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## EXPANDING ENERGY COMMITMENTS: PIONEERS GEAR UP FOR AN EVOLVING ECOSYSTEM

The EGPES 2024 Strategic Conference, themed “DRIVING ENERGY TRANSITION, SECURITY AND DECARBONISATION,” closed with a powerful message from Egypt’s Minister of Petroleum and Mineral Resources, Tarek El Molla. He stressed the critical need for a diversified energy mix, including both fossil fuels and new renewable energies.

El Molla argued that Egypt, along with African and similar developing nations, has the right to leverage its resources to achieve a just and inclusive energy transition. This transition, he emphasised, must prioritise meeting the country’s development goals, population growth, and rising energy demands.

El Molla, underscored the clear need for diverse energy sources, including fossil fuels and new renewable energies, stating, “Investing in the petroleum and gas industry while committing to reducing carbon emissions and improving production processes exemplifies the industry’s dedication to development.”

Minister El Molla emphasized the need for a balanced approach to energy transition at the EGPES conference. He cited Egypt’s proposal for a “Carbon Removal Day” at the COP27 summit as a testament to their commitment to climate action. Additionally, he highlighted the petroleum and gas industry’s progress in environmental compatibility, energy conservation, and improving production environments, showcased at the Sharm El Sheikh and Dubai summits.

However, he underscored the importance of considering development needs, population growth, and energy demands. Stating that “up to 90% of electricity relies on fossil fuels,” he emphasized the right of Egypt, Africa, and similar developing nations to utilize their resources responsibly for an “inclusive energy transformation.”

“During the Sharm El-Sheikh and Dubai summits, the petroleum and gas industry highlighted its progress, commitment, and projects to achieve environmental compatibility, energy conservation, and production environment improvement,” El Molla added.

El Molla stressed the importance of natural gas as a clean fuel and a reliable option in achieving the energy transition, emphasising the state’s commitment to maximising expenditure on expanding natural gas delivery to citizens’ homes. This effort aims to maximise the Egyptian people’s benefit from this clean cooking fuel, serving as an alternative to butane gas and alleviating financial burdens.

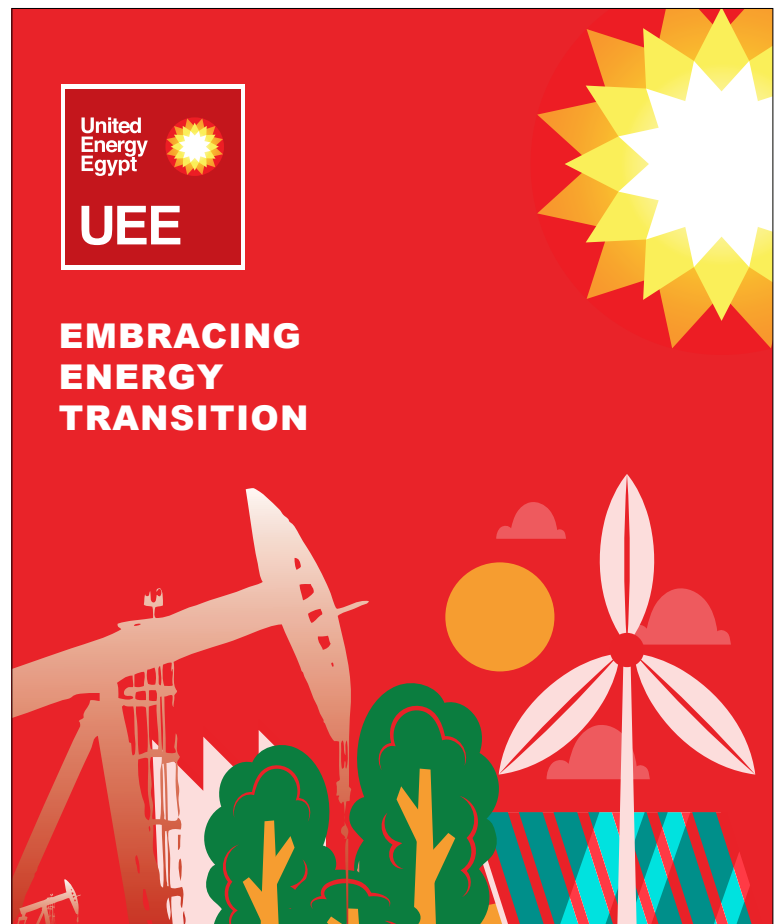
“I want to emphasize the significance of natural gas as a clean fuel and a vital component in our energy transition,”



**Investing in the petroleum and gas industry while committing to reducing carbon emissions and improving production processes exemplifies the industry’s dedication to development.**

**His Excellency Tarek El Molla**

Minister of Petroleum and Mineral Resources  
Arab Republic of Egypt



# 50 YEARS IN EGYPT

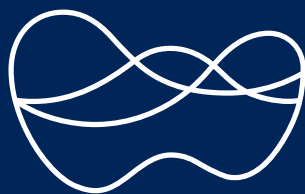
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# EXPANDING ENERGY COMMITMENTS: PIONEERS GEAR UP FOR AN EVOLVING ECOSYSTEM

CONTINUED FROM PAGE 1

stated El Molla. "We are committed to allocating maximum resources to expand natural gas delivery to our citizens' homes, aiming to provide Egyptians with a cleaner cooking fuel and an alternative to butane gas, ultimately relieving financial burdens on our citizens."

El Molla further explained, "Development, innovation, and optimal utilisation of technology are our tools to achieve energy transition, as highlighted in the current participation of young professionals in the conference and exhibition. We are eager to leverage the youth's technological expertise, skills, and digital capabilities."

Furthermore, El Molla indicated that Egypt aims to increase the contribution of new and renewable energies to 42% by 2035.

"Our state's commitment to increasing the contribution of new and renewable energies to 42% by 2035," stated El Molla, adding, "It's important to note that the success of this plan hinges on the provision of necessary funding. As a result, gas will continue to be our preferred option as a clean and low-emission fuel."

The second day of the EGYPES strategic conference dove deep into navigating the multifaceted energy transition. A key question lingered: How do we achieve an economically sustainable transition that satisfies consumer needs while harnessing new technologies?

The discussions spanned various angles, exploring energy strategies and methods to meet evolving customer demands before building industry models. Striking a balance between affordability, consumer satisfaction, and technological advancement emerged as a critical challenge.

"Over the past five years the narrative has shifted in the world to sustainability. Our mission is to enhance the capability of our product not just to drive a greater sustainability but to make our customers understand the potentials to reduce emissions," Antonio Pietri, CEO of AspenTech told a session titled, Downstream Decarbonisation and Circularity - Going Full Circle.

Working on the challenge of tripling the renewable energy by 2050, he added: "We are very keen on how to make our customers very efficiently and leverage their capabilities because everyone is talking about technology and investment but people would constitute a huge constraint and we need to focus on the development of people."

Mustapha Hamid, CEO of Ghana's National Petroleum Authority and President of ARDA, emphasized the importance of prioritising consumer needs in the energy transition. "We produce for consumers and keep what they want in mind," he stated.

He acknowledged the public's role in shaping decarbonization strategies, highlighting the impact of past accidents on public perception of clean cooking plans. According to him, In Ghana, these plans aim to achieve 50% Liquefied Petroleum Gas (LPG) penetration, but have faced resistance due to safety concerns.

While welcoming private sector involvement, Hamid stressed the government's crucial role in leading development, citing their initiative of providing free LPG to low-income households. "If people can't afford clean cooking gas, how can we move away from wood fuel?" he posed.

Ibrahim Mahgoub, President and Chairman of Egyptian Petrochemicals Holding Company (ECHEM) pointed out that "downstream decarbonisation is to prevent or reduce carbon emission in final stage, the challenge is how we can do that ... by many ways such as energy efficiency programme where we can reduce carbon during production and transportation which we are applying in our company under the supervision of the ministry of oil."

Jean-Philippe Torres, Senior Vice President Africa of TotalEnergies, highlighted his company's operations in more than 5000 gas stations in Africa.

"To work on the decarbonisation of power business, we made in few years quite big decision which was to solarise the majority of our gas stations in Africa which was complicated to do in 40 countries. As of today, 2700 stations all across the content are all solarised by generating like 50 gigawatt per year which saved to 25000 tons of CO2 per year which is good at our scale of work," the TotalEnergies's official added.

In the second panel, under the title Future ready business and operating models, Maria Rita Galli, Chief Executive Officer of DESFA said "Hydrocarbons are on high demand which is going to create challenges for everybody in terms of running the business today while we plan on how to run business tomorrow."

Stefano Venier, Chief Executive Officer, Snam affirmed that "It is really important to show flexible infrastructure to cope with switching inflows of energy in time of crisis."

Adriano Mongini, CEO of Azule Energy said "the largest challenge is to decarbonise our current production and to reduce emission with the production and to support the switch from oil to gas."

"Energy security and transition are two sides of same coin and that is the core point," he pointed out.

According to Sameh Sabry, Senior Vice President of Wintershall for the Middle East and North Africa, we are currently facing a unique set of challenges. "We are expecting to deliver on both energy security and energy transition," he remarked, but the question is how to do it while integrating it seamlessly into our business operations. Sabry emphasised the need to ensure that operating models are adapted to meet the demands of the future.

Meanwhile, the third session, under title of Advancing the Oil and Gas Methane Pledge and Zero Routine Flaring by 2030, Ahmed Osama, Technical Office of the Ministry of Petroleum and Mineral Resources, Arab Republic of Egypt emphasised that "Decarbonisation is a core part of the ministry strategy under the 16 pillars, one of which is to reduce carbon intensity of gas resources."

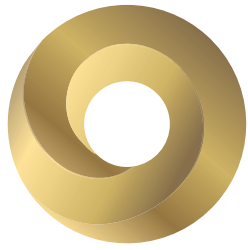
"The technology that we need to reach the required emission by 2030 are on ground and I believe this is much the case of methane," he told the panel.

"From the oil ministry side, we are working on the methane pledge, we managed to implement 30 gas recovery projects during the past six years," he added.

Reputable speakers of Tuesday's agenda included Eng Bader Saeed Al Lamki, Chief Executive Officer of ADNOC Distribution, Ibrahim Abdelqader Mekki Mahgoub, President and Chairman of Egyptian Petrochemicals Holding Company (ECHEM), Antonio Pietri, CEO of AspenTech, Mustapha Hamid, CEO, Ghana National Petroleum Authority and President of African Refiners & Distributors Association (ARDA) and Aida Araissi, Chief Executive Officer of Bilateral US-Arab Chamber of Commerce.



HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



# EGYPES

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# BECHTEL AT 125: BUILDING ON LEGACY, EMBRACING NEW CHALLENGES

## Interview with Karim El-Dessouky, Vice President and General Manager for Bechtel Egypt



### What are you looking forward to achieving in 2024?

As Bechtel has been around for 125 years now building inspiring projects, we are now looking forward for the next 125 years of the same being extraordinary people building inspiring projects.

We are full of optimism as we look ahead. Our people are excited by the challenges of tomorrow and the opportunities they present to change lives and build a better world. It fuels our imagination and creativity.



In Egypt, Bechtel has a proud 45-year history of delivering globally significant projects that have helped accelerate this vision, and we're excited about continuing to play a significant role in developing the next generation of energy projects alongside the Egyptian government and the energy sector. In short, we're building a world where future generations can thrive.

We are proud to be collaborating with the MoP on one of Egypt's most strategically important projects, the Suez Petrochemicals Complex. Currently, we are in the process of developing and finalising the complex phasing strategy and anticipating the signing of the Front-End Engineering Design (FEED) of the first phase in the coming months. This strategic project will have a huge impact on Egypt's economics and will play a significant role in strengthening Egypt's role in the region, as well as serving Egypt's 2030 vision.

### How can Bechtel support Egypt to achieve energy transition goals?

Around the world, we're providing clean energy solutions, decarbonising existing infrastructure and transportation networks, and protecting the environment through rehabilitation programmes and by safeguarding against environmental threats. In short, we're building a world where future generations can thrive.

In Egypt, Bechtel is leading a Coalition for Decarbonisation, which includes Enppi, Petrojet, Baker Hughes, GE, HSBC, and the National Bank of Egypt, to deliver a programme to decarbonise onshore downstream facilities by proposing facility modifications that provide meaningful emissions reduction, energy efficiency, and operating cost savings.

The Bechtel-led Coalition has developed a 6-year plan to drive the implementation of the proposed modifications across the 28 facilities by regional oil and gas clusters across Egypt.

The implementation of the plan has commenced at the Idku Cluster with the execution of three projects; Idku Power Unification project with EGAS, Shell, and Petronas; the ELNG Zero Routine Flaring project with Egyptian LNG; and the WDDM GHG Study till 2024 with Shell.

For state-owned facilities, with support from Ministry of Petroleum and the EGPC, we held workshops with Refineries operators at the Alexandria Cluster to discuss the decarbonisation opportunities and determine the next sanctioned projects.

As you are aware, securing financing for these projects has been a crucial issue. I am pleased to announce that after months of negotiations with the US Export-Import bank (US EXIM), Bechtel has received a letter of interest from US EXIM to support the implementation of the projects in our 6-year Decarbonisation plan. This is a significant step towards the progression of the plan, and it is an excellent example of private and public sector partnership to support Egypt's decarbonisation strategy.

### In your perspective, can we successfully attain decarbonisation objectives while ensuring the fulfillment of essential energy requirements for economic expansion?

Energy plays a key role in promoting social and economic progress – and technological advancements have created new opportunities to improve how we bring power to communities worldwide.

Carbon capture, hydrogen and circular economy solutions, including bioenergy, can help you meet the growing demand for downstream products in a cleaner and more sustainable way and our Bechtel Energy Technologies & Solutions team always focuses on the application of proven and emerging technologies to lower carbon emissions.

Bechtel has spent more than a century helping customers navigate shifts in energy consumption, technological change, financing challenges, and a sharpening focus on sustainable alternatives. Our commitment to you is to help turn today's political and social momentum for energy change into a reality and work together to ensure our planet thrives for many generations to come.

In Egypt and similar emerging markets, I believe specifically LNG, will play a key role as a transitional fuel for achieving emission reduction targets. Bechtel is proud to have built Idku ELNG, one of the two LNGs plants in the East Med Region. Egypt – via the Idku LNG plant – will have an instrumental role to play in diversifying European gas supplies and supporting the broader energy security.

Bechtel is also currently working with the Ministry of Petroleum on a major petrochemical complex critical for Egypt's economic growth that will have decarbonisation measures integrated within the design.

### Are there any specific objectives or initiatives that your company is bringing to EGYPT 2024?

Bechtel is leading a programme jointly with the Ministry of Petroleum to standardise safe working practices across the Egyptian petroleum sector by providing hands-on demonstrations and dynamic training. In partnership with the EGPC, bp, Petrojet and the American Chamber of Commerce, Bechtel has completed the construction of the first advanced Practical Hazard School for safety in the Ain Sokhna/Suez region.

This school in Ain Sokhna is the first of eight schools which aim to serve the eight regional clusters of petroleum sector projects across Egypt. The programme will be operated by the Ministry of Petroleum and mandates Practical Hazard school training and certification for all construction personnel across the sector, thereby raising and unifying the standard of safety across the country.

Bechtel will conduct training in accordance with the latest international standards for safety while improving adherence to these standards and promoting technical trades in the surrounding communities.

Tens of thousands of personnel will be provided with hands-on safety training, upskilling and verification of competence. The programme will serve construction craft, construction supervisors, the local community and students from regional technical schools, thereby providing opportunities for enhanced qualifications leading to future job opportunities.

### As we mark Bechtel's 125th anniversary, what would you like to say to your young talents?

I will quote our CEO and Chairman Brendan Bechtel when he said "No one working with my 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."

Bechtel's success over the last 125 years is a testament to the quality "of our people and their incredible talents, from engineers and project managers to skilled craft professionals and construction experts. We seek colleagues with diverse and global perspectives who live for a challenge and are powered by curiosity and the desire to make a difference.

We are now writing the next chapter in Bechtel's story, refusing to rest on past accomplishments and instead are 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. In short, we are putting the pieces in place to make the company stronger than before, just as previous generations have done.



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Exhibitor: TAQA Stand No: 2C30 HALL 2

# TAQA MARKS 20 YEARS WITH BOLD VISION FOR EGYPT'S ENERGY FUTURE

An interview with Hussam Abuseif, Vice President, TAQA



**Can you elaborate on the strategic significance of TAQA's recent acquisitions and alliances in the Egyptian market? Additionally, how do these initiatives align with the company's broader objectives and vision?**



TAQA has successfully completed the acquisition of companies in Canada, the United States, Saudi Arabia, Norway, the United Kingdom, and the United Arab Emirates. In addition, the company recently finalized the acquisition of 100% of Al Mansoori Petroleum Services, marking a strategic move to expand its presence in the Middle East, North Africa, Central Asia, and Eastern Europe.

These acquisitions have significantly contributed to the growth of TAQA's portfolio, enhancing its ability to offer leading well solutions with a primary focus on technology differentiation, agile offerings, and fit-to-purpose solutions.

In a strategic move, we are making substantial investments in Egypt with the aim of establishing it as the hub for our operations in Africa. Egypt's advantageous positioning makes it an ideal location for efficiently serving other African countries, leveraging its manufacturing capabilities and talent pool.

To further strengthen our presence and explore opportunities, we recently initiated an alliance with Petrojet. This collaboration, formed last month, aims to identify and seize various opportunities in oilfield development across Africa and the Middle East. Our collective efforts will encompass early production facilities, engineering, fabrication, and the manufacturing of equipment.

This commitment is reinforced by a memorandum of understanding that outlines the formation of a strategic alliance dedicated to exploring and pursuing integrated oilfield projects in Africa and the Middle East.

**As TAQA marks its 20th anniversary, what are your strategic investment priorities in the Egyptian market for the long term?**

Our strategic expansion in upstream operations is centered around leveraging the exceptional capabilities available to our operators in Egypt to establish one of the most comprehensive service portfolios.

With these capabilities, we are well-equipped to drive sustainable growth in the region, thereby enhancing our capacity to serve clients more effectively and contribute to the overall strength of the well-established energy sector.

In line with our commitment to exploring emerging opportunities, we have recently explored prospects

in geothermal energy transition. This initiative has unveiled significant potential and extensive opportunities for our customers in Egypt.

Our substantial investments in Egypt underscore our vision of positioning the country as the hub for our operations in Africa. Egypt's strategic location not only facilitates efficient service delivery to other African countries but also presents advantages from a manufacturing and talent perspective.

**How are you integrating sustainability considerations into your investment decisions and operations in Egypt?**

At TAQA, we hold a steadfast commitment to elevating our environmental initiatives and steering the energy transition towards a more sustainable future. We focus on bolstering Environmental, Social, and Governance (ESG) practices, as well as fostering new business models. By leveraging energy transition opportunities, we aim to address climate change risks.

In addition, in line with Saudi Arabia's Vision 2030, the Saudi Green Initiative, and the Carbon Circular Economy Framework, TAQA's decarbonisation roadmap is designed to capitalise on and showcase the success of multi-sector collaboration.

Our dedication extends to the advancement of safety standards and practices, ensuring a secure environment for both our employees and customers. To attain and sustain our company objectives and effectively embody our core values of safety and reliability, TAQA has implemented an integrated, documented management system framework. This framework is regularly referenced and audited against international standards.

As part of our core business strategy, innovation remains integral, and we continue to invest in cutting-edge technologies that actively contribute to the reduction of our carbon footprint.

**What is your vision for the future of Egypt's energy sector? And, how does TAQA see itself contributing to this vision?**

We have embarked on a new phase of expansion across Egypt, a regional hub and a robust gateway for further expansion into the Middle East and Africa. In addition to our technical prowess, we approach the market with ambition and fearlessness, pursuing new opportunities and bold product innovations.

This extensive offering is complemented by in-house Research and Development (R&D) capabilities

and engineering expertise, enabling us to develop proprietary tools and integrated solutions.

Furthermore, our commitment extends to developing transactional relationships into strategic partnerships. We recognise that access to an enhanced technology portfolio and a more diverse pool of talent are instrumental in addressing challenges.

Our comprehensive well solutions portfolio encompasses a range of services, including coiled tubing and stimulation, cementing, wireline, frac, directional drilling, downhole tools, completions, well testing, slickline, inspection, and H2S and safety.

**What expectations do you have for participating in EGPES 2024? Also, how do you anticipate your involvement will contribute to achieving your broader goals in the Egyptian energy market?**

TAQA's participation in EGPES 2024 aligns with our strategy to introduce cutting-edge technologies in the energy sector. Our strategy not only supports the United Nations Sustainable Development Goals but also contributes to the realization of Egypt's Vision 2030.

As a key participant in the show, TAQA will be extensively involved in various activities, with company leaders participating in five discussion sessions. Our primary objectives include showcasing our latest technologies in drilling, completion, well testing, and EPF services. Beyond technological display, our presence aims to foster dialogue, expand networks within the energy sector, and facilitate the exchange of experiences and knowledge.



**Our substantial investments in Egypt underscore our vision of positioning the country as the hub for our operations in Africa. Egypt's strategic location not only facilitates efficient service delivery to other African countries but also presents advantages from a manufacturing and talent perspective.**

# EMPOWERING EGYPT: ENERGY TITANS FORGE TRANSFORMATIVE ALLIANCES AT EGYPES 2024

As the centre of gravity when it comes to breaking deals with energy majors, EGYPES 2024 witnessed the signing of many memoranda of understanding (MoUs) and agreements. These include:

## EGPC, HALLIBURTON ENTERS AGREEMENT ON DRILLING WELLS SERVICES

The Egyptian General Petroleum Corporation (EGPC) has entered into an agreement with Halliburton to establish the Central Drilling Data Repository (CDDR) to follow up on and analyse the well drilling and maintenance operations at the EGPC, in addition to collecting and analysing well drilling reports by using Halliburton's technologies.

The agreement was signed by the Chairman of EGPC Alaa El Batal and Halliburton's North Africa Vice President, Ahmed Helmy.

## EGPC SIGNS COMMERCIAL MARKETING AGREEMENT WITH DRAGON OIL

The Egyptian General Petroleum Corporation (EGPC) has signed an agreement with Dragon Oil Company for marketing amounts of North Safa and Alwasl fields production which are located in the Gulf of Suez in order to export their interests of the additional crude production from the two fields.

The agreement came after the two fields started production successfully and this will achieve mutual economic both for both parties and will boost the Egyptian crude value in the international market.

The agreement was signed by the Chairman of EGPC, Alaa El Batal and the CEO of Dragon Oil Company, Ali Rashid Al Jarwan.

## EGPC, LUKOIL INK E&P AGREEMENT FOR WEST ASH EL MELEIHA

The Egyptian General Petroleum Corporation (EGPC) has inked an agreement with Lukoil Company for exploration and production at West Ash El Meleiha in the Eastern Desert.

According to the agreement, the company is committed to pumping more investments for drilling three development wells and exploring another two, which will lead to increased production. The agreement was signed by the Chairman of EGPC Alaa El Batal and the Director of Lukoil Egypt, Andrei Liakhov.

## EGPC ENTERS COOPERATION WITH TOTAL ENERGIES FOR MARKETING JET FUEL

A new cooperation transaction was conducted between the Egyptian General Petroleum Corporation (EGPC) and Total Energies on behalf of ADNOC marketing to evaluate the technical and economic feasibility of stations and jet fuel management and distribution.

The transaction includes accreditation of the current laboratories by an internationally recognized entity and periodic inspection of aviation warehouses and jet fuelling stations.

It also comprises the provision of the required support to improve the evaluation and feedback of airline inspections (IATA), training workers in the aviation sector on the latest quality standards, transferring Knowledge, providing technical support and capacity support related to energy transition and sustainability as well as evaluating other projects in the aviation sector and stations' expansions.

The agreement was signed by the Chairman of EGPC Alaa El Batal and the Managing Director of TotalEnergies Marketing Egypt Thomas Strauss.

## EGPC, CORC, LABWARE INK SERVICES CONTRACT IN LIMS

The Egyptian General Petroleum Corporation (EGPC) and Cairo Oil Refining Company have inked a services contract with LabWare for providing and operation of Laboratory Information Management System (LIMS). According to the contract, the program will be provided, operated, trained, and linked to the laboratory equipment as well as to ERP systems.

The contract was signed between Cairo Oil Refining Company's (CORC) Chairman, Wael Rizk and Managing Director at LabWare, Waqqas Asif.

## SIDPEC SIGNS MOU, FRAMEWORK AGREEMENT AT EGYPES 2024

Sidi Kerir Petrochemicals Company (Sidpec) signed a memorandum of understanding (MoU) with Hitachi Zosen Inova AG (HZI).

The MoU was signed by Mohamed Ibrahim, Chairman of Sidpec, and Touffik Fredj and Fabio Dinale, Vice Presidents of Hitachi Zosen.

The signed MoU aims to set the basic framework for the agreement between the two companies, for Hitachi to provide engineering design services for the project to establish a methane gas production unit on the land available to Sidpec to be used in Sidpec's

production operations using carbon dioxide (CO<sub>2</sub>) and hydrogen (H<sub>2</sub>) gases available to the company.

Sidpec also signed a framework agreement for partnership with Korra Energi Company. The agreement was signed by Ibrahim and Mohammad Ayman Farid, President of Korra Energi Company. According to the agreement, the criteria and determinants of the strategic partnership between Sidpec and Korra Energi are determined with the aim of establishing a joint-stock company for long-term cooperation and partnership in the fields of energy efficiency and sustainability in the Egyptian market and the region.

This comes as the company aims to become a leading company in the field of design, construction, operation, maintenance, and management of environmentally friendly energy efficiency systems specializing in industrial applications for the petrochemical, oil and gas industries.

## NEW COMPANY ON PATH TO SUPPLYING SHIPS WITH GREEN FUEL

The committee formed by the Prime Minister's decision No. 2772 of 2018 Issued a temporary license which is concerned with following up on the implementation of the new ship bunkering system to OCI HyFuels.

Witnessed by Minister of Petroleum and Mineral Resources Tarek El Molla, the license was issued by the committee chaired by the Ministry of Petroleum and Mineral Resources. The committee's members include the Ministry of Transport, the General Authority for the Suez Canal Economic Zone, and the Suez Canal Authority.

## GASCO SIGNS NEW AGREEMENTS IN HYDROGEN, EMISSIONS REDUCTION FIELDS

Minister of Petroleum and Mineral Resources Tarek El Molla has witnessed the signing of two cooperation agreements between the Egyptian Natural Gas Company (GASCO) and other partners.

He first signed agreements with RINA with the aim of cooperating to benefit from the expertise of RINA in the field of mixing hydrogen with gas.

## GAHOPE, SLB SIGN MOU TO EXPLOIT GEOTHERMAL ENERGY

Another memorandum of understanding (MoU) was signed between South Valley Egyptian Petroleum Holding Company (Ganope) and Schlumberger (SLB) to explore how geothermal energy can generate electricity.

The MoU was signed between Ashraf Bahaa, Chairman of South Valley Company (Ganope), and Sherif Bayoumy Managing Director of SLB Egypt, Sudan, and East Mediterranean.

The two parties agreed to study the technical and economic feasibility of cooperation regarding establishing geothermal power plants and providing related services. They also agreed to explore the best locations and the feasibility of using geothermal energy to generate electricity.

## EGPC, ENI SIGN MOU TO BOOST SUSTAINABILITY, COMPETITIVENESS INITIATIVES

The Egyptian General Petroleum Corporation (EGPC) has signed a memorandum of understanding (MoU) with Eni company to boost sustainability and competitiveness initiatives across Egyptian business system.

According to this MoU, EGPC and Egyptian Natural Gas Holding Company (EGAS) will join the OPEN-ES in order to enhance sustainable development for the industrial supply and competitiveness within the business ecosystem in Egypt, exchanging experiences and highlighting best practices.

The MoU was inked between the Chairman of EGPC, Alaa Al Batal and the Managing Director of Eni Egypt Mattia Campanati.

## ENPPI SIGNS TWO MOUS WITH HUAWEI TO PUSH THE WHEEL OF DIGITALISATION, GREEN DIGITAL ENERGY

Enppi has inked two memoranda of understanding (MoU) with Huawei aiming to provide developed technological solutions in the sector of energy, petroleum and digital energy to contribute to providing clean, stable, low-carbon energy supplies at the lowest cost, and enhancing digital and technical transformation in Enppi projects.



# AFRICA CHARTS COURSE FOR JUST ENERGY TRANSITION, BALANCING GROWTH AND SUSTAINABILITY



**EGYPES**  
**AFRICAN**  
**DIALOGUE**  
**CONFERENCE**

**T**he African oil and gas industry is at a pivotal juncture in light of the growing dynamics that have been reshaping Africa's energy landscape. The inaugural EGYPES 2024 Africa Dialogue Conference plays a crucial role in unleashing the continent's potential and reevaluating energy strategies.

The dialogue provided a platform for eye-opening and evidence-based discussions on complex energy transition issues among key African stakeholders, including top government officials, financial institutions, economists and energy leaders. Such face-to-face meetings also help lay foundations for constructive dialogue to address both challenges and opportunities.

The global drive towards sustainability and green transition is undeniable. But, this is more challenging in Africa whose population is expected to double by 2050, and consequently the continent's energy demand is expected to remarkably increase in the next two decades. Also, we have to bear in mind that fossil fuels will maintain a prominent role in the region's energy mix as African economies are heavily dependent on oil and gas export revenues.

In this regard, Keynote Speaker Omar Farouq Ibrahim, Secretary General of the African Petroleum Producers Association (APPO), touched upon the importance of fossil fuels in Africa's just energy transition.

Ibrahim highlighted key figures related to the continent as Africa has about 13 million square kilometers or 20% of the landmass. In terms of energy resources, Africa has over 155 billion barrels of proven crude oil reserves and more are still being found. Africa is also blessed with 30% of the world's mineral resources.

"Yet, Africa is the continent with the largest proportion of people living with no access to energy, having over 640 million people without access to electricity, and over 900 million without access to any form of modern energy for cooking. It's important to note that for a vast majority of Africans who live without access to energy, it is simply because they cannot afford the cost of it."

Meanwhile, the APPO Official stressed that energy transitions are not new to mankind, and that each successive transition provided better energy than the previous one.

"The quest for energy security is the driving force for today's rush for energy transition. Individually, no one African country can successfully surmount the

imminent energy challenges posed to it by energy transition. However, working collectively will help us have all the details to surmount all the challenges," he remarked.

In a related context, the African Union Commissioner for Infrastructure, Energy & Digitalisation, Amani Abou-Zeid, reviewed Africa's Climate Strategies

In the wake of COP28, suggesting a forward-looking perspective on the continent's strategies and actions to combat climate change.

It is worth mentioning that Africa is the most vulnerable to the severe impacts of climate change though it is the least contributor to the global emissions.

In her speech, Abou-Zeid stressed the paramount importance of making best use of all available technologies besides investing in human capital to make sure the continent has the human capital that is capable of implementing, maintaining and operating.

"Access to reliable and affordable and sustainable energy forever is our aim and purpose and this is what we do. Africa's share of renewables in Africa's energy mix is about 40%. So, we are actually the leaders," she stressed.

The African Union official also reiterated that it is shocking that a continent that has been endowed with all kinds of natural sources necessarily for energy and beyond, is also the poorest when it comes to energy access.

The African Dialogue also shed light on pivotal issues like Navigating Africa's Energy Dilemma in terms of striking a balance between alleviating energy poverty and driving economic development while addressing global calls to reduce greenhouse gas emissions.

In this regard, the speakers, including H.E. Antonio Oburu Ondo, Minister of Mines and Hydrocarbons in Equatorial Guinea emphasised that this transition needs to consider the unique circumstances that the continent faces in terms of ensuring energy security and alleviating energy poverty.

More importantly, the African Dialogue opened a fruitful discussion over innovative solutions and strategies to overcome Africa's natural gas infrastructure challenges. For his part, Ahmed Khalifa, Deputy CEO, Planning & Projects at the Egyptian General Petroleum Corporation, highlighted Egypt's success story in striking a balance between meeting local demands and also promoting exports.

On local level, the Egyptian official referred to the Decent Life initiative that seeks to provide citizens with natural gas. This also goes in parallel with Egypt's ambition to become an energy hub, bearing in mind the remarkable progress in this domain. Similarly, Mamadou Beye General Manager, Corporate Affairs at Chevron International Exploration and Production, expressed his impression with Egypt's expertise both on local and regional levels.

The role of private sector cannot be overlooked and therefore, Adly Kafafy, Vice President Africa & New Ventures at TAQA Arabia, stressed that the real support of the governments will help enhance the role of private sector in a way that ensures the benefits of all parties.

Among the key messages shared by experts in the African Dialogue is that the gradual shift from fossil fuels to clean energy sources is the adequate approach for the continent. This also goes in tandem with the strategies of the African governments that already showed real ambition and commitment to joining hands to combat climate change.

Despite all these challenges, the green transition offers Africa a unique opportunity to make the best use of its enormous energy potential, especially renewable energy and natural gas. According to official figures, Africa possesses 8% of the world's proven natural gas reserves.

The African Dialogue also delved deep in how Africa can leverage its rich energy resources to drive the continent towards a more prosperous and sustainable energy future.

The speakers also shared their visions on how African countries can benefit economically from their natural gas resources, taking into account that Africa's gas has the ability to meet growing domestic energy needs and also function as a natural gas trading hub for global markets.

Adopting a holistic approach, the African Dialogue also tackled policy and regulatory frameworks for Africa's energy transition to ensure that the exploitation of natural resources has a positive impact for its local economy. On a positive note, Several African countries have successfully implemented policy and regulatory frameworks that support the energy transition like Egypt, Kenya, Ghana, South Africa, Nigeria and Morocco.

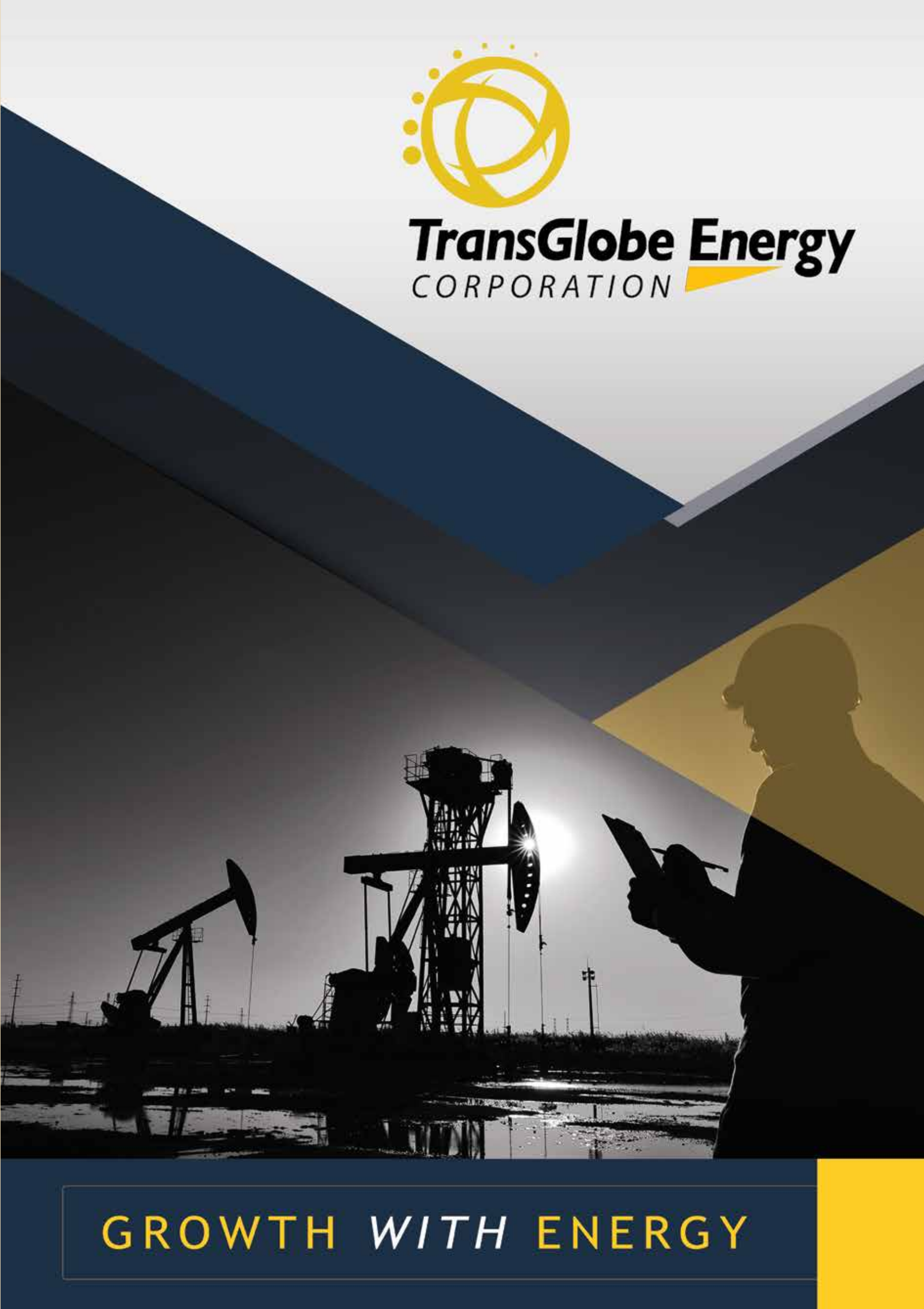
Leaving no one behind, the Dialogue also shed light on developing energy infrastructure in rural Africa which is grappling with significant energy gap. The speakers stressed that the adoption of renewable energy holds great promise in addressing rural Africa's energy needs.







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**GROWTH WITH ENERGY**

# A TECHNICAL FEAST FOR ENERGY PROFESSIONALS



The second day of the EGYPES Technical Conference featured 20 sessions that covered a wide range of topics, including innovations in offshore and marine technology, alternative energy sources like hydrogen and renewables, as well as decarbonisation pathways and circular economy. There were also discussions on pipeline infrastructure and digitalisation.

In a session about hydrogen production infrastructure and development, Heba Bahaa Eldeen, Head of the Technical Office at Egyptian Natural Gas Company (GASCO), dealt with hydrogen supply-chain challenges and energy future in Egypt.

"To achieve the ambitions of COP21, the world needs to transform from non-renewable, carbon-based energy sources to low-carbon energy sources," said Bahaa, referring to the important role of hydrogen in the energy transition and the need to overcome the challenges facing its deployment.

"The challenges for promoting green hydrogen projects in Egypt is a mandatory to set stimulation roadmap includes supporting projects which aim to produce electricity from renewable energy sources, deploying mechanisms to accelerate demand for green hydrogen, gradually eliminating industrial technologies based on fossil fuels and imposing carbon tax, and lastly, incorporating long-term planning for hydrogen electricity and gas infrastructure," Bahaa concluded.

In the same session, Maha Zahran, Risk Management and Strategic Planning Manager at PETROJET reviewed a presentation about green hydrogen from theory to end.

She explained the green hydrogen value chain starting from its production to its distribution, storage, and liquefaction

"We need to accelerate and speed up the deployment of green hydrogen as one of the solutions to achieve net zero emissions," stated Zahran.

A session titled "Embracing Circular Economy" was co-chaired by Benson Egbeverurie, QHSE Director, Egyptian Liquefied Natural Gas, and Mohamed Fathy, Manager at EGPC.

During the session, a presentation was made by Ahmed Shoman, Head of Technical Support at ETHYDCO, who showcased the mechanical recycling of polyolefins (packaging recycling). Shoman also discussed the effect of additives in the mechanical recycling process and end product specifications.

"Only 29 million tons or 9% of the 353 million tons of plastic trash produced worldwide in 2021 are recycled. The present system for producing, consuming, and managing garbage is obviously unsustainable," said Shoman.

"Consistent mechanical recycling will lead to improved recycling rates, increased recycled content in products, and minimise the plastic we export landfill, incinerate, and litter," he added.

The challenge now is to develop the best technical and economical solutions for the desired property profile," he concluded.

In a session that dealt with offshore and marine operations, Yasser Elshehabi, Assistant General Manager at Gulf of Suez Petroleum Company (GUPCO), showcased a case study about the optimisation for oil production using ESP and HJP systems techniques.

During the same session, Hany Abd Elsattar, Marine Operations Manager at TAQA, talked about the

development of a customised multi-purpose offshore vessel with dynamic positioning capabilities in large-scale well intervention operations.

In a session titled "The Power of Renewables," Hossam Elbakry, Rotating Equipment Engineer at Suez Oil Company (SUOCO), reviewed a case study about small wind turbines for power generation on unnamed offshore oil and gas platforms in Egypt.

Within the same session, Yasmin Saad, Production & Energy Efficiency Engineer at Eni, showcased the design and implementation of a six-megawatt photovoltaic power plant.

In the session, Hebatallah Khaled Abd El Badie, Senior Electrical Engineer at Engineering for Petroleum and Process (Enppi), discussed performance improvement of wind generators using hybrid particle swarm algorithms and grey wolf optimiser.

The session was concluded with, Maged M. ElFateh, General Manager Assistant at Alexandria Mineral Oil Company (AMOC), talked about optimising the efficiency of PV modules.

Regarding oil and gas economics, concession agreements and project finance, a session titled "Financing Egyptian Energy Projects" was co-chaired by Ahmed Sultan, Petrophysics Department Manager at Tharwa Petroleum Company and Nevine Hussein, Head of Planning at United Energy Egypt.

In this session, Ibrahim El Sihamy, Department Manager at ETHYDCO, talked about the risks involved in financing Egyptian energy projects in light of foreign currency exchange rate fluctuations.

On the same note, Omar Abdulaziz, Assistant General Manager and ANRPC Chairman Technical Office at Alexandria National Refining & Petrochemicals Co. (ANRPC), presented a techno-economic case study about the benefits of optimising hydrogen in refineries.

Meanwhile, a session titled "Decarbonisation Pathways" was co-chaired by Walid Ramadan, MENATI Product Line Director Subsea Projects & Services at Baker Hughes and Khaled Gad, ELNG & Offshore Assets Manager at Shell Egypt N.V.

One of the presentations was delivered by Sherif Abdelmoneim, Customer Success Engineer at Tachyus Corporation under the title: "Road to Net



Emissions: Estimating Current Emissions (baseline) And Modeling Future Emissions to Calculate The Impact Of Future Operational Plans And Validate Strategy To Achieve Net Zero”.

“The ability to quickly generate scenarios provides the operator with the possibility to find the optimum energy generation strategy,” Abdelmoneim stated.

“Cost and geographic constraints will limit access to alternative energy sources in the near term,” he added.

The session concluded with Dina Moghazi, a student at the Faculty of Engineering Alexandria University who presented a paper investigating the renewable energy application in petrochemical plants.

A session titled “Pipeline Operations, Technology, and Infrastructure” shed light on the benefits of integration of artificial intelligence. In this domain, a presentation was made by Bruno Corbucci, Chief Operating Officer at Piccini Paolo Spa about virtual pipelines to flexible pipelines for achieving energy sustainability development.

Additionally, Mahmoud Abd El Wahab, Engineer in Petrobel presented a classification approach for predicting natural gas pipeline failures that are caused by natural forces through utilising artificial intelligence (AI).

During a session titled “Methane Emissions Reduction Strategy”, Lola Odunsi, International Sales Director at GhGSat Inc. talked about leveraging remote sensing satellite and aircraft technology as part of a methane reduction strategy.

Ahmed Barakat, Senior Operations Engineer at Cairo Oil Refining Company (CORC), also showcased advanced technologies for methane abatement in the oil and gas sectors.

Furthermore, in a session titled “Digital Transformation Best Practices” Ahmed Abu Rawwash, Field Maintenance Manager at Offshore Shukheir Oil Company (OSOCO), discussed the contribution of AI-based optimisation model for readability examination of safety instrumented systems used in the oil and gas industry to reduce risk cost and human efforts.





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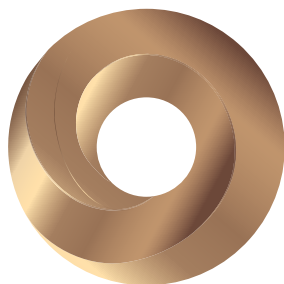


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# TECHNIP ENERGIES POWERS EGYPT'S ENERGY TRANSITION WITH LOCAL PROJECTS AND DECARBONISATION SOLUTIONS

## An interview with Francesco Cammarata, VP Business Development North Africa at Technip Energies

### Can you provide an overview of Technip Energies' current energy projects and operations in Egypt?

Technip Energies is a world-leading Engineering & Technology company for the energy transition, with leadership positions in LNG, hydrogen, and ethylene, as well as growing market positions in blue and green hydrogen, sustainable chemistry, and CO2 management. We benefit from our robust project delivery model supported by extensive technology, products, and service offerings.

Our company has a long history in Egypt, having engaged in the country since 1977 and completed over 30 facilities in offshore, refining, low-carbon hydrogen, chemicals, and diversified industries. Today, Technip Energies is currently executing two major local projects: the expansion of the MIDOR refinery in Alexandria to increase the refining production capacity by 60% and the construction of a new Hydrocracking Complex for the Assiut refinery on behalf of Assiut National Oil Processing Company (ANOPC).

Our office facilities in New Cairo provide operational, logistic, security, and financial support to all our projects and entities in the country. Our permanent staff offers clients full-service offerings and technologies in all segments of operations, from feasibility studies and FEED to lump sum EPC and project management consultancy.

### How do these projects align with Egypt's national energy strategy and sustainability goals?

In alignment with Egypt's Vision 2030 sustainable development strategy that aims to reduce greenhouse gas emissions in the energy sector by 10% by 2030, Technip Energies is fully committed to advancing the decarbonisation of the energy industry. We are already working closely with our clients and partners to offer innovative solutions for reducing or eliminating emissions from our clients' facilities and meeting their net-zero objectives. Regarding MIDOR and ASSIUT local projects in which we are involved, we implemented technologies that saved energy, minimised effluents, and reduced GHG emissions. Our company also contributes to securing energy for future development and diversifying the energy sector by developing clean fuels. We offer tailored CCUS solutions for any industry. Our scalable, proven, and affordable integrated CCUS solutions enable industries of any size to decarbonise. From initial advice and operational support to valorising captured CO2, we combine reliable design and leading technologies with over 60 years of gas processing expertise to add value at every stage of our clients' decarbonisation journey. Our goal is to power the energy transition for a better world.

### How does Technip Energies approach decarbonisation and sustainability in its projects and operations in Egypt? Are there specific initiatives or technologies being implemented to reduce environmental impact?

Technip Energies is working to complete the MIDOR expansion project and the ASSIUT Hydrocracker Complex; both the latest technologies of energy saving, minimization of effluents, and reduction of GHG emissions have already been considered. After being upgraded and modernized as the scope of the current jobs, the two refineries will produce the cleanest fuels (Euro 5) per international specifications with "zero" fuel oil. Therefore, the benefits for the environment will also be downstream. In addition, we have already studied the steps forward for MIDOR decarbonisation, with 17 possible micro-projects to be implemented in the coming years to reduce its carbon footprint. The same process will be applied in the Assiut refinery after the completion of the current project.

### What role does Technip Energies play in Egypt's future energy landscape?

Technip Energies is involved in the complete journey to the energy transition. We cooperate with several companies in Egypt to help them take the most sustainable direction: green hydrogen, green ammonia, green methanol, SAF, Biofuels, Plastic to Plastic, Oil To Chemical, etc. In addition to being a provider of a valuable set of advanced technologies, our company can also support the financing of eligible projects.

### What are Technip Energies' expectations and objectives for participating in the Egypt Energy Show 2024? How does the company plan to showcase its capabilities and offerings at the event?

EGYPES is North Africa and the Mediterranean's most important energy exhibition and conference, and we have been part of it since the beginning. The energy industry is global, and such large international gatherings provide us with an important service in facilitating the exchange of technical ideas and best practices. It will allow us to meet our clients, partners, and key decision-makers and to discuss market trends, innovation, and perspectives. This year, we will showcase our global expertise in chemicals, biofuels, LNG, low-carbon and green hydrogen, and more, as



well as how we assist our clients towards net zero. We will primarily focus on Capture. Now™, a strategic platform that brings under one umbrella all our CCUS solutions portfolio needed to support our clients on their decarbonisation journey, SnapLNG by T.EN™, our Solution Zero to deliver low-carbon LNG

in a new way with accelerated time to market, and our O&M consulting services. We will also showcase our involvement in Assiut and Midor projects.

### With the Egypt Energy Show transitioning into an energy forum, how does Technip Energies envision this change impacting the event and the industry as a whole?

As Egypt thrives toward a low-carbon future, having a projected \$1 billion investment in the energy sector across Egypt's Western Desert region, I see such a transition shall impact the event and the industry as a whole by providing a more comprehensive platform for discussing critical topics related to the energy transition, security, and decarbonisation, sharing more in-depth exploration of innovative technology solutions, further empowering innovation and the role of energy innovators in approaching net-zero targets. Additionally, it will continue facilitating collaboration and sharing best practices between key industry stakeholders, ultimately driving progress toward a low-carbon future.



**In alignment with Egypt's Vision 2030 sustainable development strategy that aims to reduce greenhouse gas emissions in the energy sector by 10% by 2030, Technip Energies is fully committed to advancing the decarbonisation of the energy industry.**

# EGYPES 2024 GALA DINNER: A NIGHT OF GLOBAL CELEBRATION

Following a dynamic and action-packed first day filled with diverse activities and thought-provoking interactions, industry leaders and energy professionals converged for a celebratory toast to EGYTES 2024's successful launch at the event's elegant Gala Dinner, held at the JW Marriott Hotel in Cairo.

Hosted by dmg events and sponsored by Chevron, IPR Energy Group, and ArcelorMittal Tubular Products Jubail (AMTPJ), the EGYTES 2024 Gala Dinner brought together over 500 regional and international industry leaders. Minister of Petroleum and Mineral Resources Tarek El Molla graced the event with his presence, highlighting the importance of collaboration in the energy sector. The evening commenced with an inspiring welcome address from Salman Abou Hamzeh, Senior Vice President of Energy, Middle East dmg events.

"It is wonderful to see longtime partners and familiar faces in the energy sector gathered here tonight. First, I want to express my gratitude to His Excellency Engineer Tarek El Molla for his guidance and support throughout this year. Your presence at the global energy communities' representation today speaks volumes as EGYTES reaches new horizons. Spotlighting the energy of the future, EGYTES is at a stage of fully growing," said Abu Hamzeh

This was followed by a speech from Gabriel Monti, CEO of AMTPJ, who expressed his delight in sponsoring this year's Gala Dinner along with Chevron and IPR Energy Group.

"I would like to express my gratitude to His Excellency the Egypt Minister of Petroleum and Mineral Resources Tarek El Molla for his steadfast support and unwavering commitment to the future innovation, partnership, and sustainable growth of the sector."

He also noted Egypt's growing position as a regional hub, providing a future for sustainable development in the energy sector with the guidance and support of the Ministry, in addition to the international companies and shareholders.

For his part, Minister El Molla expressed Egypt's warm welcome to the guests, comprising ministers, secretary generals, global CEOs, decision-makers, and leaders of different institutions and companies working in the energy industry.

Marking the seventh edition of EGYTES, Minister El Molla expressed his satisfaction with the significant progress the Egypt Energy Show has made in attracting global energy players and partners to participate in this landmark event.

"I think that this year also marks an important milestone in addressing energy as an integrated industry. This proves that we are on the right track," El Molla said.

In reference to the events of the first day, El Molla expressed his delight with the enthusiastic and stimulating atmosphere that prevailed throughout the show.

"The three-day EGYTES 2024 conference unlocks more opportunities for all of us, to do more business, understand each other and work towards creating new avenues, not only for Egypt but also for the region and our global partners," said El Molla. "Day after day, we can prove and demonstrate again that Egypt is a ready-made solution. We are up to it. Once again, I would like to thank our sponsors, our partners, and friends in my team who worked hard to arrange for this conference, the dmg team together with the ministry's team as well as my teams in the EGPC, EGAS, Ganope, and ECHEM. Thank you all I said that we are here talking about one industry; state-owned, joint ventures, and private sector."

The evening was concluded with a night of inspirational entertainment, including musical and dance performances celebrating Egypt's rich cultural heritage.



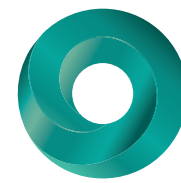
**The three-day EGYTES 2024 conference unlocks more opportunities for all of us, to do more business, understand each other and work towards creating new avenues, not only for Egypt but also for the region and our global partners.**

### His Excellency Tarek El Molla

Minister of Petroleum and Mineral Resources  
Arab Republic of Egypt



# BUILDING THE FOUNDATIONS FOR SUSTAINABLE ENERGY



**EGYPES  
SUSTAINABILITY  
IN ENERGY  
CONFERENCE**

**D**riven by the urgency of climate change and the need to achieve net-zero emissions, EGPES 2024 featured a Sustainability in Energy Conference, convening industry leaders to explore cutting-edge clean energy solutions for the global 2050 deadline.

The Sustainability in Energy Conference was held on February 20th under the theme “Shaping a Sustainable Energy Value Chain”. It took place as EGPES 2024 aimed to ignite the conversation for a cleaner, more secure energy future. Reimagining the global energy landscape, the conference fostered bold dialogues on diversification and proposed practical solutions through cutting-edge research and innovation.

Minister of Petroleum and Mineral Resources Tarek El Molla delivered a ministerial keynote speech on Egypt’s roadmap to increasing green energy and emissions reduction targets. El Molla noted that “The magnitude of the climate change challenge is larger than any government alone to overcome. Therefore, this global challenge requires effective, continued and pragmatic collaboration between the energy industry stakeholders including our partners from environmental ministries and energy institutions.”

El Molla concluded his speech saying, “I look forward to continuing to work hand-in-hand to achieve our common climate goals in parallel with securing the energy that the world needs to drive progress and prosperity from our society.”

On the other hand, Egyptian Minister of Environment Yasmine Fouad attended EGPES for the first time in 2024, which reflected the deep coordination between the oil and gas sector and the Environment Ministry to deliver a sustainable future. In her speech, Fouad emphasised the need for funds to achieve climate targets, pointing to the importance of sustainability in building a better future for Egypt. “We should not jeopardize the need of our future generations for sustainable development.”

At the beginning of the conference, Nadja Wendler, Vice President of Sustainability at Wintershall Dea, delivered a keynote speech, highlighting the importance of collaboration to reach a sustainable future. “Governments, industry leaders, innovators, and communities must unite in a shared mission for a sustainable future, leaving no one behind.”

The Sustainability Conference further included a panel discussion on the evolution of natural gas and liquified natural gas (LNG).

Panelists were Stefano Raciti, Mubadala Energy COO; Dalia El Gabry, Vice President Egypt & Country Chair at Shell Egypt N.V.; Sergio Molisani, Chief International Asset Officer of Snam; Ahmed Mostafa, Deputy Chief Executive Officer Production at the Egyptian General Petroleum Corporation (EGPC); Marco Villa, Technip Energies COO; and Wael Lotfy, Chairman & CEO of Enppi. The session was moderated by Pablo Avogadri, Partner and Associate Director, Energy at Boston Consulting Group.



The session dived into the role of natural gas and LNG in powering a smooth energy transition as panelists examined the unique benefits of natural gas and LNG and assessed their contribution to decarbonisation plans.



“The main objective is to maximise the displacement of coal with natural gas, while renewables and other clean energy sources can displace natural gas as an affordable and reliable source of energy,” Raciti stated.

Meanwhile, Mostafa highlighted Egypt’s potential to lead the energy transition, stating that “Egypt’s location allows us to be close to the big discoveries, and also the availability of infrastructure, subsea infrastructure and LNG projects, help us to secure energy demand for domestic and even for regional demand.”

“When we look at LNG, we look at a sustainable, reliable option for energy,” El Gabry explained, highlighting it as a critical fuel for the energy transition.

Molisani agreed, stating that “gas is the best solution to tackle the security of supply issues,” adding that “LNG is the best way to tackle the supply diversification issues.”

Additionally, Villa emphasised the importance of LNG in tackling the energy dilemma, explaining that it offers “more energy and less emissions.”

Meanwhile, Lotfy highlighted the upcoming generation’s rights for clean energy, stating that “no doubt that energy demand is increasing and also the rights of new generations for clean energy cannot be denied.”

Another panel discussion took place to discuss shaping the future of energy innovation. Panelists included Faisal Mohmand, Principal Vice President & President



at Bechtel Energy Technologies & Solutions; Mario Ruscev, Executive Vice President Products & Technology at TAQA; Rasha Hasaneen, Chief Product & Sustainability Officer at Aspen Technologies; Olivier Blaringhem, Executive Vice President at Subsea7; and Karim Badawi, Director of New Energy MENA at SLB. The session was moderated by Jan Zschommler, Market Area Manager Middle East & Africa at DNV Energy Systems.

The session discussed cutting-edge clean energy technologies fuelling the low-carbon future.

The panel further highlighted the existing sources to enable energy transition. Mohmand stated that "While we are waiting for the green abilities to become viable, blue hydrogen; blue ammonia, there are great ready options that are available. And with the right tools and the CO2 capture, I think there is a path, we are getting there, but it requires partnerships."

Additionally, Badawi pointed out the privilege of Egypt's location, saying that "Egypt stands a lot to gain by the energy transition," as it decarbonised the existing oil and gas sector. He continued saying that it can also "gain leverage of its geographical position to capitalise on solar and wind resources to lead the transition into green energy."

Meanwhile, the panel titled "Accelerating Net-Zero Targets through ESG Compliance" discussed how energy firms and energy companies are navigating the rising tide of ESG demands from investors and stakeholders.

Panelists were Ahmed Samir Elbermbali, Sustainability Market Leader for the Middle East Region at Bureau Veritas; Manal Hassan, Chief Sustainability Officer at El Sewedy Electric; Amira Osama, Head of Sustainability at Integrated Renewable & Sustainable Communities (IRSC); Lamé Verre, Co-Founder & Co-Chair at Lean in Equity & Sustainability; and Paddy Blewer, Corporate Communications Director at Energean. The session was moderated by Faye Gerard, Energy Transition Director at IOGP.

The panel highlighted the importance of data in the sustainable future journey. Hassan said, "If you look at sustainability as an economic system, then you are going to understand why data is important."

Meanwhile, Blewer indicated that it is important to commit to the sustainability goals, stating that "many people focus on the propaganda, the brand, and not serious sustainability work, and that is why we need to live it."

Another panel discussed decarbonising upstream oil and gas operations. Panelists included Jessica Jackson, Vice President of Environment, Health and Safety at Apache Corporation; Michael Egorov, Climate Manager at Wintershall Dea; Eleanor Rowley, Managing Director Egypt at Capricorn Energy; Kamel Al Sawi, President at United Energy Egypt; and Joey Deng, Huawei Egypt CEO.

The day went on featuring a panel on navigating a sustainable future in the maritime sector. Panelists included HE Khamis Juma Buamim, Chairman at Dubai Council for Marine & Maritime Industries (DCMMI Emirates); Raji Hattar, Chief Sustainability Officer at Aramex; Benjamin Neal, Head of HSSEQ at P&O Maritime Logistics; and Mohamed El-Ahmady, Vice President of Projects at Mediterranean Energy Partners.

The panel titled 'Building a Low Carbon Downstream Sector' featured energy leaders who explored the approach needed to decarbonise the downstream sector. Panelists included Mohamed Abady, Vice Chairman Energy Transition & Sustainability at EGAS; Mahmoud Nagy, Undersecretary for Distribution & Marketing at the Ministry of Petroleum and Mineral Resources; Alexander Kajo, Vice President & General Manager Downstream IMEA at Nalco Water; Fabien Lundy, Vice President Commercial EMEA at Axens; and Mohamed Shindy, Managing Director Egypt at Methanex.

Moderated by Antonio Lucci, Senior Manager Carbon Reduction Excellence at RINA, the final panel discussion tackled increasing the adoption of renewable energy in the energy mix. The discussion took place between Antony Watson, Chief Executive Officer at Ras Ghareb Wind Energy; Denisse Abudinen, ENAP Siptrol Egypt CEO; Mokhtar Abul Ata, Director North Africa at Infinity Group; and Maged Mahmoud, Technical Director at the Regional Centre for Renewable Energy and Energy Efficiency (RCREEE).

## SUSTAINABILITY IN ENERGY AWARDS

At the end of the Sustainability in Energy Conference, Minister El Molla presented the sustainability in energy awards for the best sustainability projects of the year.

For the best Corporate Social Responsibility (CSR) project of the year, the winner was Petrobel for the Smart Sustainable Integrated Community in South Sinai.

The best digitalisation project of the year was awarded to Egyptian Liquefied Natural Gas (ELNG), operator of the Future for the Best Digitalisation Project.

For the best decarbonisation project of the year, the winner is Universiti Putra Malaysia Suria for the Suria 16: A mega scale rooftop solar PV project in UPM.

The best hydrogen project of the year was awarded to Mansoura University for a project that establishes a framework for natural Hydrogen investigation based on integrating subsurface data with satellite images. For the best Environment, Social and Governance (ESG) Champion of the year, the winner is Petrobel for its biodiversity ecosystem services (BES) study - Sinai fields.



# FUTURE ENERGY ZONE & THEATRE: EXPANDING INTO NEW HORIZONS FOR SUSTAINABLE SOLUTIONS



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The second day of EGPES 2024 saw the Future Energy Zone solidify its position as a leading platform for innovation within the energy sector. This new addition to the event brought together top experts, stakeholders, and decision-makers from diverse industries - ranging from energy and construction to plastics, coatings, manufacturing, transport, security, interiors, and hospitality.

Boasting immersive experiences and insightful presentations, the Future Energy Zone became a must-see for all. This pivotal element of the exhibition delved into every aspect of the energy transition, offering a comprehensive view of the challenges and opportunities it presents.

"The Future Energy Zone was incredibly enriching!" said Ahmed Yehia, a Zagazig University student specializing in electricity. "I learned so much and got a much deeper understanding of the industry. I can't wait to attend similar exhibitions in the future."

The zone is also representing an unparalleled opportunity for companies, which were given a great opportunity to showcase their brand, attract fresh business opportunities, foster critical connections, engage with new markets, and glean invaluable insights.

Participants had the chance to spotlight their products, advocate for responsible practices, and position their brand for growth alongside regional and global partners. Moreover, they could delve into cutting-edge technologies, discuss the ramifications of the energy transition, forge connections to optimise efficiency for a cleaner future and explore growth opportunities across local, regional, and international markets.

The Future Energy Zone buzzed with excitement as exhibitors showcased the latest advancements in solar, wind, and other renewable energy technologies. Visitors eagerly interacted with cutting-edge products and services like energy storage solutions, smart inverters, and electric vehicles (EVs). Interactive displays brought the energy value chain to life, demonstrating how seamlessly renewable solutions can integrate into existing infrastructure.


Islam Heikal, Electricity Engineering Student, underscored the significance of the formidable exhibitors present within the future energy zone. He noted the active engagement between visitors and exhibitors, emphasising the pivotal role of such exhibitions in positioning Egypt at the forefront of the energy transition learning curve.


This zone was meticulously crafted to assist businesses worldwide in identifying opportunities arising from the future project requirements and strategic priorities of Egypt, North Africa, and the Mediterranean region. Throughout the event, discussions spanned the entire energy value chain, encompassing decarbonisation, digitalisation, hydrogen, alternative energy, and the pressing challenge of climate change.


Also, Alice Hunter, a participant from the United Kingdom, remarked on the significance of the event, noting the presence of influential exhibitors. She described it as a pivotal moment for the Egyptian energy sector.


Exhibiting at the Future Energy Zone within EGPES 2024 proved to be a lucrative move for participating companies. The event attracted over 35,000 attendees from international businesses, all eager to explore future project opportunities and strategic partnerships across Egypt and neighboring regions. This translates to significant economic implications for participants, as they were able to connect with a vast pool of potential clients and investors.


**EXHIBITOR  
PROFILE  
FUTURE  
ENERGY  
ZONE**


  
 DECARBONISATION


  
 HYDROGEN FUEL


  
 DESULPHURISATION


  
 TRANSITIONAL  
FUELS

  
 CLIMATE TECH

  
 METHANE  
REDUCTION

  
 RENEWABLE  
ENERGY

  
 NET ZERO  
INNOVATION

  
 CARBON CAPTURE  
& STORAGE

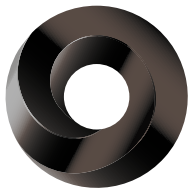
## CONFERENCE SESSIONS

Wednesday 21 February	FINANCE & INVESTMENT IN ENERGY CONFERENCE	10:00 - 10:20	10:20 - 11:00	11:00 - 11:40	11:40 - 12:20	13:30 - 14:10	14:10 - 14:50	14:50 - 15:30	15:30 - 16:10
		Industrialisation and Localisation Policies for Egypt's Clean Energy Transition	Creating and Investing in a Carbon Capture Roadmap	Allocating Trillion Dollars Globally to Achieve Net-Zero by 2050	From Greenwashing to Green Valuation: Standardising ESG Reporting	Establishing an East Mediterranean Natural Gas Hub	M&A Outlook in North Africa & East Mediterranean	Scaling up Green Hydrogen Production, Infrastructure Development and Deployment	Bridging the Energy Efficiency Financing Gap

Wednesday 21 February	EQUALITY IN ENERGY CONFERENCE	10:00 - 10:10	10:10 - 10:20	10:20 - 11:00	11:00 - 11:40	11:40 - 12:20	12:20 - 13:00
		Advancing Gender Equality in the Energy Sector: Tackling Sociocultural Barriers	Reinventing the Energy Workforce of Tomorrow	Empowering a Net-Zero Ready Workforce - Rethinking Talent Development	The Role of HR in the Evolving Energy Landscape	Redefining Success: Millennial and Gen Z Perspectives on Careers in Energy	Fostering a Culture of Equality and Gender Diversity in the Energy Industry

## TECHNICAL PROGRAMME HIGHLIGHTS

TIME	ROOM 1	ROOM 2	ROOM 3	ROOM 4	ROOM 5	
WEDNESDAY 21 FEBRUARY	10:00-11:30	<b>CATEGORY: DIGI SESSION 31</b> Big data and advanced analytics	<b>CATEGORY: HS SESSION 32</b> Process and occupational safety	<b>CATEGORY: OpEx SESSION 33</b> Efficiency and cost optimisation driven by intelligent automation	<b>CATEGORY: FD SESSION 34</b> Production optimisation: case studies	<b>CATEGORY: ENV SESSION 35</b> Reducing GHG emissions - opportunities
	11:30-13:00	<b>CATEGORY: DIGI SESSION 36</b> AI and ML	<b>CATEGORY: COMPL SESSION 37</b> Well intelligence and production enhancement	<b>CATEGORY: OpEx SESSION 38</b> Improving energy efficiency, asset integrity and product quality	<b>CATEGORY: FD SESSION 39</b> Integrated field development	<b>CATEGORY: ENV SESSION 40</b> Hydrogen production and utilisation
	14:00-15:30	<b>CATEGORY: DIGI SESSION 41</b> Digital twins	<b>CATEGORY: COMPL SESSION 42</b> Well integrity management and technology	<b>CATEGORY: OpEx SESSION 43</b> Asset innovation, cost and technical optimisation	<b>CATEGORY: FD SESSION 44</b> EOR innovation and technology	<b>CATEGORY: ENV SESSION 45</b> Environmental response and sustainable innovation



**EGYPES  
FINANCE & INVESTMENT  
IN ENERGY  
CONFERENCE**

**MINISTERIAL KEYNOTE SPEECH**

**10:00 - 10:20**

**INDUSTRIALISATION AND LOCALISATION POLICIES FOR EGYPT'S CLEAN ENERGY TRANSITION**

**PANEL DISCUSSIONS**

**10:20 - 11:00**

**CREATING AND INVESTING IN A CARBON CAPTURE ROADMAP**



**Alaa El Batal**  
Chief Executive Officer  
Egyptian General Petroleum  
Corporation (EGPC)



**Nicolas Katcharov**  
Chief Executive Officer  
Energean International



**Youssef Salem**  
Chief Financial Officer  
ADNOC Drilling



**Nikiforos Bantoukoudis**  
Chief Financial Officer  
HELLENIQ Upstream



**Giorgi Bibineishvili**  
Head of Upstream  
Georgian Oil and  
Gas Corporation



**Mohammed Abu Zahra**  
Head of Middle East and  
North Africa  
Global CCS Institute



Moderator  
**Ahmed Mokhtar**  
Vice Chairman  
& Managing Director  
NBK Capital Asset

**11:00- 11:40**

**ALLOCATING TRILLION DOLLARS GLOBALLY TO ACHIEVE NET-ZERO BY 2050**



**Zoe Knight**  
Group Head, Centre of  
Sustainable Finance,  
Head of Climate Change MENAT  
HSBC



**Norinao Sato**  
Senior Executive  
Vice President  
Middle East & Africa  
Yokogawa



**Anass Joundy**  
Associate Director, Natural  
Resources, South and East Med  
EBRD



**Scott Gale**  
Executive Director, External  
Engagement  
Halliburton Labs



Moderator  
**Steve Lutes**  
President Middle East Affairs  
US Chamber of Commerce

**11:40 - 12:20**

**FROM GREENWASHING TO GREEN VALUATION:  
STANDARDISING ESG REPORTING**



**Heba Abdel-Kader**  
Deputy CEO  
Foreign Trade  
Egyptian General Petroleum  
Corporation (EGPC)



**Moez Miaoui**  
Head of ESG Advisory,  
North and West Africa  
IFC



**Nkechi Amangbo**  
Vice President Liquidity,  
Commodities,  
Global Markets  
Moneda Investment



**Mohamed Shaker Abouelez**  
Chief Corporate and  
Structured Finance Officer  
Banque du Caire




**Mounia Attiga**  
Chair of North Africa  
Lean in Equity &  
Sustainability



Moderator  
**Mucha Hazel Nyandoro**  
Presenter  
EGYPES 2024

**13:30 - 14:10 ESTABLISHING AN EAST MEDITERRANEAN NATURAL GAS HUB**




**Yasseen Mohamed**  
Vice Chairman, Operation & National Gas Grid  
EGAS




**Fernando Kalligas**  
Senior Director of Corporate Affairs  
DESFA



**Naser Al Hajri**  
Senior Vice President, Non-Operated Assets  
Mubadala Energy



**Tameer Nasser**  
Finance Director Africa and Iraq  
Taqa




**Matthew Furness**  
Global Manager of Business Development, Downstream, Chemicals & Energy Transition  
Bechtel




**Moderator Giacomo Matarazzo**  
Development and Strategy Director  
Teréga

**14:10 - 14:50 M&A OUTLOOK IN NORTH AFRICA & EAST MEDITERRANEAN**




**Nicolas Evanoff**  
General Counsel & Chief Legal Officer  
Apex International Energy




**Heba Anwar Raslan**  
Partner  
Sharkawy & Sarhan




**Nathan Piper**  
Commercial Director  
Capricorn Energy



**Rouzbeh Fazlinejad**  
Managing Director  
Houlihan Lokey




**Leslie Zhang Weihua**  
Vice President & General Counsel  
United Energy Group




**Moderator Ross Cassidy**  
Vice President Middle East and North Africa  
Welligence Energy Analytics

**14:50 - 15:30 SCALING UP GREEN HYDROGEN PRODUCTION, INFRASTRUCTURE DEVELOPMENT AND DEPLOYMENT**




**Dimitris Triantafyllopoulos**  
Managing Director  
Hellenic Hydrogen



**Sven Goethals**  
Commercial Director of Hydrogen and Decarbonisation  
Tractebel




**Tarek Hosny**  
Head of Investments and Projects  
Fertiglobe



**Mohamed Sherif**  
Green Hydrogen Director  
Infinity Power




**Konstantinos Chatzifotis**  
EU Affairs Manager  
Motor Oil Group




**Moderator Antonio Lucci**  
Senior Manager  
Carbon Reduction Excellence  
RINA

**15:30 - 16:10 BRIDGING THE ENERGY EFFICIENCY FINANCING GAP**



**Ashraf Bahaa**  
Chairman  
Ganope



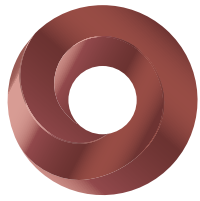
**Jauad El Kharraz**  
Executive Director  
Regional Center for Renewable Energy and Energy Efficiency (RCREEE)



**Mohammed El Haddad**  
Head of Energy  
IRSC



**Moderator Mucha Hazel Nyandoro**  
Presenter  
EGYPES 2024



**EGYPES  
EQUALITY  
IN ENERGY  
CONFERENCE**

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**WEDNESDAY  
21 FEBRUARY  
2024**

**KEYNOTE SPEECH**

**10:00 - 10:10**      **ADVANCING GENDER EQUALITY IN THE ENERGY SECTOR:  
TACKLING SOCIOCULTURAL BARRIERS**



**Moushira Khattabta**  
President  
National Council  
for Human Rights

**KEYNOTE SPEECH**

**10:10 - 10:20**      **REINVENTING THE ENERGY WORKFORCE OF TOMORROW**



**Moataz Moussa**  
Vice President  
of Business Services  
Wintershall Dea

**PANEL DISCUSSIONS**

**10:20 - 11:00**      **EMPOWERING A NET-ZERO READY WORKFORCE - RETHINKING  
TALENT DEVELOPMENT**



**Salma Al Hajeri**  
Regional Vice President,  
Operations - East-Med  
& North Africa  
Mubadala Energy



**Sherif Wessef**  
Learning &  
Development Partner  
Hitachi Energy



**Moataz Serag**  
Country Director Egypt  
Taqa



**Zainub Noor**  
Director, Scouting  
& Innovation  
Halliburton



**Tareq Al Hosani**  
Vice President,  
Energy & Projects Academy  
ADNOC



Moderator  
**Thenji Moyo**  
Partner and Head  
of Employment  
Gateley LLP

**11:00 - 11:40**      **THE ROLE OF HR IN THE EVOLVING ENERGY LANDSCAPE**



**Samar Yehia**  
HR Vice President  
Schneider Electric



**Muzzamil Khider Ahmed**  
Senior Vice President  
& Chief People Officer  
Baker Hughes



**Brandy Jones**  
HR Vice President  
Apache Corporation



**Walid Tayel**  
Group Chief HR Officer  
El Sewedy Electric



**Heba Abaza**  
HR Director, Middle East  
Eatons



Moderator  
**Wael Hossam**  
International Business Growth,  
HR and Digital  
Transformation Consultant



**Maha Ahmed**  
HR Director  
Lekela Power

11:40 - 12:20

**REDEFINING SUCCESS: MILLENNIAL AND GEN Z PERSPECTIVES ON CAREERS IN ENERGY**



**Nawal Nouri**  
Head of HR & Communications  
North Africa  
ENGIE



**Eric Oechslin**  
Director  
International Labour Organisation



**Yousra Assaker**  
Senior Energy Specialist  
The World Bank



**Wafaa El Ashry**  
HR Manager Egypt  
Shell



**Yara Rashad**  
HR Director  
Karm Solar



Moderator  
**Dina Hegazi**  
Partner, Energy  
Avery Law

12:20 - 13:00

**FOSTERING A CULTURE OF EQUALITY AND GENDER DIVERSITY IN THE ENERGY INDUSTRY**



**Kristian Svendsen**  
Country Manager  
Chevron Egypt



**Nahla Abid**  
Vice President Sales & Strategy, Middle East, Caspian Sea Region  
Bureau Veritas



**Manal El-Jesri**  
Public Affairs Manager  
Methanex Egypt



**Asma Almani**  
MENA Chair  
Lean in Equity & Sustainability



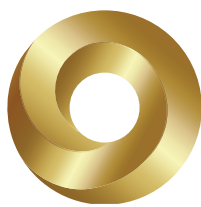
**Giuseppe Vischetti**  
Chief Financial Officer  
Energean International



Moderator  
**Dina Hegazi**  
Partner, Energy  
Avery Law



**Nahla Arsenault**  
Capex and Turnaround Lead  
Fertiglobe



**EGYPES ENERGY AWARDS**

**FINALISTS FROM ENERGY PIONEERS**

**NEX-GEN FEMALE OF THE YEAR**



**TALENT DEVELOPMENT PROGRAMME OF THE YEAR**



**WOMEN IN LEADERSHIP**



**KUFPEC**  
Kuwait Foreign Petroleum Exploration Co. K.S.C.  
A Subsidiary of Kuwait Petroleum Corporation



**Join us as we celebrate excellence and innovation in Energy**

**EGYPES Equality in Energy Awards**  
Wednesday 21 February 2024 | 13:00 hrs

# MINISTER EL MOLLA JOINS YOUNG PROFESSIONALS, EMPOWERS YOUNG MINDS

The Young Professionals Programme at EGPES 2024 kicked off day two with infectious enthusiasm, immersing students in activities designed to nurture the future of the energy sector. The programme offered avenues for exploring career paths, networking with industry leaders, and fostering success in inclusive workplaces.



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Adding a unique twist, Minister of Petroleum and Mineral Resources Tarek El Molla himself joined the young professionals and students. He actively engaged in exploring the latest technologies showcased at the event, mingling with students and emphasizing the crucial role of innovation in shaping a brighter future. He encouraged both youth and industry stakeholders to embrace these advancements fully.

Students from various universities expressed their deep appreciation for the Minister's presence, considering it an invaluable opportunity to interact with him and share their insights on the presented technologies.

Accompanied by Amr Abou Eita, Chairman and Managing Director at ExxonMobil Egypt, Minister El Molla received firsthand explanations of cutting-edge electronic and technological advancements. These included electric vehicles, augmented reality glasses, and other innovations displayed across the Young Professionals zones.

Also, Track Two started with ExxonMobil Exploration Workshop under the theme of "Shaping the Landscape of Tomorrow", where some experts, including Nourhane Mahmoud, Field Engineer at ExxonMobil Egypt; Moustafa Elkordi, Field Engineer at ExxonMobil Egypt; and Mahmoud Shihab, Data Scientist at SLB tackled the subject of encouraging in Shaping the professional career of the youth's future.

ExxonMobil spearheaded tailored workshops conducted by experts from the company aimed at significantly enhancing the knowledge base of participating youth, particularly those specialising in geosciences. These sessions delved into ExxonMobil's cutting-edge technologies and sustainable practices, offering invaluable insights into the industry.

The session started with Amr Abou Eita, Chairman and Managing Director of ExxonMobil, emphasising the importance of fostering innovation among young professionals, stating, "Make your mind open to choose new options.

I was very technical, but in the end, I sold a product in the engineering field."

Regarding the evolving job market, Abou Eita predicted, "Jobs that exist now won't exist in the near future." He urged individuals not to succumb to pessimism, cautioning, "Don't fall for the idea that there is no chance of reaching your goals."

Abou Eita concluded with a reminder to maintain a positive mindset, "One man's fruit is another man's poison. Travelling is not the solution. If you want to travel, go ahead, but you must believe you can achieve your goals in Egypt and avoid negative thinking."

Mahmoud and Elkordi delivered an impactful technical presentation, shedding light on key aspects of the energy sector, emphasising the significance of utilising advanced technology in energy and the rationale behind substantial investments in this field.

"Our focus lies in leveraging technology for problem-solving and informed decision-making, especially in critical areas like fuel management where the stakes are high," Mahmoud elaborated. "At ExxonMobil, our technology integration aims to streamline consumer experiences, offering efficient solutions that save valuable time."

Meanwhile, Elkordi emphasised, "At ExxonMobil, we were able to utilise technology to reduce friction consumption by 20% to 30%, which is pivotal. We prioritise energy efficiency by minimising friction between molecules, decreasing energy consumption by approximately 7%. Additionally, this initiative contributes to lower energy emissions."

This part of the programme concluded with a discussion with the Young Professionals Programme attendees. Shihab delved into various buzzword terms prevalent in their industry, such as "data science", emphasising its potential applications in the energy sector. He elaborated on the significance of "data analytics" for their prospective career growth.

The second day of the Young Professionals Programme also focused on university students, providing them with an interactive platform to explore the energy profession firsthand. Through on-site learning experiences, students gained insights into the workings of the oil and gas industry.

The programme's activities were diverse, encompassing various zones designed to educate and inspire young talent. For instance, the Race to Zero Zone aims to educate participants about the significance of reducing carbon emissions to combat climate change and explore career prospects in the energy sector.

Notably, attendees interacted with hands-on STEM kits in the Technology Zone, igniting high school students' interest in science and technology. Similarly, the Engineering Zone highlighted the pivotal role of engineering in shaping the future of energy.





تحت رعاية صاحب السمو الشيخ محمد بن زايد آل نهيان، رئيس دولة الإمارات العربية المتحدة  
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CHALLENGE

START-UP ZONE  
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SESSION  
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**WEDNESDAY**  
**21 FEBRUARY**  
**2024**



The growing impact of climate change due to greenhouse gas emissions has been a dominant cause for concern around the world, underscoring the crucial role of innovation and climate-centric technologies in accelerating a decarbonised future. As the energy transition begins to take shape, start-ups are emerging as pivotal catalysts, delivering technological innovations that hold the key to achieving a low carbon future.

EGYPES 2024 CLIMATECH Challenge serves as a global platform for start-ups to pitch their technological solutions and business models in front of a panel of influential judging committee, spotlighting pioneering start-ups with cutting-edge solutions to expedite the energy transition and amplifying the role of undiscovered energy innovators in advancing global net-zero targets.

The event encompasses a rich programme of keynote speeches, motivational talks and panel discussions – gathering global energy industry visionaries, investors, change-makers, and emerging start-ups to showcase the critical innovations and groundbreaking climate technologies that are accelerating decarbonisation and supporting the transition to clean energy sources.



**CLIMATE  
TECH**



**MARKET  
OPPORTUNITY**



**BUSINESS  
MODEL**



**TEAM  
COMPOSITION**



**INVESTMENT  
POTENTIAL**

## ACCELERATING CLIMATE ACTION IN ENERGY

WEDNESDAY 21 FEBRUARY	Empowering Climate Tech Start-Ups and Entrepreneurs <b>13:00 - 13:10</b>	Attracting Capital for Climate Tech Start-Ups <b>13:10 - 13:40</b>	Collaboration between Energy Corporations and Climate Tech Start-Ups <b>13:40 - 14:10</b>	Pitch 1 Circa Biotech <b>14:30 - 14:45</b>	Pitch 2 Golu Hydrogen Technologies Inc <b>14:45 - 15:00</b>
	Pitch 3 Planet AI Space <b>15:00 - 15:15</b>	Pitch 4 PiKARE Water and Energy Technologies Inc. <b>15:15 - 15:30</b>	Pitch 5 ASN Fuels <b>15:30 - 15:45</b>	Ministerial Speech <b>16:00 - 16:10</b>	EGYPES 2024 Climatech Challenge Winner Announced <b>16:15 - 16:20</b>

OPINION

# 2023: A YEAR OF ENHANCING CUSTOMER JOURNEYS



**A**DNOC Distribution has been providing energy for customers' journeys since 1973. Over this period, the company has been at the forefront of providing the best in customer service. In 2023, we continued to create memorable and positive experiences for our customers and communities by providing high-quality fuel and non-fuel-retail products, innovative digitally enabled experiences, and a culture of customer experience excellence.

We successfully launched several exciting customer-centric initiatives last year, including Click & Collect, Fill & Go, and a revamped ADNOC Rewards loyalty programme in our home market. Click & Collect allows customers to preorder their ADNOC Oasis purchases through our app and have them hand-delivered to their vehicle upon arrival to designated pick-up areas at ADNOC stations. Fill & Go leverages AI, computer vision, and smart cameras to offer customers a hyper-personalised, convenient refuelling experience at our flagship stations - where they don't need to hand over cash, tap their payment card, or even open their car window.

With over 1.8 million registered members, ADNOC Rewards is the UAE's most popular fuel loyalty programme. In 2023, we revamped Rewards to offer regular users even more benefits through the introduction of TIERS. And we are exploring how

best to adapt and introduce these innovations to the Egyptian market.

### Energising the Future of Mobility

We are also positioning our company as a leader in sustainable mobility as we respond to evolving customer expectations. In 2023, we launched the first phase of fast and super-fast electric vehicle charging points, with more than 50 now installed across our UAE service station network. We have taken the lead to pilot hydrogen through the launch of H2GO, the first high-speed hydrogen refuelling station in the Middle East.

Last year also saw us begin using B20 Biofuel to power our UAE heavy vehicle fleet. Made from waste cooking oil and blended in a state-of-the-art production facility in Abu Dhabi, this fuel will help us fulfil our commitment to reduce our carbon intensity by 25% by 2030. In 2022, ADNOC Distribution introduced the Voyage Green Series

range of lubricant products for both petrol and diesel engines, made from 100% plant-based oil.

As a progressive retail leader, we are exploring new technologies to energise the future of mobility. We're proud to have announced the launch of our robotic fuelling arm pilot in Abu Dhabi during the recent UAE Innovation Month - a first in the region and first to be certified and tested to operate during the hot summer climate. This step forward reflects our unwavering commitment to service excellence, shorter wait times, and empowering our staff.

**Saeed Al Ahababi, ADNOC Distribution  
Chief Shared Services & Technical Officer**



Energy is  
reinventing itself,  
Total is becoming  
TotalEnergies.



Stand No: **1H50** **HALL 1**

## **DRIVING INNOVATION AND DEVELOPMENT: HASSAN ALLAM HOLDING'S LEGACY IN ENGINEERING AND INFRASTRUCTURE**



**HASSAN ALLAM**  
H O L D I N G

**H**assan Allam Holding, a leading company in Egypt and the MENA region, has over 85 years of expertise in the fields of engineering, construction, and infrastructure. With a workforce exceeding 45,000 employees and a diverse portfolio of projects, we are actively involved in engineering, construction, investment, and development. Our scope also extends into renewable energy, water, logistics, mobility, and social infrastructure, with projects spanning from solar power and water to petrochemical facilities, museums, airports, and kilometers of roads and bridges across Egypt, Algeria, and beyond.

Within the oil and gas sector, Hassan Allam Holding has played a pivotal role in the construction of 50% of the LNG Cryogenic Storage in Egypt. Continuously partnering with oil and gas companies and technology providers, we offer comprehensive services throughout all project phases in the upstream, midstream, and downstream sectors across the region.

We're excited to announce that Hassan Allam Holding will be participating in the Egypt Petroleum Show (EGYPS) 2024, where visitors will have the opportunity to gain insights into our extensive experience in the oil, gas, and energy industry through key projects undertaken by the Holding and its subsidiaries, including Hassan Allam Construction, Hassan Allam Utilities, PGESCO, Hassan Allam Steel, Kortech, and Eden Facility Management.

Our key projects in the Oil and Gas sector include the Egyptian Refinery Company Project, the Damietta LNG Project, and the IDKU LNG Project.

In the Power and Energy sector, we have significant projects such as South Helwan 3X650 MW Supercritical Thermal Power Plant, Cairo North I and II 2X750 MW Combined Cycle as well as Al Ain Al Sokhna 2X650 MW Supercritical Thermal Power Plant.

Furthermore, our projects in Petrochemical and Fertilizers include the Phosphatic Compound Fertilizer Complex and the Egyptian Propylene and Polypropylene Company (EPPC) PDH/PP - Port Said, among others.

These substantial ventures reflect our commitment to driving progress and development in various industries, contributing to the sustainable growth and prosperity of the region.

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**BOOTH: 2B30 HALL 2**

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Stand No: 2D38 HALL 2

## BEYOND BOUNDARIES: PAN MARINE PETROLEUM SERVICES REDEFINES OFFSHORE SERVICES



**P**an Marine Petroleum Services Free Zone is one of the leading oil, gas, and energy services companies in Egypt. Initially serving the oil and gas sector exclusively, our vision has developed, in parallel with global decarbonisation initiatives, to cater to all segments of offshore energy production.



At EGYPES 2024, we will showcase our latest services we offer to our clients in the Egyptian Market to include but not limited to:

- › Provision of Offshore Support Vessels (AHTS, PSV, CSV, ERRV, Tugs, and Crew Boats).
- › Provision of Offshore Drilling Rigs.
- › Integrated 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.
- › Providing Consultation, Technical Support and Contracting.

Stand No: 1D20 HALL 1

## UAQ FTZ: THE SMART CHOICE FOR YOUR INTERNATIONAL BUSINESS SUCCESS

**N**ow you can start your business in the United Arab Emirates in the most cost-effective free zone in the region. The UAQ FTZ offers a great working environment in the perfect location at very affordable rates where you can both work and live. We extend our warm welcome to share our success by establishing a company in the UAQ FTZ and enjoy the highest quality of services and incentives. The UAQ FTZ is the Free Zone of the future, where progressive companies - regardless of the sector in which they operate - can enjoy doing business in a safe, secure and prosperous environment. Situated close to the UAE's primary sea ports and within 40 minutes' drive from Dubai International Airport and Sharjah International Airport, UAQ FTZ is the perfect location to set up any business within easy access to the rest of the world. The UAQ FTZ offers flexibility and ease of doing business, customer-friendly approach, investor-friendly climate, excellent growth opportunities, and cost-effective leasing options for office space and warehousing.



Benefits of licensing your company in the UAQ Free Trade Zone include:

- › 0% corporate and personal income tax.
- › 100 % foreign ownership.
- › 100 % capital repatriation.
- › Option for FZE, FZC, branches, subsidiaries and representative office.
- › Permitted up to 50 shareholders.
- › Full range of business activities permitted.
- › No currency restrictions.
- › 100% import and export tax exemption within the Free Zone.
- › Simple and fast registration process with excellent customer support.
- › Hi-tech facilities including office, warehouse and land availability.
- › Strategic location with access to over two billion consumers.
- › Ideal location for SMEs and micro-businesses.
- › Close to two international airports and major sea ports.
- › Special concessions at UAQ's sea port.
- › No restrictions on hiring foreign employees.
- › Modern and investor-friendly rules and regulations.

Stand No: 2N26 HALL 2

## TOP-QUALITY PARTS & SERVICE: THE VORTEX & TMCOMAS ADVANTAGE

**V**ortex is a leading turbomachinery service company with its partner TMcomas brings 70 years of specialized experience in rotating equipment repair.



if you end-user, operation, or service company, we are now Vortex & TMcomas in Egypt market giving you freedom not to be tight with single source OEM company for your critical compressor, turbine or pump, single sources always at an extreme high cost with low response and low delivery.

We deliver alternative parts and services with top quality for rotating equipment.



Stand No: **2F20** **HALL 2**

## BRINGING OILFIELD SERVICES TO THE NEXT LEVEL

**T**AM Oilfield Services- Duty Free Zone (DFZ) is formed under the Egyptian Law 43. The purpose of the company is to provide immediate services and supplies to oil companies. A TAM privately-owned Duty Free Zone warehouse in Amreya, Alexandria was therefore established for this purpose, where material and equipment are stored for immediate deliveries, whenever required. Currently, our warehouse comprises a Workshop for the assembly and repair of the BAKER HUGHES electrical submersible pumps, accessories and the Chemical division.

This year, TAM & BH now have established a strategic business relationship with the chemical business in Egypt. We believe that the combination of the artificial lift & chemical division can be a good provider of production solutions to the Egyptian Market to maximize production gains.

We would like all attendees to come and meet with all the below principals at our booth located at Hall 2, booth # 2F20

**BAKER HUGHES - ELECTRICAL SUBMERSIBLE PUMPS & Chemical Division**

**TXT PUMPS - CHEMICAL INJECTION PUMPS**

**MOKVELD - CONTROL SHUT OFF, CHECKVALVES & HIPPS**

**RED WING SHOE CO. - SAFETY COVERALLS & FOOTWEAR**

**GAR SPORT- SAFETY FOOTWEAR**

**PFT - WELLHEAD AND PACKER PENETRATORS**

**STYRECAST- CABLE PROTECTORS**

**Grippaz - Nitrile Gloves**

As a world-class company that has created a new standard of excellence for oil services in the market, we strive to do our very best to meet the needs of the market in an efficient and professional manner.



Stand No: **1F40** **HALL 1**

## THE FULL SPECTRUM OF PIPELINE SOLUTIONS

**F**ounded in 1990, 3X ENGINEERING (3X) is one of the world leading companies specialised in pipeline maintenance using composite technology. Mainly operating in Oil & Gas industry, 3X expertise also extends to Power and Construction sectors.



Developer, manufacturer, seller and installer of our products, we offer to our clients a complete integrated service.

From our head offices in Monaco, we operate worldwide, in any environment (Onshore, Offshore and Subsea), thanks to our large qualified distribution network of over 60 partners.

3X ENGINEERING products have been tested with Bureau Veritas, TUV, ABS, Lloyd's Register and private labs of well-known petroleum companies.

Since many years, 3X has offered innovative patented products and high qualified technical services in:

- › Pipe repair
- › Tank repair
- › Online leak sealing
- › Pipe and support protection
- › Flange repair (SF6 gas)
- › Structure reinforcement and protection

Our wide range of products is listed below:

- › REINFORCEKIT® 4D : High-performance composite repair solution for pipe reinforcement

- › REINFORCEKIT® 4D SUBSEA : Subsea composite repair solution for pipe reinforcement
- › REINFORCEKIT® 1D : Composite repair solution for pipe protection & reinforcement
- › REINFORCEKIT® PATCH : Long-term composite repair solution for tank and pressure vessel reinforcement
- › TANKIT® : Emergency composite repair solution for tank and pressure vessel reinforcement
- › STOPKIT® : Online leak sealing solution for emergency pipe repair (EPRS)
- › STOPKIT® VESSEL : Online leak sealing solution for emergency tank and pressure vessel repair
- › ROLLERKIT® : Protective composite solution for corrosion under pipe support (CUS)
- › REINFORCEKIT® STRUCTURE : Composite solution for structural repair
- › REFLANGEKIT® : Online SF6 leak sealing solution for flange repair

Come to see us at our booth 1F40 (Hall 1), our team will be pleased to present and explain our technologies and see how we can help you to restore your assets.

Stand No: **2A60** **HALL 2**

## EXXONMOBIL EGYPT SHOWCASES TECHNOLOGY AND ENGAGES YOUTH

**F**or the 7th year, ExxonMobil Egypt is sponsoring EGYPTES conference and participating in the exhibition. Our booth located in Hall 2 is offering an exciting interactive experience for the users to showcase ExxonMobil business in Egypt. We are using creative displays to share with visitors highlights of ExxonMobil technological leadership in exploration and production. They will also find information about ExxonMobil's upstream operations in Egypt with a newly added feature this year that is the augmented reality display giving the user additional information, an innovation in booth experience.



Most importantly, additional educational activities are planned in the Young Professionals YP Programme as the Headline Sponsor. The main objective of the YP Program is to ensure the useful exchange of experience and insights from professionals in the energy field and the next generation of energy leaders, with participating university students. Additionally, ExxonMobil tailored dedicated workshops are delivered by ExxonMobil experts to participating youth aiming to significantly expand their level of knowledge, targeting students in the field of Geosciences and sharing ExxonMobil leading edge expertise in technology and sustainable processes.

The YP Programme also focusing on high school students aims to introduce the energy profession in an interactive dedicated space providing an on-site learning

experience allowing students to learn about the oil and gas industry. A series of short talks by young professionals in the energy field from ExxonMobil and other entities are also included to provide students with insight on this profession, letting them engage and connect with early career professionals.

Looking forward to seeing you at booth number at 2A60 in Hall 2 for an exciting experience!



Stand No: 1E50 HALL 1

## WEG: DEVELOP TECHNOLOGIES AND SOLUTIONS CONTRIBUTING TO A MORE EFFICIENT AND SUSTAINABLE WORLD.

**W**EG is a globally-recognised supplier of premium electric products for the industry including manufacturing state-of-the-art LV & MV electric motors (for both safe areas as well as hazardous areas), variable speed drives, soft starters, control products, transformers, panel ..etc.



WEG solutions extended also to cover renewables and sustainable markets. Our global structure allows us to be closer to our Oil & Gas customers. Over 39 subsidiaries established in key countries are prepared to provide technical and commercial support; our manufacturing plants strategically located in the main markets can serve short deliveries; and our network of over 1,250 Authorised Service Agents.

In EGYPES this year, WEG will show WG20 Gearbox range. The WG20 Gearbox range sets a new standard

in performance and reliability while withstanding frequent starts-per-hour, shocks and vibrations.

WEG will also present the CFW900 variable speed drive (VSD). The CFW900 is designed to be controlled through a human machine interface (HMI). The device is now also equipped with Bluetooth, enabling operators to monitor all parameters remotely through mobile devices.

The CFW900's Ethernet port allows improved data sharing with WEG's Motion Fleet Management (MFM),

a cloud-based digital platform for realtime asset monitoring and operational control. An updated, smaller and enhanced version of MFM will appear at EGYPES.

WEG is a key player in the broader digital and sustainable solutions landscape, focusing on efficiency and sustainability to align with the evolving needs of the petroleum sector.

Also will show the new ADV200-SP solar pump drive, designed for remote areas and off-the-grid applications including driving

centrifugal and submersible pumps. the ADV200-SP converts electrical energy supplied by a photovoltaic (PV) panel into mechanical energy, which is then converted into hydraulic energy by the pump.

"The ADV200-SP works solely on solar power, providing high energy savings and efficiency, meeting the growing demand for renewable energy solutions WEG would like to cordially invite all visitors to our booth, where we would be happy to answer any questions that they might have.

Stand No: 2L58 HALL 2

## CONTROL RISKS, BOOST EFFICIENCY: RADARMETEO'S SEACAST® SOLUTIONS

**A**t the booth #2L58, Radarmeteo, a certified provider of worldwide support services for the energy and oil & gas sectors companies, presents SeaCast®, the suite of professional weather services supporting maritime operations and navigation.



**Radarmeteo**  
Professional weather services

SeaCast® enables the user to take full control of planning, improve process efficiency,

maximise safety across the board and mitigate costs associated with each project. A team of specialists works 24/7 to ensure the highest level of monitoring of met-ocean conditions at all times on a site specific and routing basis, creating tailored solutions for each specific project.

Radarmeteo provides weather service worldwide, but our team has enhanced and long-standing expertise in the peculiar weather conditions experienced in the Suez Canal area, the Northern Red Sea, and the Eastern Mediterranean.



Stand No: 3E10 HALL 1

## A REVOLUTION IN SAFETY FOOTWEAR TECHNOLOGY

**N**FSSP LLC is a factory for Safety Footwear, specialists in High Quality and comfortable Safety and Tactical Shoes. All our product portfolio is designed in Germany also tested on German LAB PFI under the strictest quality certifications and approvals, also we are SATRA member, and we have our own shoe lab to test all our products and customer's request. We have more than 15 years of experience in Oil&Gas and Construction Sector.



For EGYPES 2024 the company will launch the new collection HOODS SAFETY FOOTWEAR

Innovation is key. That is why HOODS Professional Footwear boots and shoes are developed and designed in collaboration with European knowledge partners. Moreover, our footwear is produced in the UAE with technology from DESMA Germany. We work with the best materials and the finest techniques exclusively. We are committed to providing the perfect, ergonomically-fitted footwear for every job. Provided with excellent features and top quality materials.

We have created a new brand with great innovation and added value on each reference to provide the maximum, quality, comfort and safety you require to do your job under the best safety conditions.

Innovative materials like: LEATHER - TECH, AIR FLOW SYSTEM, AIR - TECH combined with other materials as FIBER GLASS and KEVLAR, make our shoes lightweight with high breathability offering you the maximum protection and comfort.

Extreme protection in the most dangerous work circumstances

The oil & gas industry exposes boots to some of the harshest and most corrosive environments Cold, wet and highly flammable, typical conditions for an oil rig worker...and their boots.

HOODS has developed a portfolio of safety boots ideal for Oil & Gas environment, with features including SRC slip resistance, waterproof properties, lightweight and breathable safety boots providing full protection, with maximum Grip, Oils Resistance, Protection & Comfort.

Stand No: **2D20** HALL 2

## EDC, A LEADING DRILLING CONTRACTOR

The Egyptian Drilling Company (EDC) is one of the leading drilling contractors in the Middle East and North Africa (MENA) region since 1976. It is superior in providing quality drilling and workover services, offshore and onshore, to major oil and gas companies, in addition to managing and operating over 70 rigs. EDC has over 45 years of heritage based on safety and operational excellence.

The main driving force and asset behind our strong operations is our employees. We work with 98% Egyptian talents, with around 60,000 man-years of experience ready to serve our clients.

EDC aims to offer first-class drilling services to the industry, as well as provide a safe and healthy workplace for its employees, clients and the communities it operates in; as health, safety and environment (HSE) is an integral part of its culture.

The organisation is certified for ISO 9001, ISO 45001, ISO 14001 and API

Q1. We are also a proud member of the Dropped Objects Prevention Scheme (DROPS), the International Association of Drilling Contractors (IADC), and the International Well Control Forum (IWCF)

EDC owns and operates its own Training Center, which accommodates around 100 students per day and utilises the talents of its internationally accredited instructors for IWCF and IADC. It is also equipped with the latest simulator Ds-5000 allowing students to gain hands-on experience of the different scenarios and challenges they might face

during drilling operations and well control situations.

Furthermore, we have been actively participating in several corporate social responsibility (CSR) activities and continue to support the community through conducting regular campaigns to promote voluntary blood donation. Additionally, we have commenced a development programme for university students in 2018 to bridge the gap between the educational environment and the actual work environment.



EDC keeps a close eye on the market to be updated on its needs and demands by maintaining, developing and upgrading its equipment and systems. Moreover, we work on obtaining new rigs with the latest technologies, not only to upgrade our fleet but to also raise the benchmark of the drilling industry in our markets.

Stand No: **1C40** HALL 1

## EGYTORC: PIONEERING EFFICIENCY AND PERFORMANCE IN HEAVY INDUSTRIES

EGYTORC is one of the most trusted names in heavy industries. From steel mills and mining equipment to refineries, power plants and wind turbines; we have solutions for most bolting & onsite machining applications.



For custom projects, our highly experienced engineering team is on service to design the most efficient solution for different jobs with simple operation and economical pricing in mind.

### EGYTORC has two partners:

1- SFE Group: SFE Group pioneered the portable machining revolution in 1966. For more than 50 years, we have been the innovators and technology leaders in the industry we invented. With over 75 standard products and services, SFE Group offers one-stop shopping for our clients in the oil & gas industry. Our booth will feature various onsite machine tools fit for various applications, pipe Cold cutting, valve testing & pipe welding solutions from our premium Brands CLIMAX, TAG, MAGNATECH, MATHEY DEARMAN, B&B Pipes, CALDER, BORTECH, PPM & FIT UP PRO.

2- Nord-Lock Group: Nord-Lock Group is specialised in Hydraulic Bolt Tensioning Machine; Super bolt was the world's first to revolutionize nuts and bolts with multi-Jack bolt tensioning

(MJT) technology. Super bolt tensioners are easy to work with and provide an overwhelming mechanical advantage with their unique design, which divides the load among multiple small jack bolts. Once installed properly, MJT connections are reliable and can stay tight indefinitely.

Boltight Hydraulic Bolt Tensioners tighten bolts simultaneously to ensure even preload. Using high pressure hydraulics and a predetermined pressure, Boltight hydraulic bolt tensioners axially stretch the bolt. The nut is then rotated down the joint face, accurately locking in the bolt load.

Our Experts will be at the Booth to answer any questions and show demo the products. We look forward to being a part of this great event.



Stand No: **3J50** HALL 3

## ETHYDCO'S CUTTING-EDGE INNOVATIONS TO TAKE CENTER STAGE AT EGYPES 2024

ETHYDCO, a leading polyethylene manufacturer based in Egypt, is thrilled to announce its presence at EGYPES 2024, the prestigious international oil and gas exhibition. As a key exhibitor, ETHYDCO is gearing up to showcase its latest advancements and groundbreaking solutions that are set to revolutionize the industry.



At EGYPES 2024, ETHYDCO will present an impressive range of cutting-edge products and services that cater to the diverse needs of the oil and gas sector. With a steadfast commitment to innovation, ETHYDCO remains at the forefront of developing high-quality polyethylene solutions that meet the industry's evolving demands.

Visitors to the ETHYDCO booth can expect to explore our state-of-the-art polyethylene products, renowned for their exceptional quality, durability, and versatility. Our extensive product portfolio encompasses a wide range of applications, including industrial containers, household, infrastructure, pharmaceutical, agriculture, and advanced packaging solutions. With a focus on sustainability, ETHYDCO's products boast eco-friendly features, contributing to a greener and more sustainable future.

EGYPES 2024 provides an ideal platform for ETHYDCO to showcase its technical expertise and demonstrate the

superior performance of its polyethylene solutions. Our team of experienced professionals will be on hand to engage with visitors, providing comprehensive technical support and sharing valuable insights on product specifications, applications, and industry best practices.

Furthermore, ETHYDCO will highlight its commitment to customer satisfaction through tailored solutions and exceptional service. Building strong, long-lasting partnerships with our clients is a cornerstone of our business philosophy, and we are excited to connect with industry professionals, potential customers, and partners at EGYPES 2024.

As a responsible corporate entity, ETHYDCO is also dedicated to environmental stewardship and corporate social responsibility. Our participation at EGYPES 2024 will include a showcase of our sustainable manufacturing practices, highlighting our efforts to reduce carbon footprint and promote a greener industry.



# dmg events

CONNECTING THE GLOBAL ENERGY COMMUNITY



19 - 21 February 2024  
Cairo, Egypt



23 - 25 April 2024  
Edmonton, Canada



23 - 25 April 2024  
Singapore



7 - 9 May 2024  
Vancouver, Canada



15 - 17 May 2024  
Bangkok, Thailand



15 - 17 May 2024  
Bangkok, Thailand



27 - 29 May 2024  
Lisbon, Portugal



29 - 30 May 2024  
Los Angeles, California



3 - 5 June 2024  
Tokyo, Japan



11 - 13 June 2024  
Calgary, Canada



11 - 13 June 2024  
Calgary, Canada



11 - 13 June 2024  
Calgary, Canada



30 June - 4 July 2024  
Abuja, Nigeria



1 - 3 July 2024  
Milan, Italy



16 - 17 July 2024  
Cairo, Egypt



31 July - 2 August 2024  
Beijing, China



3 - 5 September 2024  
Windhoek, Namibia



9 - 11 September 2024  
Abu Dhabi, UAE



9 - 11 September 2024  
Riyadh, Saudi Arabia



9 - 11 September 2024  
Riyadh, Saudi Arabia



10 - 12 September 2024  
Edmonton, Canada



11 - 12 September 2024  
Dar Es Salaam, Tanzania



17 - 20 September 2024  
Houston, USA



17 - 20 September 2024  
Houston, USA



17 - 20 September 2024  
Houston, USA



24 - 26 September 2024  
Calgary, Canada



24 - 26 September 2024  
Ottawa, Canada



October 2024  
Dar Es Salaam, Tanzania



11 - 14 November 2024  
Abu Dhabi, UAE



11 - 14 November 2024  
Abu Dhabi, UAE



11 - 14 November 2024  
Abu Dhabi, UAE



11 - 14 November 2024  
Abu Dhabi, UAE



11 - 14 November 2024  
Abu Dhabi, UAE



20 - 21 November 2024  
Maputo, Mozambique



2 - 5 December 2024  
Yenagoa Bayelsa, Nigeria



9 - 12 December 2024  
Europe



11 - 14 February 2025  
USA



17 - 19 February 2025  
Cairo, Egypt



11 - 14 January 2026  
Cairo, Egypt



Official Media Partner

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# CHEIRON



## **CHEIRON'S Commitment to SUSTAINABILITY AND ENERGY TRANSITION**

At Cheiron, sustainability isn't just a buzzword; it's a commitment that drives our actions and decisions every day. Through comprehensive policies and plans, we're spearheading a transformation toward a greener and more sustainable future, with tangible actions spanning short, medium, and long-term horizons.

Our Sustainability and Energy Transition Plans are meticulously crafted to address critical issues while aligning with global standards and initiatives. From reducing emission intensity to eliminating routine venting and flaring, we're dedicated to making a measurable impact on the environment.

