



**10:30 - 11:15** Panel discussion  
Streamlining operations to tackle climate change and net-zero target



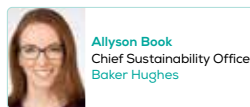
**Denisse Abudinen**  
Chief Executive Officer  
Egypt  
Enap Sipetrol



**Paul Mayland**  
Chief Operating Officer  
Capricorn Energy



**Anas Aljuaidi**  
Chief Executive Officer  
MMEC Mannesmann



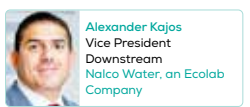
**Allyson Book**  
Chief Sustainability Officer  
Baker Hughes



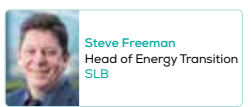
**Moderator**  
**Jan Zschommer**  
Market Area Manager  
Middle East & Africa  
DNV Energy Systems



**11:15 - 12:00** Panel discussion  
Digitalisation as an enabler of decarbonisation



**Alexander Kajos**  
Vice President  
Downstream  
Nalco Water, an Ecolab  
Company



**Steve Freeman**  
Head of Energy Transition  
SLB



**Dr Samir Elkareish**  
Vice Chairman  
Energy Transition  
Egyptian Natural Gas  
Holding Company (EGAS)



**Tarek Hamouda**  
Chairman & CEO  
Technical Office GM  
ENPPI



**Dr. Abderrezak**  
Benyoucef  
Head of the Energy  
Studies Department  
OPEC

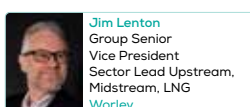


**Moderator**  
**Pablo Avogadri**  
Partner and Associate  
Director, Energy  
Boston Consulting Group

SESSION SPONSOR  
**HALLIBURTON**



**12:00 - 12:45** Panel discussion  
Demonstrating ESG credentials to drive sustainability and growth



**Jim Lenton**  
Group Senior  
Vice President  
Sector Lead Upstream,  
Midstream, LNG  
Worley



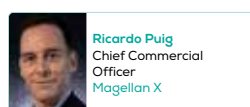
**Antonios Mountouris**  
Head of HSE &  
Sustainable  
Development Division  
Hellenic Petroleum



**Nooshin Behroyan**  
Chief Executive Officer  
Paxon Energy &  
Infrastructure



**Anthony Watson**  
Chief Executive Officer  
Ras Ghareb Wind  
Energy S.A.E



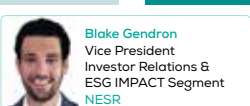
**Ricardo Puig**  
Chief Commercial  
Officer  
Magellan X



**Moderator**  
**Pablo Avogadri**  
Partner and Associate  
Director, Energy  
Boston Consulting Group



**13:45 - 14:30** Panel discussion  
Building partnerships to drive CSR progress across Sub-Saharan Africa, North Africa and the East Mediterranean



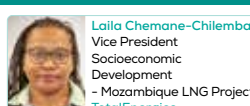
**Blake Gendron**  
Vice President  
Investor Relations &  
ESG IMPACT Segment  
NESR



**Nicolas Katcharov**  
Country Manager Egypt  
Energean



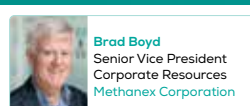
**Dalia Wahba**  
Deputy CEO and  
Chief Investment Officer  
Hassan Allam Utilities



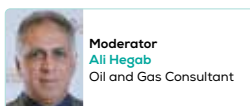
**Laila Chemane-Chilemba**  
Vice President  
Socioeconomic  
Development  
- Mozambique LNG Project  
TotalEnergies



**Nael Darwish**  
Chairman  
South Valley Egyptian  
Petroleum Holding  
Company (GANOPE)



**Brad Boyd**  
Senior Vice President  
Corporate Resources  
Methanex Corporation



**Moderator**  
**Ali Hegab**  
Oil and Gas Consultant



**14:30 - 15:15** Panel discussion  
Scaling R&D to unlock technology and enhance industry safety



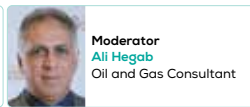
**Mohammed Bahatem**  
Senior Vice President  
HSSE & Asset Integrity  
Management  
Mubadala Energy



**James Garvie**  
HSE Advisor  
Chevron



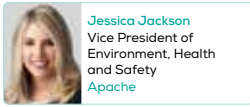
**Mathew Thomas**  
Senior Industry  
Consultant  
Hexagon



**Moderator**  
**Ali Hegab**  
Oil and Gas Consultant



**15:15 - 16:00** Panel discussion  
Advancing the oil and gas safety culture



**Jessica Jackson**  
Vice President of  
Environment, Health  
and Safety  
Apache



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



**Alexandra Thomas**  
Managing Director  
Egypt  
Neptune Energy



**Dr. Yasser Hassan**  
Safety & Environment  
Manager  
Shell Egypt







**Moderator**  
**Hussein El Ghazzawy**  
Chairman  
Coxswains for Marketing  
& Commercial Trading









## AWARDS FINALISTS





**BEST ENVIRONMENTAL PROJECT OF THE YEAR** SPONSORED BY **slb**

			
<p>Integrated watershed management and soil carbon content enhancement project</p>	<p>Desalination plant freshwater withdrawal reducing project</p>	<p>Reducing carbon through management of fleet of global motor vehicles project</p>	<p>Emissions reduction and improving energy efficiency project</p>

**BEST CSR PROJECT OF THE YEAR**

			
<p>Corporate social responsibility project</p>	<p>Girls make empowering girls to be future innovators project</p>	<p>In-country applied technology education project</p>	<p>Delivering excellence to our host communities project</p>





**BEST HEALTH PROJECT OF THE YEAR** SPONSORED BY **HALLIBURTON**

			
<p>Accessible and affordable healthcare to local communities project</p>	<p>Food safety and hygiene management in remote locations project</p>	<p>Health risk assessment (HRA) project</p>	<p>Enhancing production of biosurfactants by oil-degrading bacterial isolates project</p>

**BEST SAFETY PROJECT OF THE YEAR** SPONSORED BY **Apache**

			
<p>Suez Depot technical truck inspection centre project</p>	<p>Process safety management framework for the Egyptian oil and gas sector project</p>	<p>Process safety management project</p>	<p>The war against LOPCs to reverse current trends project</p>

**BEST DIGITALISATION PROJECT OF THE YEAR** SPONSORED BY **Enppi**

			
<p>Real-time user-friendly application for production optimisation project</p>	<p>HSE barrier management dashboard project</p>	<p>HSE suite software for integrated system management project</p>	<p>Multi-sensor data assimilation and model-driven analytics project</p>

# EGYPS DIGITALISATION IN ENERGY

## Digital Solutions for a Dynamic Energy Environment

One of the most important features of EGYPS is Digitalisation in Energy, which exhibits a range of themes including artificial intelligence, big data, blockchain technology, cybersecurity, drilling automation equipment, drones, equipment sensor, integrated operations centre, machine learning, network infrastructure, robotics and 4D seismic images.

All conventional fossil fuels and renewable energy sources are abundant in Egypt, but as demographic and domestic energy needs increase, it has become more crucial to broaden energy sources in order to improve the nation's energy security.

As energy prices have fluctuated in recent years, there are growing demands for the Egyptian oil and gas sector to evolve and enhance operational efficiency. Egypt has been laying the groundwork for a reformed oil and gas sector based on key pillars as part of the nation's Modernization project. This includes exploiting digitalisation's key advantages in addressing market difficulties. Thus, emerging enterprises, SMEs, and international technology firms will showcase and exchange their oil and gas technological solutions and services throughout the event.

In line with the experts, digitalisation is already improving the safety and productivity of energy

systems and also changing markets, businesses and employment. However, newer projects have had to make way for smarter working methods that will allow existing operations to continue. Kamel Al Sawi, President of Kuwait Energy Egypt, stresses on the importance of using data driven results and analysis to enable the process of digitalisation in energy. Al Sawi mentions that "Digitalisation enables us to increase our stability and also helps us in our decision making through the intelligent use of data collection and analysis. We have terabytes of data, but it's about how we analyse and utilise this data in our daily decision making. In addition, with digitalisation, we benefit from operational stability in our assets while ensuring a more healthy, safer and cleaner environment."

Stuart Douglas, Sales Director EMEA at Magellan X PTE, talked during one of digitalisation panels in the first day of EGYPS about the digitalisation platform his company created to improve safety operations by pre-empting incidents and improving compliance workflows. This comes with many benefits such as promoting safety culture, providing operational excellence, reducing incidents and operational casualties

all through and intrinsically safe SmartWatch. This smartwatch allows workers to proactively manage their health and wellbeing; reduces the risk of medical illnesses and safety incidents.

Douglas mentions that "Wearable technology can optimise worker data, work environment and processes to uncover how work was done. If oil and gas companies have already invested in the control of work, we can plug the wearable device into any existing safety solution by having an open API, so we are very excited with what we have got here. We believe that we are bringing in innovative, next level 21st century technology to solve 21st century problems because at the moment what we have is 20th century technology trying to solve 21st century problems."



## DAY 2, TUESDAY 14TH FEBRUARY, 2023

11:30 - 12:15

### PROPELLER Solution



Humberto Malave  
MAGELLAN X PTE. LTD

**MAGELLAN X**



14:00 - 14:45

### The electronic Line Break Control



Mr. Vedran Prica  
Feromihin d.o.o.

**feromihin**

15:00 - 15:45

### Closing the skills gap through digital replicas



Ahmed Alaa  
Voovio

**VOOVIO**

16:00 - 16:45

### Creating Dashboards and Threat Arrays from Surveillance Data



Chris Fair  
Oilfield Data Services Inc







HEADLINE SPONSOR



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CATERING SPONSOR



## ENHANCED NETWORKING OPPORTUNITIES

The EGYPS Energy Club (EEC) is a unique VIP club that has been part of EGYPS since 2017. It provides membership for exclusive access to the exhibition's VIP lounge, a private space for professional networking between members of the energy sector. The EEC welcomes top decision-makers and influencers in the industry as they attend EGYPS 2023.

EEC membership is complimentary, yet being accepted is subject to formal approval once the members complete an application form. Members will enjoy access to Media-free zone to ensure private business conversations.

Minister of Petroleum and Mineral Resources, Tarek El Molla, described the EGYPS Energy Club as an important industry hub. "It facilitates the opportunity for discussion and knowledge-sharing between the industry key decision-makers. These critical exchanges contribute to the efficiency and forward-planning that is required to drive the oil and gas sector forward."



## BENEFITS OF MEMBERSHIP

- Access at any time during EGYPS
- Enhanced networking opportunities with decision-makers and potential business partners
- Exclusive Club lounge access on site at EGYPS
- Media-free zone to ensure private business conversations


























**EGYPS EQUALITY IN ENERGY CONFERENCE & AWARDS**

**Wednesday 15 February 2023**

The workforce and the workplace of the future continues to evolve across countries, industries and businesses as globally, leaders continue to pave the way for equality, gender parity, inclusion and non-discrimination. The EGYPS Equality in Energy Conference provides the ultimate platform to drive the inclusive discussion creating a more sustainable energy future.

**EQUALITY, DIVERSITY AND INCLUSION CHAMPIONS AT EGYPS 2023**

 <b>Moath Al Rawi</b> Chief Executive Officer ARGAS	 <b>Fatema Choudhury</b> Chief Operating Officer Magellan X	 <b>Susanne Mikhail Eldhagen</b> Regional Director UN Women Office for the Arab States	 <b>Latifa Aal Said</b> Global DEI Director & TPS HR Director MENATI Baker Hughes
 <b>Petra Angstromann</b> Senior Vice President Global Human Resources Wintershall Dea	 <b>Amru Alabidi</b> Senior Vice President Oman, UAE, Iraq and North Africa Worley	 <b>Salma Al Hajeri</b> Regional Vice President East-Med & North Africa Operations MENA & Russia Mubadala Energy	 <b>Brandy Jones</b> Vice President of Human Resources Apache
 <b>Eleanor Rowley</b> Managing Director Egypt Capricorn	 <b>Marla Wright</b> Global Business Development Manager Bechtel	 <b>Celestina Raggi</b> Vice President of Human Resources for Middle East & Africa Emerson	 <b>Edgar da Costa</b> Director of Finance, Procurement, and ICT National Authority of Petroleum and Minerals (ANPM)
 <b>Sofija Janosevic</b> Human Resources Director The Energy Year	 <b>Abubakr Ibrahim</b> Vice President & General Manager IPR Energy	 <b>Gaydaa Elfakahany</b> Head of Human Resources and Administration Division thyssenkrupp Industrial Solutions Egypt	 <b>Dr. Sherif Aboelgheit</b> General Manager, Procurements and Supervising HR Division ENPPI
 <b>Manal Messiha</b> Vice President Customer Satisfaction & Quality Schneider Electric	 <b>Ahmed Farid</b> Regional HR Manager Shell	 <b>Aldo Costantini</b> General Manager & Managing Director Energear AQP	 <b>Soukaina Chefchaoui</b> Legal Counsel for North Africa ENGIE
 <b>Lamé Verre</b> Co-founder & Board Co-chair Lean-in Equity & Sustainability	 <b>Juliette Murray Lamotte</b> Middle East and North Africa Human Resources Manager SLB	 <b>Enas Shabana</b> Communications & Media Relations Specialist East Mediterranean Gas Forum (EMGF)	

**PROGRAMME SUMMARY**

<b>10:00 - 10:15</b> <b>Keynote address</b> Reinventing the workplace and workforce of the future	<b>10:15 - 11:00</b> <b>Panel discussion</b> Building a net zero-ready workforce	<b>11:00 - 11:45</b> <b>Panel discussion</b> Harnessing the power of change management for an agile culture	<b>11:45 - 12:30</b> <b>Panel discussion</b> Attracting Millennials and Gen Z into the energy sector
<b>13:30 - 14:30</b> <b>Lightning talks and audience Q&amp;A</b> • The digital future: closing the skills gap • Creating an equitable, diverse and inclusive culture for a greener future • Managing the unconscious bias in pay and promotion	<b>14:30 - 15:15</b> <b>Panel discussion</b> Gender equality and the role of women in the clean energy transition	<b>16:00 - 17:00</b> <b>Global Equality in Energy Awards Ceremony</b>	



**EGYPS GLOBAL EQUALITY IN ENERGY AWARDS**

**AWARDS FINALISTS**

**WOMEN IN LEADERSHIP** SPONSORED BY **Capricorn**



**Shahira Osman**  
Regional Branded Workshops Channel Manager



**Heba Rezk**  
Senior Commercial Manager



**Omnia Bekheit**  
Investment and Financial Planning General Manager



**Sherine Soliman**  
Marine Channel Manager

**STEM STAR OF THE YEAR** SPONSORED BY **Enppi**



**Marwa Maghraby**  
Process Engineer



**Mariam Shreif**  
Student

**NEX-GEN FEMALE OF THE YEAR** SPONSORED BY **Apache**



**Maureen Amir**  
Completions Engineer



**Sherin Ismail**  
Associate Technical Professional



**Lamees Sultan**  
Offshore Site Engineer



**Miral Tawfik**  
Reservoir Engineer



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**EGYPS FINANCE & INVESTMENT IN ENERGY CONFERENCE**

**Wednesday 15 February 2023**

As the industry continues its recovery and globally countries look to deliver upon energy security and affordability, EGYPS Finance and Investment in Energy Conference will take a deep dive on how countries and businesses are stimulating industry growth and transformation through new sustainable models of investment across the entire energy value chain.

**FINANCE, INVESTMENT AND CLIMATE EXPERTS AT EGYPS 2023**

 <b>Eng Alaa Elbatal</b> Chief Executive Officer Egyptian General Petroleum Corporation (EGPC)	 <b>Anastasios Vlassopoulos</b> CEO and Head of ESP Business Unit Hellenic Petroleum Upstream	 <b>Ahmad Ali BinOboud</b> Chief Financial Officer Dragon Oil	 <b>Michael Thomadakis</b> Strategy & Development Division Director DESFA	 <b>Evan Genaud</b> Chief Technical Officer IPR Energy Group
 <b>HRH Princess Moradeun Ogunlana</b> Founder and CEO AWHPI Global Foundation	 <b>Naser Al Hajri</b> Senior Vice President Non-Operated Assets Mubadala Energy	 <b>Paul Sullivan</b> Senior Vice President Global LNG & FLNG Worley	 <b>Zakaria Doso</b> Managing Director Africa Energy Investments Corporation African Petroleum Producers' Organization (APPO)	 <b>Sherif El Zeiny</b> Vice President and Group Chief Financial Officer Eisewedy Electric Group
 <b>Mateus da Costa</b> Director of Exploration and Research Innovations National Authority of Petroleum and Minerals (ANPM)	 <b>Lee Shouse</b> Vice President of Engineering and Integrity Management Paxon Energy & Infrastructure	 <b>David Chi</b> Vice President of Egypt Assets and Country Manager Apache	 <b>Tameer Nasser</b> Managing Director Northeast Africa Baker Hughes	 <b>Dr Lamiaa Abo Shahba</b> General Manager of Gas Market Activities EGAS
 <b>Nicolas Thevenot</b> Managing Director Corporate Banking Arab Petroleum Investments Corporation (APICORP)	 <b>Hind Chawki</b> Head of Financial Market MENAP and ESG Lead for Global Credit Markets Standard Chartered Bank	 <b>Yagouba Traore</b> Head of Policy Planning Strategy African Energy Commission (AFREC)	 <b>Rouzbeh Fazlinejad</b> Managing Director Head of MENA Oil & Gas Houlihan Lokey	 <b>Helmy Ghazi</b> Deputy CEO & Head of Global Banking Egypt HSBC
 <b>Helen Aigbe Brume</b> Director for Project & Asset Based Finance African Export Import Bank	 <b>Taiwo Okwor</b> Vice President Africa Finance Corporation	 <b>Ahmed Moharram</b> Founder and Managing Director Anchorage Investments Ltd.	 <b>Malak El Shishiny</b> Investment Director Hassan Allam Utilities	 <b>Kevin Hou</b> Financing Director UEGL, Hong Kong
 <b>Anass Joundy</b> Associate Director and Natural Resources Lead South and East Mediterranean Region EBRD	 <b>Randa El Borolossy</b> Investment Officer IFC	 <b>Hussein Ibrahim Hamed</b> Africa Segment Vice President Energies and Chemicals Schneider Electric	 <b>Haytham Ibrahim</b> Finance Manager & Deputy General Manager Enap Sipetrol	 <b>Yousra Assaker</b> Senior Energy Specialist The World Bank
 <b>Giacomo Matarazzo</b> Head Asset Management Extra-EU & Commercial & Operation Coordination SNAM	 <b>Daniel Bates</b> Upstream Portfolio Development Controller ExxonMobil	 <b>Giuseppe Vischetti</b> Head of Finance Energiean Egypt	 <b>Ahmed I. Mokhtar</b> Managing Director NBK Capital AM Egypt	 <b>Ross Cassidy</b> Vice President Middle East and North Africa Wellience Energy Analytics

**PROGRAMME SUMMARY**

<b>10:00 - 10:15</b> <b>Ministerial keynote speech</b> Transforming Egypt into a regional energy trading hub	<b>10:15 - 11:00</b> <b>Panel discussion</b> Capitalising on investment opportunities in North Africa and the East Mediterranean	<b>11:00 - 11:45</b> <b>Panel discussion</b> Solving Europe's gas supply in the short and long term through targeted investments	<b>11:45 - 12:30</b> <b>Panel discussion</b> Accelerating decarbonisation and energy security through public private partnerships
<b>13:30 - 14:15</b> <b>Panel discussion</b> Overcoming the market impacts of ESG investment constraints	<b>14:15 - 15:00</b> <b>Panel discussion</b> Africa Focus: The role of natural gas to drive economic growth and reduce energy poverty	<b>15:00 - 15:45</b> <b>Panel discussion</b> Financing the energy transition	<b>15:45 - 16:30</b> <b>Panel discussion</b> The evolving role of a CFO as a catalyst for digital transformation



# 2023 VENUE MAP



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

## A AL MANARA

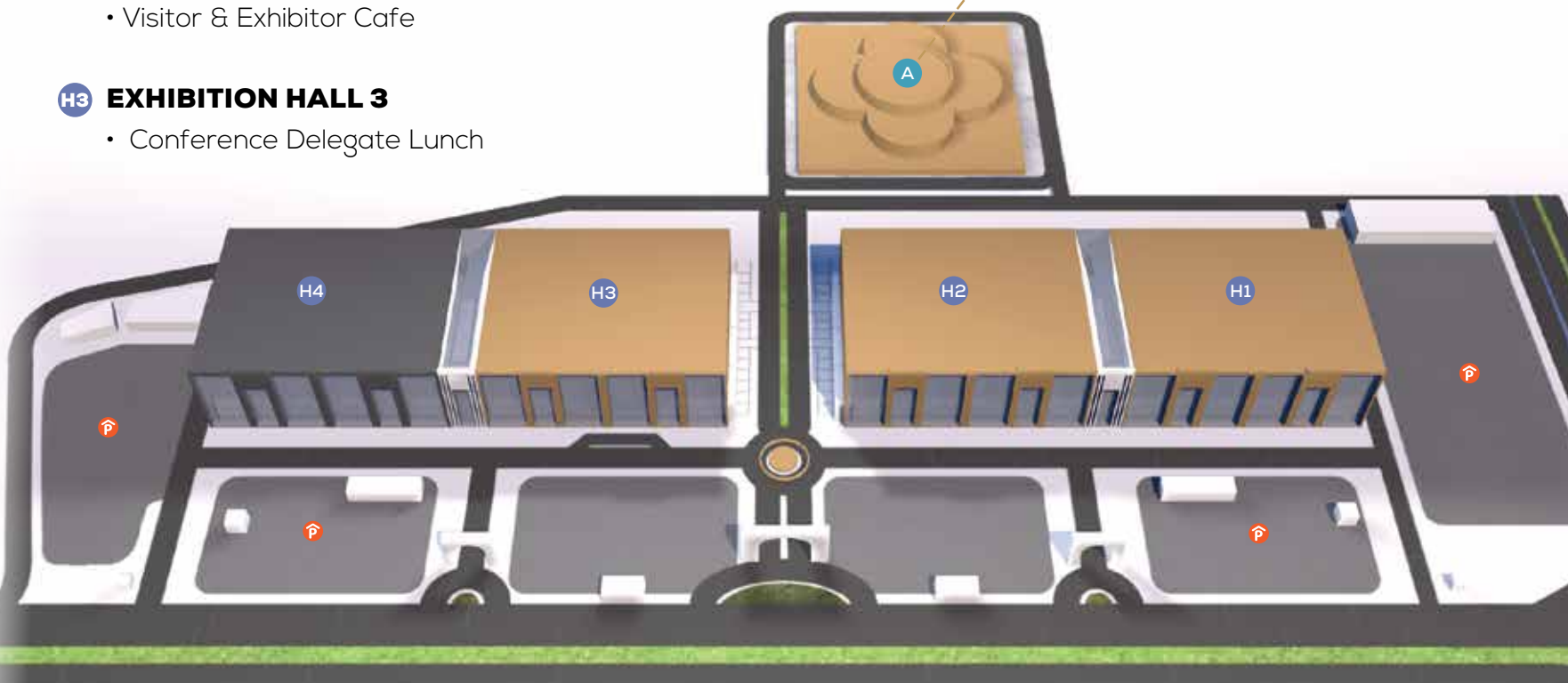
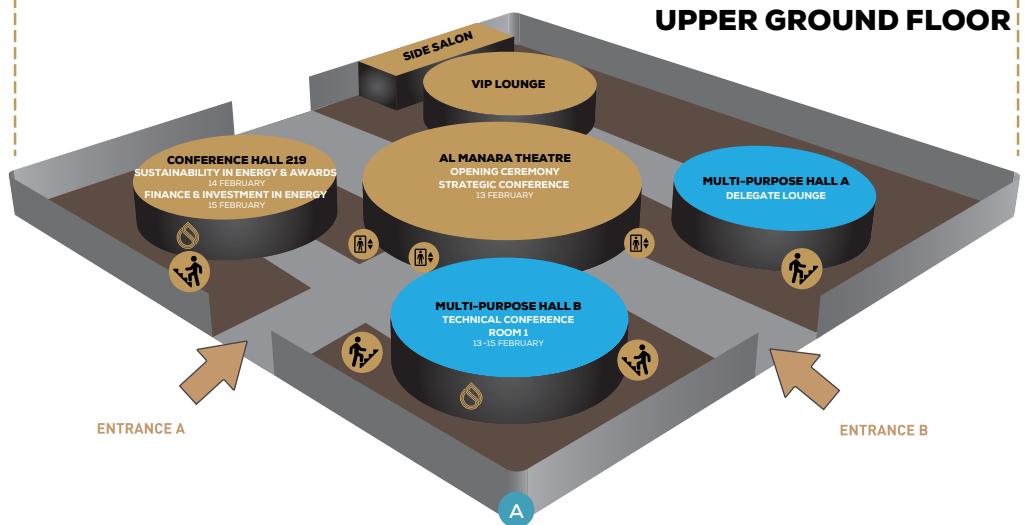
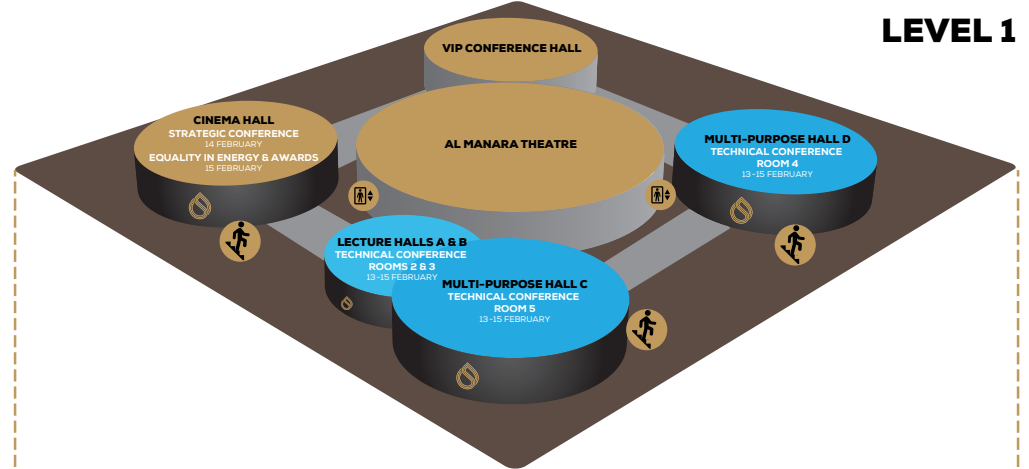
- EGYPS Opening Ceremony
- Strategic Conference
- Technical Conference
- Sustainability in Energy Conference & Awards
- Finance & Investment in Energy Conference
- Equality in Energy Conference & Awards
- Conference Delegate Lounge

## H1 EXHIBITION HALL 1

- Youth Engagement Programme
- Young Professionals Programme
- EGYPS Energy Club
- Digitalisation in Energy Zone
- Media Centre
- Visitor & Exhibitor Cafe

## H3 EXHIBITION HALL 3

- Conference Delegate Lunch



## WINTERSHALL DEA A STRONG ENERGY PARTNER FOR EGYPT.

**W**intershall Dea is Europe's leading independent natural gas and oil company with more than 120 years of experience as an operator and project partner along the entire E&P value chain. The company with German roots and headquarters in Kassel and Hamburg explores for and produces gas and oil around the world. In the MENA region Wintershall Dea is active in Egypt, Algeria, the United Arab Emirates, and Libya in an efficient and responsible manner. Wintershall Dea has a global upstream portfolio and, with its participation in natural gas transport, is also active in the midstream business.

As a European gas and oil company, Wintershall Dea supports the EU's 2050 carbon neutrality target, and has set ambitious targets: Wintershall Dea wants to be net zero across its entire upstream operations – both operated and non-operated – by 2030. This includes Scope 1 (direct) and Scope 2 (indirect) greenhouse gas emissions on an equity share basis. Wintershall Dea will also bring its methane emissions intensity below

0.1 per cent by 2025 and maintain zero routine flaring of associated gas in its operations. In addition, the company plans to reduce emissions resulting from the use of hydrocarbons by applying CCS and low-carbon hydrogen technologies, potentially building up a business abating 20-30 million tonnes of CO<sub>2</sub> per annum by 2040.

Wintershall Dea has been active in Egypt for almost 50 years. The

company's history in the country was rooted in crude oil production. Wintershall Dea started production in the early 1980s in the Gulf of Suez. Over almost 40 years the company produced more than 650 million barrels of crude oil there. Following a strategic portfolio review, today, Wintershall Dea is focused on natural gas in Egypt. Wintershall Dea produces gas at Disouq in the onshore Nile Delta and as partner



STAND NO: 3B60 HALL 3

to BP in the West Nile Delta offshore gas project. Additionally, Wintershall Dea is actively exploring onshore at East Damanhour, and as partner to BP, in the offshore North West Abu Qir exploration block. Wintershall Dea remains a stable and long-term investor, and is eyeing opportunities in the fields of carbon management and hydrogen. Today, tomorrow and into the future: Wintershall Dea is a strong energy partner for Egypt.

## RATNAMANI BRINGS ITS MASTERY OF METALS TO EGYPS 2023

**R**ATNAMANI METALS & TUBES LIMITED is one of India's largest manufacturers of stainless steel seamless, welded tubes and pipes, nickel alloy seamless tubes, titanium welded tubes, carbon steel welded pipes, stainless steel, carbon steel pipes with three-layer coating facilities, stainless steel and carbon steel pipes with induction bends.

Started in 1985, Ratnamani today is having a work force of approximate 2400 employees in its multi-located state-of-the-art manufacturing facilities at Intrad, Chhatral and Kutch (Gandhidham) in the State of Gujarat, India. Our quality system has ISO 9001:2015 accreditation. We are also having ISO 14001:2015, ISO 45001:2015. Our Stainless Steel Division has NADCAP, EN 9100D, PED, ADWO, NORSOK and Marine Approval, whereas our Carbon Steel Division has API 5L, API 5 CT and API 2B Certifications. The laboratories of our Stainless Steel and Carbon Steel Division have ISO 17025 accreditation.

The Seamless Division comprises of two hot extrusion presses for production of seamless pipes. Out of the two hot extrusion presses, the smaller pot extrusion press is capable of manufacturing Nickel Alloys / Stainless Steel Seamless Pipes up to 2 NPS, whereas the new Hot Extrusion Press is capable of manufacturing nickel alloys and stainless steel pipes up to 10 NPS. The Cold Finishing facility is equipped with a number of High Speed Cold Pilger Mills, Draw Benches and Bright Annealing Furnaces for manufacturing Stainless Steel Seamless Heat Exchanger, Instrumentation Tubes and Pipes. Heat Exchanger Tubes can be supplied both in Straight and 'U' bend condition up to developed length of 40 metres

The Welded Division comprises of fully automated tube mills, cold finishing section, U-bending facilities, dedicated tube mill for manufacturing Titanium Welded Tubes, JCO Forming Press, Inside and Outside Welding system, Solution annealing furnace for annealing Tubes and Pipes. Pipes can be supplied in Single Random Length (5 to 5.80 metres) or Double Random Length (11 to 11.80 metres).



STAND NO: 1E40 HALL 1

The Stainless Steel Division has capabilities to produce tubes and pipes in various grades such as Ferritic, Super Ferritic, Martensitic, Austenitic, Super Austenitic, Duplex, Super Duplex, and Nickel Alloys in both Seamless and Welded construction. Prestigious references are also available for the supply of Welded Titanium Tubes.

The Carbon Steel Division comprises of a JCO Press, Helical / Spiral Mills, ERW Mill, L-SAW facilities, three roll plate bending machines, inside & outside welding lines and heat treatment furnaces.

Our Coating Division consists of necessary facilities for External three Layer Polyethylene / Polypropylene (3LPE/3LPP) coating, Single Layer / Dual Layer Fusion bonded Epoxy (SFBE/DFBE) coating and Internal Liquid Epoxy. Both Stainless Steel and Carbon Steel Divisions are capable of supplying coated pipes.

The Carbon Steel Division has capabilities to produce Welded Pipes for cross country pipelines, terminal piping for petrochemicals and refineries, pipes for gas distribution and large diameter pipes for water distribution system. The Carbon Steel Division has capabilities to produce material up to API X-80.

All the above divisions are having necessary testing facilities like Ultrasonic Test, Eddy Current Test, Radioscopy, Real Time Radiography, Magnetic Particle Test, DP Test, Hydro Test etc. to manufacture high quality products conforming to various international standards. The plants are also having personnel of ASNT Level-II & III to ensure that the products manufactured are of the requisite quality.

## KEEPING LONG TRADITION OF PROVIDING RELIABLE SOLUTIONS

**F**ounded in 1929, Curtiss-Wright is a global innovative company that

Founded in 1929, Curtiss-Wright is a global innovative company that delivers highly engineered, critical function products and services to commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships.

Established in 1968, Curtiss-Wright's EST Group is dedicated to providing a complete range of innovative lifecycle products and services for maintenance and repair of heat exchangers, condensers, open end pipe, piping systems, tubing, and pressure vessels, providing plants and EPC contractors with reliable solutions to significantly reduce time & costs of maintenance and/or shutdown schedules.

Our Pop-A-Plug Tube Plugging System provides a complete range of tube leak detection, repair products, services, and replacement parts, covering the life cycle of shell and tube heat exchangers and condensers. Pop-A-Plug Tube Plugs conform to ASME PCC-2 recommended tube plugging repair methods, offering a permanent mechanical solution to safely seal leaking heat exchanger



STAND NO: 1B17 HALL 1

tubes at operating pressures up to 7000 PsiG (480 BarG) without welding or explosives.

Our GripTight® Hydrostatic Test & Isolation Plug line offers products and services to facilitate pressure-testing and/or isolation of open end pipe, piping systems, tubing and pressure vessels and their components at working pressures up to 15,000 PsiG (1034 BarG).

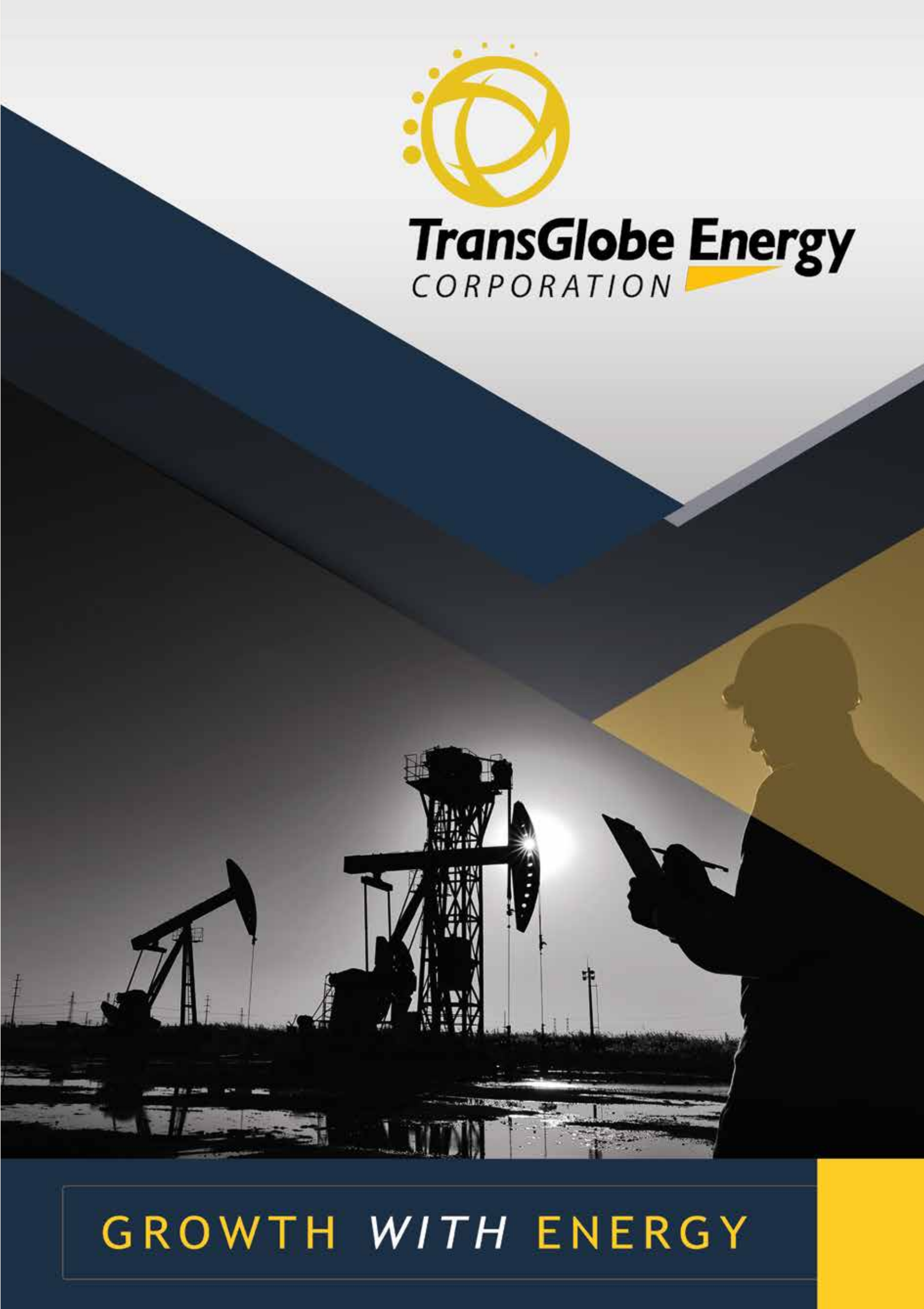
Additionally, our Custom Solutions Team is devoted to providing innovative and cost-effective solutions to our customers who require tools outside the scope of stock products. Their extensive knowledge of applications and equipment within the industries we serve allows our products & services to improve our customers' project scope through reduction in time and cost, while maintaining consistent dependability and a safer work environment.

EST Group serves the Power Generation, Petrochemical & Refining, Oil & Gas Production, Design & Build Projects (EPC), and Shipbuilding industries worldwide.





**TransGlobe Energy**  
CORPORATION



**GROWTH WITH ENERGY**

# EGYPS YOUNG PROFESSIONALS

HEADLINE SPONSOR

**ExxonMobil**

## OPEC Secretary General Inspires Future Energy Leaders at Young Professionals Programme

Students taking part in the EGYPS 2023 Young Professionals Programme were given the unique opportunity to listen to OPEC Secretary General Haitham Al Ghais in a fireside chat titled 'Fostering our Youth for the Reality of Energy', addressing youth who have career aspirations as the energy sector's next generation of professionals and leaders.

Al Ghais gave students career advice about joining the energy sector's vibrant and growing workforce, giving them guidance on how they can further enhance their professional development to succeed in the oil and gas field.

As an industry that is extremely dynamic and constantly evolving, he highlighted that success in the energy sector requires new entrants into the industry's workforce to be well-rounded with diverse skillsets and a high standard education focusing on engineering, science and a wide range of other disciplines.

Al Ghais, who has 30 years of experience in global oil and gas markets, emphasised that being part of the energy sector offers many opportunities for highly skilled professionals to positively contribute to their societies, countries and the global community as a whole.

Additionally, A'laa Samy Rizk, bp North Africa Nigeria & Ghana IT service Owner ICF ACC Coach, delivered a session on cybersecurity for the digital society and youth of today. In this session, students learned about safeguarding themselves in today's digital society and the importance of being aware and protecting their online privacy. Students acquired a better understanding of the digital ecosystem and how it connects the world, the digital boundaries, behaving ethically, maintaining integrity and following the "real world" social rules of engagement and code of conduct.

Rizk talked about the digital ecosystem and self-defence in cybersecurity. Moreover, the session allowed attendees to acquire a deeper understanding of cybersecurity and the importance of data protection as Rizk explained the different types of hackers, their motives, and the tools that they use. He pointed out that hackers steal information by taking advantage of vulnerabilities in employee privacy within an organisation. Therefore, it is important for firms to monitor behaviour and diligently secure their firewalls.

The Young Professionals Programme also featured different zones, including the Robotics zone, Entrepreneurs zone, Engineering zone, and Onshore Rigs Competition

zone, which allowed students to design and construct in a fun competition relevant to the petroleum sector.

As a part of the programme, university student volunteers immersed high school students in an informative and inspiring journey of the petroleum sector as they took a tour of the exhibition to get introduced to the big players in the energy market. At the end, attendees were awarded certificates, which will allow them to relive the memory of their participation in the Young Professionals Programme at EGYPS 2023 many years later.

The Young Professionals Programme, an initiative that seeks to foster youth who have the potential to reshape the future of the energy sector. The Young Professionals Programme, also known as ExxonMobil Exploration Workshop, brought together the industry's passionate, talented students and young professionals, in addition to emerging energy leaders, providing them with a platform for knowledge exchange and networking.



# EGYPS YOUTH ENGAGEMENT PROGRAMME

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**ExxonMobil**

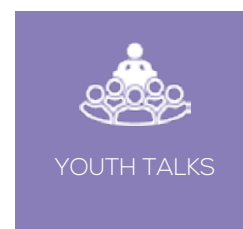
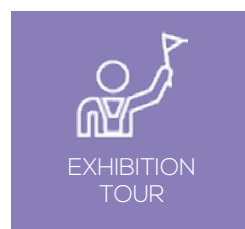
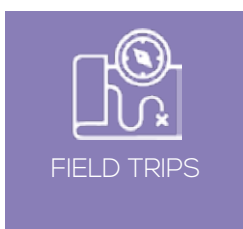
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**ETROJET**

## CONNECT, ENGAGE, INSPIRE & EMPOWER THE YOUTH OF TODAY!

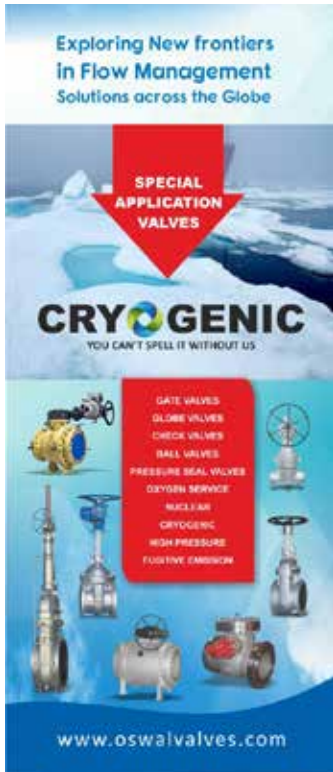
The 4th edition of EGYPS Youth Engagement Programme continues to provide an on-site learning platform, engaging with high school students within the framework of STEM education, focusing on Science, Technology, Engineering and Mathematics to ultimately encourage them to pursue careers in the energy industry.

### THE FIVE PROGRAMME PILLARS





## A LEADING INDIAN MANUFACTURER OF ENGINEERED INDUSTRIAL VALVES



Oswal Industries Limited, a leading Indian manufacturer of Engineered Industrial valves, has a heritage of excellence that spans Four decades. Our large single location integrated manufacturing facility is spread over 110,000 square metres. Apart from that we have our own captive Steel Foundry which is dedicated to manufacture only Valve Castings in various metallurgy such as Stainless Steel, Alloy Steel, Duplex & Super Duplex Stainless Steel and Exotic Alloy Grades. etc.

At EGYPS 2023, we are going to exhibit our wide range of products such as Trunnion Mounted & Floating Ball Valves (Top Entry, Side Entry), Gate, Globe, Check Valves & Cryogenic Valves. We are excited to promote 80" Cast Steel Gate valve, First time in India, Largest Gate valve ever produced by an Indian valve manufacturer – Massive weight of around 30 Tons and standing magnificently at 30 feet tall.

Apart from that we are promoting our speciality of Valves mainly SIL 3 Ball Valve, NACE & FET Compliance, Underground Installation, Oxygen Service, GOV/MOV (Valves with all types of Actuators viz. Gas over oil, electrical, Pneumatic, Hydro-electric, Hydraulic, etc.), Emergency shutdown (ESD/SDV)

Valves, valves with Fire Jacketing, Heat dissipated stem and for Urea/Ammonia Service, Exotic MOC, etc.

Our Foundry is approved by ISO 9001:2015, AD 2000-Merkblatt-W0 & Norsok M650 (DNV).

Oswal is certified ISO 9001:2015, 14001:2015 & 45001:2018 company, also have CE (PED) Module H, API 600, API 6D, Fire Safe, TA-LUFT, FM Approval, SIL-3 & Cryogenic Test Certifications. Oswal Valves range of products conform to international Standards such as API, ASTM, ANSI, DIN, BS, NACE & MSS.

We understand the quality parameter required in products & associated documentation by



project organisations. Many of our executed projects in India & overseas stand testimony of our capability.

Every stage of the manufacturing process is controlled in detail, in time to ensure that products meet all customer requirements. The strength of a unique sales network throughout the world, with its sales headquarters in India, and high level of global support and technical service, ensure timely and customized responses to customer. We make continuous efforts at being cost competitive and globally responsive.

**PAN MARINE GROUP**  
EGYPS EGYPT PETROLEUM SHOW  
13 - 15 FEBRUARY 2023  
EGYPT INTERNATIONAL EXHIBITION CENTER  
VISIT US AT STAND  
**2D40 at Hall 2**

**Pan Marine Group provides full local support services to the Oil, Gas and Energy industry through our subsidiaries all over Egypt, our services are tailored as per our clients' requirements including but not limited to:**

- 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.
- Marine Agency 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.
- Integrated Logistics and Freight Forwarding Services
- Sea & Air Freight.
- Customs Clearance and Brokerage Services.
- Inland Transportation.
- Supply of Local Crew Manning Services.
- Equipment Rental.
- Project Cargos.

www.pan-marine.net



## LEADING THE DRIVE TOWARDS A GREEN, SUSTAINABLE FUTURE

**G**reenfuel Energy Solutions, which was established in 2006, is the leading manufacturer of components and system solutions provider for alternative gas fuel systems to the automotive industry in India.

It aims to lead the drive towards a green and sustainable future by providing zero-defect alternative fuel, mobility and new age energy storage solutions that are customer-centric, commercially robust and technologically superior.

Leading OEMs use our high-pressure components and fuel systems on their CNG vehicles, with out of 10 CNG passenger cars and 8 out of 10 CNG buses in India equipped with products supplied by Greenfuel. Our components and systems are validated through on-field usage, and are the only ones in the country to have satisfactorily proven themselves on more than 600,000 CNG vehicles which have cumulatively run more than 25 billion kms, thus establishing our leadership in the industry.

Greenfuel's distinguished entrepreneurial legacy spanning four generations



STAND NO: 1H21 HALL 1

and impeccable standards in business practices and ethics make it the partner of choice for the automotive industry, alternative energy generation and storage industry, and other energy application industry.

It is participating in EGYPS and will be showcasing its CNG station, hydrogen station and vehicle products at the Egypt International Exhibition Centre. The company intends to publicise its diesel to CNG conversion technique, an arduous technique that few organisations have been able to master. The company has recently expanded to the African market and with this participation it intends to increase its penetration in the region.

## WHAT WILL IOD EXHIBIT AT EGYPS 2023?

**I**nternational Oilfields Development Company (IOD) shall begin a new era of development, IOD has a new announcement and a message to be delivered in EGYPS 2023.

IOD announce that Mr. Mubarak Al-Habshan (The founder of CAYAN Oil Company in Saudi Arabia) has acquired IOD Company in 2022.

Mr. Mubarak Al-Habshan have a new vision for IOD development to achieve a sustainable superiority as a premium services provider in the oil & gas industry all over MENA region.

For this new challenge, a new group of experts in multi-oilfield services have joined IOD & CAYAN professional teams to share in the new development vision.

### About IOD

International Oilfields Development Company (IOD) was founded originally in 1991 as one of the first national companies in Egypt to provide a wide range of oilfield services in support of the national petroleum industry. IOD prides itself on delivering superior service quality and solutions to its customers all over its fields.

IOD is an energetic company to not be content with being only a leader in slick line and memory gauges services in Egypt, but plan to provide a wider range of services and expand all over MENA region.

IOD has a distinguished highly professional staff who keep focusing on customers' needs and



STAND NO: 2J31 HALL 2

challenges through acquiring any required new skills and qualifications to keep IOD ahead in the oil & gas industry.

Quality, Health, Safety & Environment have deep roots in IOD culture, for this we continually endeavor to improve our QHSE performance over generations.

### IOD Current Services include:

- › Wireline Services
- › Memory Gauges Services
- › Maintenance Services for Wireline units, Equipment & Downhole tools.



## LARNACA PORT: A GREAT DESTINATION FOR TRANSSHIPMENTS

**L**ocated at the Eastern side of Cyprus, Larnaca is a city that offers a wide variety of opportunities. The Larnaca port is within 15 minutes' drive from Larnaca International Airport, which connects Cyprus with the rest of the world. Larnaca Port is the first port entry for ships arriving from Asia towards Europe and the last port when leaving Europe. Therefore, a great destination for transshipments.

Larnaca Port, operated by KITION OCEAN PORT, currently operates as a multipurpose port. Amongst other things, it has a Passenger Cruise Terminal of 2,500 sqm which is operating 24/7 with a dedicated tide free quay of 326m length and a draft of 10m.

Our Port is operating 24/7 in order to ensure no berthing delays. With dedicated areas for domestic cargo, oil and gas support areas and passengers cruise ship area our port is able to provide services to the most demanding clients. Our certified and well-trained personnel is able

to provide high quality and efficient service to the shipping industry.

- › Break Bulk Services
- › Dry Bulk Cargo Services
- › Car Storage
- › Yacht Repairs
- › Towing Services
- › Roll-On/Roll-Off

With a dedicated area of 133,000sqm our port is able to support companies currently active in Oil & Gas Business in Eastern Mediterranean.

Whether your company is involved in the exploration business, supportive

services of Oil & Gas, platforms or looking to establish a long time basis in Eastern Mediterranean our dedicated team will tailor made a suitable solution for you.

**Safety Services**  
: We offer HSE Management System in place in line with ISO 9001, 14011 & 45011 standards, and Environmental Monitoring. In Tier 1 Marine Spill Response capacity available.

**Security Services**  
: We implement the



STAND NO: 2C39 HALL 2

standardized Security Levels of ISPS Code for the Larnaca Port Facility. We provide 24/7 Guarding, Patrolling and Monitoring, using the latest technological CCTV cameras and control room.



# PLAN YOUR TRAVEL & ACCOMMODATION

## OFFICIAL HOTEL

**Dusit Thani**  
LAKEVIEW • CAIRO



The Dusit Thani, Lakeview, Cairo offers attendees of the Egypt Petroleum Show exclusive discounts on their stay at this luxury property.

You can also book your discounted stay at the Royal Maxim Kempinski, JW Marriott & Renaissance, Intercontinental City Stars and Holiday Inn City Stars.

For reservation enquiries email: [egypts@optiontravel.com.eg](mailto:egypts@optiontravel.com.eg)

## OFFICIAL TRAVEL PARTNER

**OPTION**  
TRAVEL



Option Travel is one of the premier travel agents, tour operators, transportation and car rental providers operating in Egypt. Take advantage of exclusive discount packages for all attendees at the Egypt Petroleum Show.

To plan your travel email: [egypts@optiontravel.com.eg](mailto:egypts@optiontravel.com.eg)

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



## SHUTTLE BUS FROM HOTELS TO THE VENUE

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

## SHUTTLE BUS FROM THE VENUE TO HOTELS

	FIRST DEPARTURE	SECOND DEPARTURE
MONDAY 13 FEBRUARY	19:15	19:30
TUESDAY 14 FEBRUARY	19:15	19:30
WEDNESDAY 15 FEBRUARY	19:00	19:30

**TO PLAN YOUR TRAVEL AND ACCOMMODATION FOR EGYPS 2023, VISIT:**

[www.egypts.com/travel](http://www.egypts.com/travel)

## TO PLAN YOUR BUSINESS TRIP TO EGYPS 2023, CONTACT:

**Rania Ahmed**  
Relationship Manager  
Option Travel

12, Road 278 New Maadi, Cairo, Egypt  
 +202 25170111  
 +202 25176444  
 +201 150804949  
[egypts@optiontravel.com.eg](mailto:egypts@optiontravel.com.eg)

## GOING THE EXTRA MILE TO SERVE THE PETROLEUM SECTOR

**S**A-International is ISO 9001, ISO 14001, ISO 45001, and ISO 17020 certified company

SA-International is trusted by more than 400 local and international clients, utilizing competent engineers and professional administration, as well as is providing its services for around 15 years in Egypt and worldwide.

SA International LTD is registered with many esteemed companies such as EGPC (Reg.# 119), GANOPE (Reg # 49), EGAS (Reg # 1636), Military security services complex (Reg. # 633) ...etc. and more than 135 other local companies.

List of NON-Intrusive Inspection equipment, available in EGYPT:

1. Online - PSV valve testing and calibration - as per API 576
2. Online - Gamma Scan - Tower process diagnostic
3. Online - Acoustic Emission - Inspection of tank bottom In-service
4. Online - PEC - Pulsed Eddy Current for insulated piping/pressure vessels.
5. Online - PAUT-Corrosion mapping for pressure vessels
6. Online - LRUT - Long range ultrasonic testing - for insulated piping systems /Pipeline.
7. Online - SRUT - Short range ultrasonic testing for.
  - a. Tank annular plates
  - b. Pipe support
8. Online - PAUT/ToFD for welds and nozzle corrosion.
9. Online - Valve leak detection - Acoustic Emission.
10. Online - Complete API inspection of tanks, pressure vessels and piping systems.
11. Online - Rope Access instead of scaffolding inspections for onshore/offshore facilities.
12. Online - Environmental Measurements
13. Online - Digital radiography - DRT/CRT/profile radiography
14. Online - Safe-Gama Ray - RT with a controlled and safe condition.



STAND NO: 1F33 HALL 1

15. Online - Thermography test
16. Online - Surface eddy current.
17. Online - Leak detection and leak locating using acoustic emission technique.

For more details, please visit our website : [www.sa-international.org](http://www.sa-international.org)

Or contact the undersigned :

Abdelnaby Ali -Business Director

Mobile: +2 0122 332 7722

RFO@sa-international.org



## DIGITALISING OIL & GAS PROCESSES AND ANALYTICS

**A**nkaa Consulting's digital technology and digital and technical services are geared towards improving the integrity and extending the life of aging oil and gas and petrochemical assets.

Our Digital Asset Integrity Management (AIM) system, Alpha-phe, is a modern and comprehensive cloud-based system. It is built on a "Zero code" technology platform which allows building of any software WITHOUT coding and hence enables fast customisation and implementation. α-phe AIMS is an "enterprise" system that allows connectivity between modules, integration with other enterprise and data systems. e.g. CMMS, DCS, live sensors etc. and fast data migration for speedy implementation. Our modular architecture allows phased approach to implementation, leaving the pace and control of AIM system implantation in the hands of our client.

α-phe AIMS covers the full AIMS framework and all the analytics software modules making it a holistic solution. AIMS framework modules include



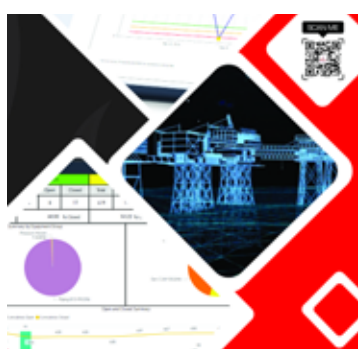
STAND NO: 1C15 HALL 1

Asset Management, Work Pack Management, Inspection Planning, Inspection Reporting, Wall Thickness Recording, Anomaly Management, and Scheme of Examination. Our analytics modules include RBI for static equipment, structures and pipelines, RCM, IOW, FFS, Corrosion Prediction, SIL and Barrier Management.

We provide end-to-end services for setting up the fully integrated digital AIM system and, to operationalise the system, we perform base line assessments and set the entire system up for Re-assessments in its operating life.

There is a significant push to assure the continuous safe and efficient operation of oil and gas assets that are approaching end of their original design life. We have performed Asset Life Extension (ALE) studies covering condition assessment, adequacy check, Obsolescence assessment and deliver an ALE programme to prolong safe and reliable operating life of the facilities.

Ankaa Consulting will be sharing their capabilities in digital technology that helps deliver digital transformation, AIM digital enterprise system and a systematic approach to ALE for aging assets.



## RELIABLE SUPPORT THAT OIL & GAS SECTOR CAN DEPEND ON

**W**e're attending EGYPS to highlight and raise awareness of Aramex's experience and infrastructure to fully support the extreme challenges of the Oil and Gas industry. Our integrated logistics solutions are driven by an established commitment to cost-effective approach and on-time delivery, and are custom designed to cater to the specific needs of the dedicated petroleum industry specialists.



STAND NO: 2G69 HALL 2

We are already supporting many of the largest Oil and Gas operations and companies around the world. Aramex designs and implements the most efficient and streamlined supply chain solutions, capable of providing the complete control and visibility needed to track shipments across the globe.

### Our solutions:

- 1- Supply chain management:
  - a. Aramex strength lies in modelling effective operational solutions to ensure that our clients receive the optimal solution every time
- 2- Rig moves and support:
  - a. Aramex supports oil exploration, drilling and pumping operations through rig move management services
- 3- End-to-End logistics support:
  - a. Aramex offers end-to-end logistics solutions to support new projects and existing operations

### Our success factors:

- 1- Compliance:
  - a. We are committed to the highest standards of compliance within

the Energy industry, including the Foreign Corrupt Practices Act (FCPA) and UK Anti-Bribery Act and Organization

2- Health, Safety, and Security:
 

- a. We treat Oil and Gas health and safety concerns with the utmost seriousness and attention. We actively pursue practices to provide a risk-free working environment for our employees, business partners and customers

3- Quality Management System:
 

- a. We employ a specialised "Business Improvement and Efficiency" team

4- Technology:
 

- a. We employ state-of-the-art solutions to increase the efficiency of our operations, enhance the quality of our services and empower our people

5- Sustainability:
 

- a. Our responsibility towards the environment is among the core pillars of our sustainability strategy, especially since we rely on transportation to conduct our business



## CUTTING-EDGE ONSHORE, OFFSHORE SOLUTIONS

**E**GYPS 2023 is just around the corner and offshore energy solutions provider, EDT OFFSHORE, is preparing to showcase its latest innovations and solutions at the event. As a leading player in the Eastern Mediterranean Market, EDT OFFSHORE will be exhibiting a range of services aimed at helping companies unlock the full potential of their offshore energy projects.

At EGYPS 2023, EDT OFFSHORE will be exhibiting its cutting-edge onshore and offshore solutions. These innovative solutions are designed to enhance the performance and efficiency of offshore energy projects, ensuring that companies can extract more value from their investments. Whether it's a wind farm, oil rig or any other offshore energy project, the subsea solutions provided by EDT OFFSHORE are tailored to meet the specific needs of each project.

EDT OFFSHORE will be showcasing their comprehensive range of logistics services, which include port agency, bunker supply, and cargo services. The company has extensive experience in providing a full range of port agency services, including ship clearance, spares, cargo handling, provisions and crew management / husbandry services. EDT OFFSHORE has a proven track record of successfully managing port calls, in the ports of Cyprus, Lebanon, Egypt, Israel and Greece and they are eager to demonstrate their capabilities to a wider audience at EGYPS 2023.

Another highlight of the exhibition will be EDT OFFSHORE's bunker supply services. The company is committed to delivering high-quality bunker fuel and lubricants to their clients, and they have the expertise and experience to ensure a smooth and efficient process. EDT OFFSHORE will be showcasing their ability to manage bunker supplies in various ports, and visitors will have the chance to learn about the benefits of working with a company that has a deep understanding of the bunker supply industry.

Moreover EDT Offshore will be showcasing their extensive range of services in ship repair, maintenance and conversion, dry docking and supervision. Visitors will have the opportunity to see their innovative approaches to ship maintenance and repair, including their use of advanced technology and highly skilled technicians. With over 40 years of experience in the industry, the company has a deep understanding of the importance of proper dry dock management and they are well

equipped to ensure that each dry docking project is executed smoothly and efficiently.

Another key highlight of the company's exhibition at EGYPS 2023 will be its state-of-the-art underwater technology installed on their modern fleet of vessels. From remotely operated vehicles (ROVs) to acoustic positioning systems, these technologies provide a range of benefits to offshore energy projects, including improved safety, increased efficiency and lower costs.



In addition to its cutting-edge technology, EDT OFFSHORE will also be showcasing its highly skilled and experienced team of engineers, technicians and project managers. With years of experience working on some of the most challenging offshore energy projects around the world, the team at EDT OFFSHORE has the expertise and knowledge to provide tailored solutions and support to companies operating in this sector.



# PETROJET

## WE ARE Transforming To Digitalization

EPC CONTRACTOR

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www.petrojet.com.eg BOOTH:2C50 HALL 2

## YOUR GATEWAY TO GREECE OPPORTUNITIES

**E**nterprise Greece is the official investment and trade promotion agency of the Greek State, operating under the auspices of the Ministry of Foreign Affairs. We are your gateway to the opportunities Greece offers.

Our mission is two-fold: We provide foreign investors with a one-stop shop for information, consulting, and assistance through every phase of their investment project, and we promote Greek products and services in international markets. Our goal is to help your business grow and thrive.

We offer a set of integrated investment facilitation services, to provide a one-stop shop for investment projects. Our investment advisors follow international best practices and specialise in specific sectors to ensure the highest level of service to investors. We will provide you with targeted information on everything from tax and labor regulations to land use, licensing and available financial tools and incentives relevant to your project. We can also assist with site location, personnel sourcing, and matchmaking to local businesses. Our advisors prepare customised investment proposals and evaluate projects for inclusion in the special Fast Track process for strategic investments. We are always available to discuss potential projects and the best way for investors to reach their goals.



STAND NO: 2139 HALL 2

We support Greek exporters and promote Greek products and services to international markets. We help Greek producers maximise their export potential, through information and mentoring; promotion and B2B networking; coaching and consulting. We organize Greek trade missions abroad, as well as a range of innovative promotional programs to acquaint buyers, distributors and wholesalers with Greece's quality products in international markets. Our experts provide local market intelligence, facilitate business connections and offer industry insights to help you choose the commodities that will complement your range of products. We host foreign buyers and business delegations in Greece, and organise B2B meetings with Greek manufacturers and local enterprises, in order to ensure sustainable and long term growth for both parties.

## ALL ABOUT CHEVRON

**C**hevron's history in Egypt dates 86 years, when you visit us, you will learn more about our leading position in the region.

Today we are present in all sectors of the country's oil and gas industry including



STAND NO: 2A50 HALL 2

upstream, downstream, and gas sales. We will share with you, visuals and maps to so you can learn more about our offshore presence and our significant new gas discovery at the Nargis Offshore Area Concession.

Chevron is partnering with the Egyptian government to support their regional strategy to help develop Eastern Mediterranean energy resources for the country, the region, and globally. A team of Chevron executives will be at the booth throughout EGYPS 2023 to talk about the company's businesses and partnerships in Egypt and how the company is helping to meet the world's growing demand for energy, whilst advancing a lower carbon future for all.

Chevron will also showcase its Corporate Responsibility strategy in Egypt through a series of videos. Chevron strives to empower people to improve their lives, to achieve their aspirations and to meet their full potential.



Energy is reinventing itself, Total is becoming TotalEnergies.



**TotalEnergies**



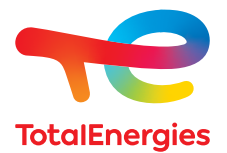
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# CHEIRON

## A Commitment to a Lower Carbon Future



 **EGYPS**  
EGYPT PETROLEUM SHOW  
13 - 15 FEBRUARY 2023  
EGYPT INTERNATIONAL EXHIBITION CENTER

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VISIT US AT STAND  
**2B40 at Hall 2**

To support this commitment we are aligned with the World Bank Zero Routine Flaring by 2030 Initiative. All our companies are conducting detailed GHG emission reduction and energy efficiency opportunity assessments, including a focus on methane reduction, to understand Group wide reduction potential. This is being done with an expansion of the number of companies certified to ISO 50001 (for Energy Management). In 2022 we set our first GHG reduction target and have achieved substantial reductions to date in collaboration with EGPC. Cheiron, in conjunction with our partners Capricorn and the leadership team of Bapetco, have been delighted to describe within this publication Bapetco's own Greenhouse Gas reduction pathway towards Net Zero. Focus areas include:

- ✦ New Assets Design and Field Redevelopment
- ✦ Fuel Substitution (replacing diesel with gas)
- ✦ Eliminating Flaring and Venting
- ✦ Minimising Fugitive Releases
- ✦ Centralised Power Generation and Electrification
- ✦ Integration of Renewables

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