



# NEWSLETTER

A PRODUCTION OF MEMBERS NETWORKING MANAGEMENT DEPARTMENT

**Editor:** Anwaar Al Yahyaee (anwaar.alyahyaee@opaloman.org)

**Assistant Editor:** Shooq Al Zaabi (shooq.alzaabi@opaloman.org)

**Supervisor:** Ismail Al Balushi (ismail.albalushi@opaloman.org)

**General Supervisor:** Juma Al Mughairi (juma.almughairi@opaloman.org)

EDITORIAL TEAM RESERVES THE RIGHT TO ADAPT THE TEXTS TO SPECIFY THE COORDINATE FORMAT AND IMPROVE THE QUALITY OF PUBLICATION.



## MESSAGE FROM THE CEO



Dear Valued OPAL Members,

As we progress through another transformative period at the Oman Energy Association (OPAL), I am delighted to reflect on the strides we have made together over the past month.

July has been marked by impactful initiatives and strategic partnerships that reinforce our commitment to advancing Oman's energy sector. One of the noteworthy highlights was our successful collaboration with AL Shawamikh Oil Services SAOC, launching the 'Wellhead Maintenance Technician Training Program' for mechanical engineering graduates on July 1st. Funded by the Ministry of Labour, this one-year program promises direct employment to trainees upon successful completion, paving the way for a skilled workforce in the mechanical engineering field.

Following closely, on July 2nd, we introduced the 'HSE Apprenticeship Program' in partnership with Al Haditha Energy Company. This 18-month training program, aimed at 40 Omani graduates

with diploma and bachelor's degrees, is designed to enhance employment prospects in the HSE sector. The program is delivered by the Institute of Modern Science and Technical Training (IMSATT) and RAY International Group Institute (Ray), ensuring comprehensive training and direct employment post-completion.

On July 3rd, we commenced the 'Data Analyst' training program in collaboration with Hi-Tech Company. This six-month program targets five Omani diploma graduates, providing them with specialized training at the Technical & Administrative Training Institute (TATI) with guaranteed employment opportunities upon successful completion.

Our dedication to road safety was highlighted on July 8th during a collaborative Road Safety campaign at the OQ Raysut Terminal. Partnering with the Oman Oil Marketing Company (oomco), OQ Group, and the Public Authority for Civil Defence & Ambulance, we organized spot checkpoints for fuel tankers to ensure compliance with OPAL Road Safety Standard requirements. This initiative aims to instill a culture of vehicle inspection and road safety within the oil and gas industry.

On July 10th, Falcon Oilfield Service's adoption of the OPAL Himaya HSE Digital platform marked a significant endorsement of our advanced HSE systems. This commitment to technological innovation for enhanced HSE practices was echoed by Masirah Oil Ltd on July 17th, further solidifying our position as a leader in HSE digital solutions.

Our participation in the Gulf Traffic Week activities on July 11th, organized by the Royal Oman Police, showcased our ongoing commitment to road safety. In collaboration with Safety Cooperation Services (SCS) and Global Fleet

Management Systems & Technologies (GFMS), we honored the participants and reinforced our dedication to promoting safe driving practices.

The Emdad Training Program graduation ceremony, held under the auspices of His Excellency Mohsen Al-Hadhrami on July 21st, was a testament to our efforts in empowering Omani youth. With 232 graduates trained in both technical and non-technical specializations across 29 companies, this initiative highlights our commitment to equipping young Omanis with the skills needed for the labor market.

Lastly, on July 21st, we signed an agreement with Smartgen Technologies to develop the OPAL Smart Traffic Management System (OPAL STMS). This system aims to integrate functionalities of OPAL-approved IVMS vendors into a single platform, enhancing our capabilities in monitoring, detection, prediction, and reporting, thereby improving road safety and operational efficiency within the energy sector.

As we continue to build on these achievements, I extend my heartfelt gratitude to all our members and partners for their unwavering support and dedication. Together, we are making significant strides towards a safer, more skilled, and innovative energy sector in Oman.

As we move forward, OPAL remains steadfast in our mission to foster partnerships, drive innovation, and create opportunities that benefit our industry and community. Together, we can continue to make significant strides towards a sustainable and prosperous future for Oman's energy sector.

**Warm regards,**  
**Juma Al Mughairi**  
**GM Planning Internal Support**  
**Oman Energy Association (OPAL)**

DIAMOND SPONSOR



GOLD SPONSOR





الجمعية العمانية للطاقة  
Oman Energy Association

بناءً على قرار مجلس إدارة الجمعية العمانية للطاقة (أوبال)،  
يُسَرُّنا الإعلان عن تعيين

## المهندس محمد الناعبي

رئيساً تنفيذياً للجمعية  
اعتباراً من 14 أغسطس 2024.

Based on the decision of the Board of Directors of the Oman  
Energy Association (OPAL), we are pleased to announce the  
appointment of

## Eng. Mohammed Al-Naabi

as Chief Executive Officer,  
effective from August 14, 2024.



Monday, July 1, 2024, Oman Energy Association (OPAL), in collaboration with AL Shawamikh Oil Services SAOC, organized the official induction of the 'Wellhead Maintenance Technician Training Program' for mechanical engineering graduates, funded by the Ministry of Labour. The program will be delivered by Al Shawamikh Oil Services SAOC for one year. Trainees will be employed directly after successfully completing the requirements of the program.



Wednesday, July 3, 2024, Oman Energy Association (OPAL), in collaboration with Hi-Tech Company, organized the official induction of "Data Analyst" training for employment program funded by the Ministry of Labour. The program aims to enhance employment opportunities for 5 Omani graduates with diploma degrees. The program will be delivered by Technical & Administrative Training Institute (TATI) for a period of 6 months. Trainees will be employed directly after successfully completing the requirements of the program.



Wednesday, July 10, 2024, Oman Energy Association (OPAL) announces that Falcon Oilfield Service has adopted the OPAL Himaya HSE Digital platform. Falcon Oilfield Service subscription represents a significant endorsement of OPAL's advanced HSE systems and underscores their commitment to embracing technological innovations for enhanced HSE practices.



Tuesday, July 2, 2024, Oman Energy Association (OPAL), in collaboration with Al Haditha Energy Company, organized the official induction of "HSE Apprenticeship Program" training for employment program, funded by the Ministry of Labour. The program aims to enhance employment opportunities for 40 Omani graduates with diploma and bachelor's degrees. The program will be delivered by The Institute of Modern Science and Technical Training (IMSATT) and RAY International Group institute (Ray) for a period 18 months. Trainees will be employed directly after successfully completing the requirements of the program.



Monday, July 8, 2024, Oman Energy Association (OPAL), in collaboration with the Oman Oil Marketing Company (oomco), OQ Group, and the Public Authority for Civil Defence & Ambulance, participated in the Road Safety campaign to ensure the roadworthiness of vehicles. The campaign was held at the OQ Raysut Terminal and aimed to provide clear guidelines and practical resources to help assess the roadworthiness of vehicles. During the campaign, OPAL organized spot checkpoints for fuel tankers to ensure their compliance with OPAL Road Safety Standard requirements. This Standard designed to enhance road safety and promote a culture of vehicle inspection among users in the oil and gas industry.



Thursday, July 11, 2024, Oman Energy Association (OPAL) honored the participants in the Gulf Traffic Week activities organized by the Royal Oman Police, represented by the Directorate General of Traffic in Al Dakhiliyah Governorate. OPAL's participation was in cooperation with Safety Cooperation Services (SCS) and Global Fleet Management Systems & Technologies (GFMS).



Wednesday, July 17, 2024, Oman Energy Association (OPAL) announces that Masirah Oil Ltd has adopted the OPAL Himaya HSE Digital platform. Masirah Oil Ltd subscription represents a significant endorsement of OPAL's advanced HSE systems and underscores their commitment to embracing technological innovations for enhanced HSE practices.



Petroleum Development Oman (PDO) celebrated the graduation of trainees who participated in the Emdad Training Program under the auspices of His Excellency Mohsen Al-Hadhrami, Undersecretary of the Ministry of Energy and Minerals. Oman Energy Association (OPAL) supervised the training of 232 graduates in both technical and non-technical specializations across 29 companies. This collaborative effort aims to equip Omani youth with the necessary skills and knowledge to effectively participate in the labor market.



Sunday, 21st July 2024, Oman Energy Association (OPAL) signed an agreement with Smartgen Technologies to develop the OPAL Smart Traffic Management System (OPAL STMS). This agreement aims to integrate the functionalities of OPAL approved IVMS vendors into a single platform. This integration will enhance the capabilities of monitoring, detection, prediction, and reporting, thereby improving overall road safety and operational efficiency within the energy sector.

## OPAL NEW MEMBERS

OPAL WOULD LIKE TO WELCOME YOU TO OUR FAMILY.

We are glad to have you on board as one of our members, and we wish you success and prosperity.

- Enova Facilities and Energy Management Services LLC
- Fahood Falcon Trading
- Desert King LLC
- Duqm Refinery & Petrochemical Industries Company LLC
- Transcontinental Energy Services
- Grand Drilling & Petroleum Services LLC

## DID YOU KNOW? PRODUCTS AND SERVICES

### OPAL STAR (STANDARD FOR TRAINING APPROVAL AND RECOGNITION)



The OPAL STAR was inaugurated in 2017 to drive standardization and quality into the private and public training providers who provide services to the Energy and Minerals sector. OPAL STAR supports the industry's training providers by administering a centralized entity that drives standardization, efficiency, effectiveness, and quality. The OPAL STAR provider standard creates a level playing field for training providers and demonstrates their commitment to superior professionalism, upholding industry standards, and continued learning. The STAR gradings (Gold, Silver & Bronze) encourage continuous improvement amongst the providers and rewards them when they achieve these standards, raising the bar every time. These merits have established a credential that is recognized across the industry and trusted by operators and contractors.

Sohar  
Islamic



صهار  
الإسلامية

# YOUR DREAM CAR AWAITS.

SHARIA COMPLIANT  
FINANCING WITH  
PROFIT RATES  
STARTING FROM **3.35%**



Sohar Islamic is  
offering an exclusive  
auto-financing offer.

You can get a profit rate on your dream car with competitive, Shariah-compliant rates starting from 3.35%. Enjoy quick approvals and hassle-free processing, with financing available for all major brands.

Valid until 30<sup>th</sup> of December, 2024.



Scan for more

[soharislamic.com](https://soharislamic.com)

Terms & conditions apply.

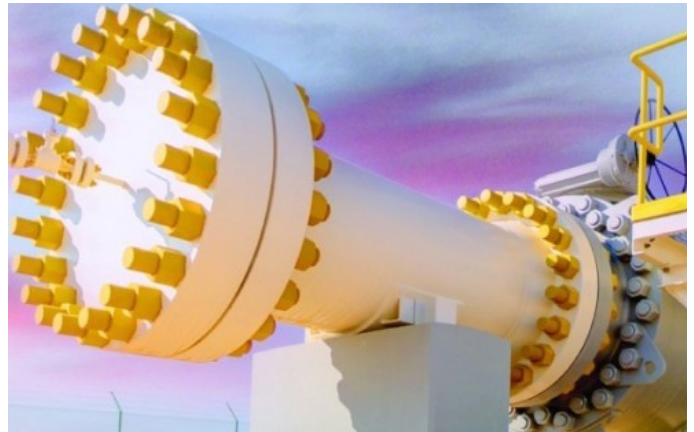
## GALFAR WINS RO35 MILLION CONTRACT

Galfar Engineering and Contracting has received a tender worth RO35 million from Galfar from Nama Dhofar Services Company for the "Expansion of Raysut Water Reclamation Plants-Phase III (Stagel)" project. "The two parties accepted the letter of award on July 25, 2024, while the disclosure was approved on July 29, 2024. The value of this project is RO 35 million, with an execution period of 36 months from the commencement date. This award will further enhance Galfar's Order Book and sustain its market share within the wastewater services sector." the official statement said. Marco Alverà, CEO and Co-Founder of TES, said, "This agreement with OQ Alternative Energy underscores our dedication to advancing the global energy transition and strengthens our commitment and leadership presence in the Middle East. By harnessing the expertise of OQ Alternative Energy, we are enabling the production of green hydrogen at an industrial scale, making e-fuels accessible and cost-effective.



## OQGN ACHIEVES 43% EMISSIONS REDUCTION AND BOOSTS LOCAL ECONOMY IN 2023

Oman's sole gas transmission operator and owner, OQ Gas Networks (OQGN), last year embarked on an ambitious sustainability journey, achieving significant milestones across environmental stewardship, workforce development, local economic engagement, and governance practices. This transformative endeavor underscores OQGN's steadfast commitment to driving positive impacts across environmental, social, and governance (ESG) fronts, setting a benchmark for sustainable practices in the energy sector. In its recently published OQGN 2023 Sustainability Report, one of the standout achievements in OQGN's sustainability efforts is its remarkable reduction in greenhouse gas emissions. Between 2021 and 2023, the company achieved a 43 per cent reduction in overall Scope 1 and 2 emissions. This accomplishment is part of OQGN's broader decarbonisation strategy, which includes a net-zero emissions target and significant flare reduction initiatives. By leveraging innovative technologies like Intalex for incident management and the Process Information (PI) Vision software for operational insights, OQGN demonstrates its



dedication to operational excellence and environmental sustainability. "Our commitment to reducing greenhouse gas emissions and enhancing energy efficiency is unwavering," said Mansoor al Abdali, Chief Executive Officer of OQGN. "In 2023, we made significant progress towards our goal, reducing our overall emissions by nearly 43 per cent and vented gas by 94 per cent since 2021. These efforts are pivotal in our journey towards achieving net zero emissions by 2050."

## OQ8 ACHIEVES MAJOR MILESTONE WITH FIRST CRUDE SHIPMENT

Dum Refinery and Petrochemical Industries Company LLC (OQ8) - a 50:50 partnership of OQ Group of the Sultanate of Oman and Kuwait Petroleum International of Kuwait, has unveiled its Sustainability Report for 2023, marking a transformative year filled with significant milestones and achievements. The report underscores the company's commitment to operational excellence, sustainability, and social responsibility, as it transitions from project completion to an operational powerhouse. David Bird, Chief Executive Officer of OQ8, expressed his excitement about the company's progress and future prospects. "The year 2023 embarked on a very exciting transition from project completion to an operating business, receiving the first crude oil shipments and exporting our first products of naphtha on April 14." The year began with the arrival of the first crude shipment on January 9, and by March 23, the refinery commenced operations. This marked the beginning of a new era for OQ8, with the first export of 9,500 cubic metres of naphtha taking place on April 14. The refinery's laboratory also achieved a notable milestone by becoming the first in the Gulf to receive ISO17025 accreditation before commissioning. OQ8's economic performance in 2023 has been nothing short of remarkable. The refinery, with a processing capacity of 177,000 barrels per day - representing 77% of its total capacity - generated \$1.97 billion in revenue. Operational expenses amounted to \$186.2 million, while sales quantities included 5.851 million barrels of naphtha, 3.190 million barrels of Jet A1, 8.419 million barrels of diesel, 574,000 barrels of LPG, and 916,000 barrels of petcoke. In terms of workforce development, OQ8 has made significant strides



with a 61% nationalisation rate among its 840 employees. The company achieved an impressive safety record, clocking 15.5 million man-hours with zero fatalities. Furthermore, OQ8 invested \$6 million in local suppliers, conducted 585 HSSE sessions, and provided 250,553 HSSE training hours. The company also reported 3,541 GWh volunteering hours and launched 26 initiatives and sponsorship activities, benefiting 65,947 individuals. The company's commitment to gender diversity is evident, with 17% of top management positions held by females. Moreover, OQ8 has demonstrated environmental responsibility by treating 1,689,404 cubic metres of water.



**Eng. Abdullah Said Al-Hinai**  
**Chief Executive Officer**  
**Tabreed Oman SAOC**

**Given the dynamic landscape of Oman's cooling needs, how do you lead your team through periods of change and innovation, particularly in adapting to new technologies and market demands?**

"Oman is a rapidly developing market with a significant demand for environmentally friendly cooling solutions. Air conditioning is crucial in our daily life, especially in the Gulf region and MENA, driven by the scale of new large-scale projects that require substantial cooling and consequently a significant investment in power and energy production to meet these demands. At Tabreed Oman, we have heavily invested in our technical and operational teams to achieve operational excellence. We continuously engage with global suppliers and manufacturers to enhance our cooling plant efficiencies, thereby reducing power consumption. Our extensive knowledge in the cooling industry allows us to implement best practices effectively. We also collaborate closely with major developers and master planners for new developments, sharing our expertise to implement cost-effective, efficient, and environmentally friendly cooling solutions."

**Tabreed Oman prides itself on delivering environmentally friendly cooling solutions. Can you elaborate on the key sustainable innovations the company has implemented?**

"In alignment with His Majesty's directive to achieve carbon neutrality by 2050, Oman must adopt the Sustainable District Cooling System (SDCS), which can save over 50% of electricity demand and eliminate a similar percentage of CO2 emissions. SDCS is a cutting-edge technology used globally, and Tabreed Oman's contribution to reducing power consumption by more than 50% is recognized by government bodies such as the Ministry of Energy & Minerals, the Environment Authority, and the Authority for Public Services Regulation (APSR). Given our business scale, Tabreed Oman has achieved an annual reduction in energy consumption of around 174 million kWh, eliminating over 99,000 metric tons of CO2 emissions. This reduction equates to powering 10,000 homes in Oman annually and removing 21,531 cars from our streets each year."

**How does Tabreed Oman ensure the well-being and safety of its employees, and what initiatives are in place to promote a healthy and productive work environment?**

Tabreed Oman has implemented comprehensive safety programs that include: "Tabreed Oman has implemented comprehensive safety programs that include regular training sessions such as fire drills, first aid, emergency response, Permit to Work (PTW) training, NEBOSH, and IOSH courses. We perform regular safety audits and inspections to identify and mitigate potential hazards, ensuring all employees have access to necessary Personal Protective Equipment (PPE) and are trained in its proper use. We have established a clear and accessible system for reporting accidents, near-misses, and unsafe conditions. Fostering open communication through regular feedback sessions and surveys is essential. We also organize team-building activities and social events to strengthen relationships and build a sense of community, such as staff gathering days and open days. Recognizing and rewarding employees who contribute to workplace safety and health initiatives, and celebrating safety milestones and achievements, are part of our approach.

Additionally, we hold regular meetings of Health and Safety Committees to discuss safety concerns, review incidents, and develop action plans for improvement. We have developed and distributed a comprehensive Health, Safety, and Environment (HSE) handbook outlining all health, safety, and environmental policies and procedures."

**Can you share your personal leadership philosophy and how it has evolved over your career?**

"My leadership philosophy is built on three core principles: integrity, continuous learning, and empowerment. Leading with honesty, transparency, and ethical behaviour is essential. This builds trust and sets a standard for the team. Staying curious and open to new ideas keeps us ahead in a dynamic industry. Embracing innovation and seeking knowledge inspires the team to excel and adapt. Providing resources, training, and autonomy enables the team to take ownership and make decisions, fostering creativity, productivity, and job satisfaction. Over time, my approach has become more inclusive and collaborative. I value diverse perspectives and emotional intelligence, understanding that great ideas come from all team members. This empathetic and inclusive leadership style helps navigate change and ensures the well-being of the team."

**How do you incorporate Tabreed Oman's values of progress, partnership, and performance into your daily leadership practices?**

"Tabreed Oman values focusing on progress, partnership, and performance. We continuously seek innovative solutions and adopt new technologies to improve efficiency and reduce environmental impact. Collaborating closely with developers, suppliers, and government bodies ensures the best outcomes for all stakeholders. We strive for operational excellence and set high standards in all aspects of our business, from safety to environmental sustainability".

**Interviewed by:**  
 Sama Al Zadjali  
 Events & Media Specialist  
 OPAL

# الغالبي العالمية للهندسة والمقاولات ش.م.م

## AL-GHALBI INTERNATIONAL ENGINEERING & CONTRACTING LLC



### Who We are:

Al-Ghalbi International Engineering & Contracting was founded in 1998, by national capacities with extensive management experience that works with a vision to enhance the company's role innational development, the company has more than 780 employees, Omanization reached 46% in the company, and national cadres occupy leadership positions in the administrative, professional, technical, financial and service departments of the company.

The company accomplished many projects during its path in the field of laying and maintaining oil and gas pipelines in various fields and concession areas in the Sultanate of Oman, as well it obtained certificates of excellence in performance, and certificates for doing business without time-consuming from its major strategic clients, such as Oman Petroleum Development Company (PDO), Occidental Oman(OXY), OQ, Daleel Petroleum, ARA Petroleum, and CCED .



### Vision:

Pioneer and First Choice in providing best services and solutions to all Oil & Gas Industry Requirements.



### Mission:

To be the pioneer company in providing best services and solutions to off plot projects, delivery & Flow pipe line integrity and maintenance.

### Location Map

Major operational Areas



### Accreditations / Certificates / Memberships

- ISO 9001:2015 Quality Management System (QMS)
- ISO 14001:2015 Environmental Management System (EMS)
- OHSAS 18001:2007 Occupational Health & Safety Management System
- OPAL Membership
- OPAL Compliance Verification Certificate (CVC)
- OPAL Health Safety & Environment Management System (HSEMS)
- Joint Supplier Registration System (JSRS).



الغالبي العالمية للهندسة والمقاولات ش.م.م  
AL-GHALBI INTERNATIONAL ENGINEERING & CONTRACTING LLC



www.alghalbi.com @alghalbi.com



Scan QR to Visit Website  
alghalbi.com





**Andrew Winnett**

**What specific features of the Himaya platform have had the most significant impact on improving your company's Health, Safety, and Environment (HSE) practices?**

We have recently implemented the Himaya Platform at the AA Group, and while it's still in the early stages, we've

already seen significant improvements in our QHSE Management System and operational safety performance. The platform's ability to centralize data has been transformative, especially with over 3000 employees across multiple sites. Key features such as the Actions Tracking function have replaced various spreadsheets, streamlining our tracking of audits, inspections, incidents, and meetings. The 'Meetings' module is particularly useful, automatically logging actions and providing real-time tracking. The platform's visual and graphical data presentation helps us pinpoint areas for improvement effectively. We're also looking forward to the "Himaya Mobile App", which will enhance audit and inspection processes with mobile access. Upcoming modules like E-Journey Management will further enhance our system. Overall, the Himaya Platform is modernizing our approach, and we are excited to showcase its benefits during our upcoming ISO 9001- 45001 & 14001 audits.

**Would you recommend Himaya to other companies looking to enhance their HSE standards? If so, what advice would you give to those considering its implementation?**

I would definitely recommend Himaya to other companies. My key advice would be to plan the implementation early, ensure that the data imported into the system is accurate and aligns with your organization's needs, and make sure your QHSE team fully understands the system's functions before rolling it out company-wide. This preparation helps in providing the right support and maximizes the platform's effectiveness.

During our use, we've identified areas where the platform could be enhanced to better meet our QHSE performance objectives. However, OPAL has been very responsive to our feedback and supportive throughout the process. Their support team is always available and quick to address any queries.

## BP ACQUIRES 49% STAKE IN OMAN'S HYPORT DUQM GREEN HYDROGEN PROJECT

MUSCAT: Energy major BP is acquiring a 49-per cent stake in Hyport Duqm, a gigawatt- scale green hydrogen and green ammonia project planned for implementation at Duqm in the southeast of the Sultanate of Oman. An announcement to this effect came in BP Group's financial results for the first half of 2024, published on Tuesday, July 30, 2024. Importantly, BP is also assuming operatorship of the project, which is on track to rank among the first crop of large-scale green molecule projects globally that are slated to be operational before 2030. "On June 13, BP signed an agreement with OQ and Dredging, Environmental and Marine Engineering NV (DEME) to acquire a 49-per cent stake and operatorship in the Hyport green hydrogen project in Duqm, Oman, subject to regulatory approvals, which could produce around 57,000 tonnes per annum of green hydrogen," the energy giant stated in its financial report.

OQ is the integrated energy group of Oman, wholly owned by Oman Investment Authority (OIA). Its Alternative Energy arm (OQ AE) is a pivotal player in Oman's green hydrogen industry, with interests in a number of the giga-scale green molecule schemes currently in the early stages of development in Oman. Hyport Duqm was among the first to sign agreements with Omani authorities aimed at establishing an export-oriented renewable hydrogen scheme in Duqm. Spearheading the project from the outset were the partnership of Belgian-based DEME Concessions and OQAE. Hyport Duqm is being developed on an area of 150 km<sup>2</sup> within the Special Economic Zone at Duqm. The production of green hydrogen to green

## MEMBER NEWS



ammonia will be powered by both wind and solar energy, with a combined capacity of around 1.3 GW under Phase 1 and potentially more than 2.7 GW on completion of Phase 2. The first phase of the project, which is part of Oman's ambitious green energy targets (Vision 2040), is set to produce approximately 330,000 tonnes of green ammonia. The Project Development Agreement (PDA) signed with Hydrom, the orchestrator of Oman's green hydrogen industry, grants Hyport Duqm a 47-year licence to develop and operate the project. Hyport Dum is among eight green hydrogen projects that have signed firm agreements with Oman's authorities to date with a goal to achieve an annual production capacity of around 1.38 million tonnes of renewable hydrogen by 2030. Total investments in the projects are estimated at \$48 billion. In June last year, BP had signed a separate project development and land use agreement with Hydrom for a potential 150,000 tonnes a year green hydrogen project near Duqm. "The project is currently in the concept development stage, and we continue to progress our data collection campaign using LiDARs (light detection and ranging devices), solar stations and met masts," said BP Oman in its 2023 Socioeconomic Review published earlier this year.

# NEW TECHNOLOGY

## COMING TO OMAN TO INCREASE THE COUNTRY OIL PRODUCTION.

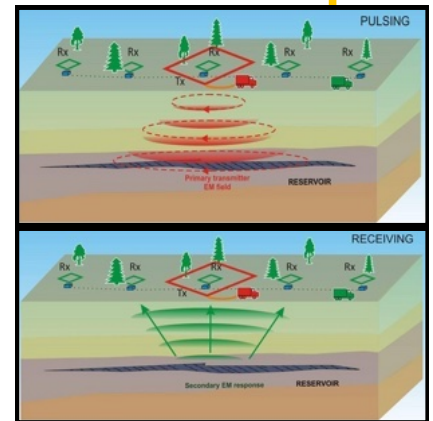
Following the success of Compass-Invigour's New Technology Open Day featured in the OPAL June Newsletter, and that some oil companies in Oman are already interested to implement our latest technology as the initial work with them are in progress, we are thrilled to highlight the cutting-edge technologies showcased, including Transient Electromagnetic (TEM) Services, Sand Management and Artificial Lift Services. These innovations are poised to revolutionize oil and gas operations in Oman. Our advanced TEM techniques deliver detailed subsurface analysis, significantly reducing exploration risks and enhancing drilling success rates. Our sand management services are designed to optimize production and extend asset life by mitigating the impacts of sand production. Furthermore, our Artificial Lift Services offer tailored pumping solutions and comprehensive engineering for the global oil and water industries. Explore how our solutions can elevate your operational efficiency and reliability.

### TRANSIENT ELECTROMAGNETIC (TEM) SERVICES

Our primary working principle for TEM is based on the relationship between resistivity and fluid type changes in reservoirs. TEM surveys have a wide depth range, from 50m to 7000m, and are available for both land and marine environments.

#### Time Domain Transient Electromagnetic (TEM)

- Electromagnetic field propagates inductively allowing to explore the subsurface in the presence of high-resistive layers
- Wide range of survey depth (from tens of meters up to 4-7 km)
- Advantages:
  - Integration of seismic and TEM can significantly reduce exploration risks.
  - Reduce uncertainty and Well Placement Risk
  - Constraining Reservoir Location & Fluid Type
  - improves reservoir understanding and increases drilling success rate by comprehensive analysis of the subsurface.



TEM FIELD DATA ACQUISITION

### SAND MANAGEMENT SERVICES

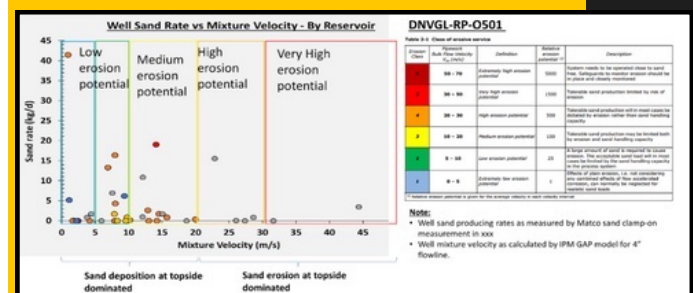
We provide integrated sand management services to help oil and gas operator companies optimise production and maximise the life cycle value of company assets. Sand production is costly to oil and gas companies, and it is increasingly becoming a bigger problem that mature sandstone reservoir assets face. Integrated sand management can minimise business costs, improve production and minimise risk to asset integrity.

#### SERVICES PROVIDED

- Topside Sand Monitoring
- Sand Deposition Assessment (Acoustic Sand Monitoring)
- Sand Prediction Study
- Sand Erosion Assessment
- Sand Deposition Assessment
- Sand Control Well Completion Design
- Remedial Sand Control

#### ACOUSTIC SAND MONITORING

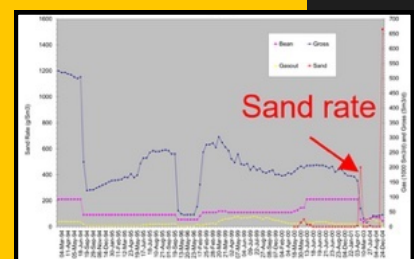
Our acoustic sand monitoring service is non-intrusive, minimizing risks while optimizing production. It helps establish sand production trends and determine sand-free rates using reliable, portable equipment. This service can quickly identify sand rates across multiple flowing wells, providing valuable insights for effective sand management.



SAND PRODUCTION RISK ASSESSMENT



SAND ACOUSTIC METER



SAND MONITORING

### ARTIFICIAL LIFT SERVICES

We provide a wide range of pumping solutions for the global oil production and water industries. Our offerings include electric submersible and surface pumps, variable speed drives and controls, and system integration solutions. We specialize in delivering comprehensive engineering solutions that go beyond product sales. Our focus is on providing tailored engineering solutions to meet the specific needs of our customers.

#### PRODUCT AND SERVICES OFFERINGS

- Electrical submersible pump (ESP)
- Horizontal surface pumping system (HSPS)
- Thru tubing electrical submersible pump (TTESP)
- Can Installed Pumping System (CIPS)
- Uzma Rodless Pump (URP)
- Produce water re-injection (PWRI)
- uzmaBOOST



ELECTRICAL SUBMERSIBLE PUMP (ESP)

**Stay Connected**

For more information or any inquiries, please contact:

**SETO BRAMONO**  
Senior Manager (Oman)  
Phone: +968 95176411  
Email: s.bramono@invigour-energy.com



**THE UNSEEN  
FORCE  
WITHIN REACH**

## PDO TRIALS USE OF NANOSPHERES TO UNLOCK DIFFICULT OIL

Petroleum Development Oman (PDO), the country's biggest oil and gas producer, is preparing to trial the use of nanospheres - microscopically small particles - to unlock difficult oil from its Yibal assets during the current quarter. The landmark initiative is an example of novel technologies being leveraged by the majority state-owned energy company to support its operations across critical areas, including Enhanced Oil Recovery (EOR), well construction and production management, artificial lifting, and Produced Water and Energy Management. Nanospheres are nano-scale (one billionth -  $10^{-9}$ ) particles made from polyacrylamide (PAM), a class of long-chain synthetic and water-soluble polymers. In industries, polyacrylamide is used in water management or wastewater treatment because of its ability to encourage the coagulation of particles present in water. In oil and gas industries, the polymer is seen as promising in its ability to contribute to reducing the water cut, increasing sweep efficiency and improving oil recovery. Effective deployment of the technology can result in significant output and commercial benefits, according to PDO. "A potential improvement on the unit operating cost if US\$2- 3 per barrel is expected through the implementation of the technology in water-flooded carbonate reservoirs. The technology will further improve the commerciality of growth volumes by up to six million cubic metres of oil from the water-flood carbonate portfolio in our northern fields," the company stated in its 2023 Sustainability Report. PDO hopes to unlock around 25 million barrels of oil upon the commencement of the field trial at Yibal in Q3 2024. The company's EOR team is also assessing possible nanosphere-based chemical EOR projects in Qarn Alam, starting with a pilot in 2025. A sizable number of novel technologies currently being tested at PDO pertain to the goal of sustaining EOR-based production. EOR is pivotal to sustaining the company's oil and gas production due to its maturing asset base and the challenging nature of Oman's geology. EOR is anticipated to account for a significant 28% of PO's total oil production in 2031, up from 12% in 2020. The company currently operates a range of commercial-scale EOR schemes, including chemical EOR, miscible gas injection (MG) and thermal applica-



tions. "In the last five to 10 years, various OR technologies have been further developed and several EOR projects and trials have been successfully conducted," said DO in its report. "This has generated valuable information from a field testing and performance perspective, including operational learnings. It has also allowed for a much wider window of application and contributed to our aspirational target of exceeding our 700,000 bpd production plateau aspiration," it added. PDO achieved a combined oil, gas and condensate production of 1.1 million barrels of oil equivalent per day (boepd) in 2023, generating in excess of \$22 billion in revenue for the country. Crude oil production averaged 657,599 barrels per day (bpd) in 2023. Condensate output averaged 97,426 bpd, while gas production was 58.26 million m<sup>3</sup>/d, consistent with lower customer demand.

## OMAN LNG CONTRACTS RESTRUCTURED IN KEEPING WITH ENERGY TRANSITION TRENDS: AL AUFI

The transition to clean and renewable energy is one of the main factors behind Oman's restructuring of Liquefied Natural Gas (LNG) contracts, according to Oman's Minister of Energy and Minerals, Eng Salim al Aufi. Speaking to a local Arabic news portal recently, Al Aufi shared that the Sultanate of Oman has switched from long-term contracts usually lasting 15 to 20 years to shorter-term contracts. "Many countries are transitioning to renewable and clean energy, and this technology is advancing rapidly. They do not want to commit to long-term liquefied gas purchase contracts only to find halfway through that they need to exit the contracts. This could be due to moving to different energy [sources], such as hydrogen or renewable energy. So, buyers try to reduce the commitment period," he shared. According to Al Aufi, Oman LG's contracts are for 10 years, while Qalhat LNG contracts are for 5-year terms. He also revealed that the previous contracts have been dissolved in favour of these shorter agreements. "These are new agreements from scratch, and we negotiated all the details. We took all the observations and lessons learned from the old contracts. The current situation is different since the company has recovered most of its capital costs, giving



the government the ability to compete better compared to a new plant where the capital costs are still high. This allowed us to maximise the added value to the country from selling gas," he stated. Term-sheet agreements signed recently by Oman LNG commit up to 10.4 million tonnes of its capacity annually, Hamed al Naamany, CEO - Oman LNG, had affirmed in media statements. He also revealed that the company's spot market deals yielded over \$1 billion in additional revenues to the company in 2023.



**Ryboa Haima Trading Co.** is a 100% Omani owned LCC group of companies since 1992. The company has grown dramatically since its inception and is currently rated one of the leading Omani contractors in the Sultanate of Oman.

**Ryboa Haima** offers engineering support, Rig moving, logistics services, heavy equipment leasing and water management services.



**Ryboa Haima** operates across the country with long term contracts in: Marmul, Rima, Mukhaizna, Bahja, Duqm, and Safah with highest consideration to HSE standards.

**Ryboa Haima** has obtained many international accreditation to adhere to high industry standards of Health, Safety, Environment and Quality.

**Ryboa Haima** has achieved the OPAL Best practice awards in the last two years environmental sustainability and innovation.



50+

Happy Clients



1000+

Active Expert staffs



500+

Our Vehicles



# Collaborating with Omani Experts for Prosperity with OPAL and Dawam

[learn more](#)

Attract and retain top Omani experts with The Expertise Platform. Our innovative marketplace connects local experts with businesses, unlocking limitless opportunities for growth and development. Join us in building a sustainable workforce and driving prosperity in Oman. Brought to you by OPAL and Dawam, The Expertise Platform connects local experts to a world of possibilities.

## Why Choose The Expert Platform?

Specialized Skills

Diverse Experts Ecosystem

Seamless Online Payment

Flexible Engagement

Competitive Rates

## OMAN EXPLORES POTENTIAL FOR BIOGENIC CO2-BASED CCUS

Five leading Omani public sector organisations have come together to explore opportunities for Carbon Capture, Utilisation and Storage (CUS) with a specific focus on biogenic CO2 - a climate-friendly carbon source originating from biomass decomposition, digestion or combustion. Taking part in this first-ever biogenic CO2 based CUS initiative are Oman Environmental Services Holding Co (be'ah) which manages the country's municipal and solid waste sector; Nama and Nama Dhofar Services - both members of state-owned power and water services group Nama; Marafiq - the integrated utility services provider at Dugm SEZ; and OQ Alternative Energy - part of OQ Group. Announcing the partnership, be'ah said: "A collaborative effort between be'ah, Nama, Nama Dhofar Services, Marafiq, and OQ Alternative Energy has been initiated to conduct a comprehensive joint study. This study aims to quantify and assess the sources of biogenic CO2 and explore opportunities for its potential capture, storage, and utilization." be'ah - part of Oman Investment Authority - stated in its 2023 Sustainability Report. CCUS - a multibillion dollar climate tech industry - is gaining traction in Oman as part of the country's wider Net Zero strategy. A number of energy companies have already unveiled initiatives aimed at capturing climate-warming CO2, and sequestering the emissions in underground geological formations, such as depleted oil and gas reservoirs or deep saline aquifers. The more enterprising among them plan to utilize the captured CO2 as feedstock in the production of low-carbon fuels, chemicals and other commodities. Furthermore, its potential use in Enhanced Oil Recovery (EOR) and mineralization



- applications that help permanently trap or convert the CO2 into stable carbonates - are being explored as well. In all of these instances, the sources of the CO2 are industries, power plants, oil and gas fields, and other such activities where the CO2 emissions stem from the combustion of fossil fuels. Biogenic CO2 emissions, on the other hand, relate to the natural carbon cycle, as well as those resulting from the combustion, harvest, combustion, digestion, fermentation, decomposition, or processing of biologically based materials. Examples of biogenic CO2 include emissions from the combustion of biogas collected from biological decomposition of waste in landfills, wastewater treatment, or compost management processes, combustion of green municipal waste, or combustion of biological material, including forest-derived and agriculture-derived feedstocks. be'ah, along with Nama Water Services and Nama Dhofar Services, currently manage significant volumes of biowaste (solids and liquids) associated with biogenic CO2 emissions. Efforts to capturing CO2 emissions - whether linked to fossil fuel based activities of biological combustion - offer a promising pathway to climate change mitigation, say experts. In the Sultanate of Oman, energy companies and other sector stakeholders currently exploring the adoption of CCS as part of their energy transition strategies include Petroleum Development Oman, Oman Shell, Occidental of Oman, OQ Gas Networks, and OQ Alternative Energies, among others.

## MEMBER NEWS

### BE'AH, OQ TRADING COLLABORATE TO CAPTURE LANDFILL GAS IN OMAN

Oman Environmental Services Holding Company (be'ah), the state-owned entity overseeing the management of municipal and solid waste in the Sultanate of Oman, says it is partnering with OQ Trading, the marketing arm of Omani energy group OQ, in enabling the capture and utilization of emissions from landfills across the country. Landfill gas (LFG) is primarily composed of methane - a potent greenhouse gas (GHG) response for global warming and climate change. Through its partnership with OQ Trading, be'ah says it aims to harness these emissions for potential use as a fuel source or in the production of biogenic CO2 - a key resource in the production of low-carbon fuels and chemicals. "By capturing this methane instead of allowing it to escape into the atmosphere, be'ah can significantly reduce its carbon footprint and contribute to climate change mitigation efforts. Additionally, by capturing and utilizing landfill gas (LFG), we can potentially earn carbon credits or renewable energy certificates, which can be sold or traded," be'ah part of Oman Investment Authority (OIA) - stated in its 2023 Sustainability Report. OQ Trading, as part of its role in the partnership, will advise be'ah on initiatives with the potential for earning carbon credits. In addition, OQ Trading will provide throughout the project development, certification, verification, and sale of carbon credits in eligible markets. Underscoring the potential for landfill gas capture in Oman, be'ah is already trapping emissions from the Barka and Al Multaqa landfills with the goal of capturing enough data to support applications for obtaining carbon credits against these sites. "The process involves registering landfill cells, submitting



data, and undergoing third-party verification and validation. This annual verification ensures accurate gas capture measurement and credit allocation. The closed cells in Barka and Al Multaqa are already in the monitoring and reporting phase, adhering to the standards mandated by verifying entities," be'ah explained in its Sustainability Report. Going forward, however, be'ah plans to register other landfill cells located across the country for carbon credits. Additionally, it aims to explore opportunities to utilize the captured gas, notably by converting it into biogenic CO2 or offering it for injection into the national gas network. According to FAO experts, biogenic CO2 - or bio-CO2 - is a climate-friendly carbon source originating from biomass decomposition, digestion or combustion, holds immense potential for enhancing the circularity and climate benefits of biogas. It is a valuable feedstock for producing fuels, chemicals and materials, a process known as bio-carbon capture, utilization and storage (bio-CCUS). As for project opportunities linked to the utilization of landfill gas, they will inevitably require significant capital and operating expenditures, "necessitating further studies and collaboration with key stakeholders", added be'ah. According to studies by be'ah, around 90 per cent of the agency's greenhouse gas emissions stem from methane emanating from its landfills and other solid waste disposal sites. The next major source of GHG emissions is mobile combustion, with the sizable municipal waste collection fleet responsible for 95 per cent of these emissions.

# Empower Change: Join OPAL CSR Revolution

Connecting Purpose with Impact



## OUR VISION

We envision a future where businesses play a pivotal role in addressing social and environmental challenges. Together, we can build a world that thrives on compassion, inclusivity, and sustainability.



## OUR MISSION

Explore a seamless CSR Platform with OPAL. Showcase, monitor, and report your company's commitment to societal and environmental well-being. Together, we foster meaningful contributions and transparency for a better world.

## OPAL Alignment Projects

### Our CSR Principles



#### Value Creation

CSR activities should generate tangible social and environmental value.



#### Sustainability & Transparency

Our practices uphold key principles of sustainability and transparency.



#### Ethical Business

We adhere to ethical business practices, enhancing awareness and brand value through publicizing CSR activities.

SCAN  
ME! >>>







الجمعية العمانية للطاقة  
Oman Energy Association



# Himaya Digital HSE Platform

Discover the transformative power of the "**Himaya**" Digital HSE Platform, expertly crafted by the **Oman Energy Association (OPAL)**.



Incident Investigation



Audit Management



Statistics & KPI



Inspection Management



Behaviour Based Safety



Training Compliance Tracking



Meetings/Events Management



Action Tracking & Management



To Know more, please scan the QR Code:



# OMAN'S GREEN DESALINATION SUCCESS STORY FUELS REGIONAL ADOPTION

In a part of the world where water is incredibly scarce, Oman is making significant progress in meeting its water needs through advanced desalination technologies. Erwan Rouxel, CEO of Veolia Oman, recently discussed these efforts and the broader impact of desalination in the Middle East on the "Let's Turn the Tide" podcast hosted by Nadine Zidani. Water scarcity is a pressing issue affecting half of the world's population, with the Middle East being home to over ten of the 25 most water-stressed countries globally. The rapid economic and urban growth in the region has exacerbated the gap between water supply and demand. Coupled with the effects of climate change, the need for sustainable watersolutions has never been more critical. Desalination, the process of converting seawater into potable water, has emerged as a vital technology to meet the growing water demands in the Middle East. According to Rouxel, nearly 90% of the region's drinking water is sourced from desalination, underscoring its importance. The desalination process involves four main steps: intake pumping, pre-filtration, reverse osmosis, and remineralisation. In the reverse osmosis stage, seawater is pushed through membranes at high pressure, separating salt from water. The pure water is then remineralised and disinfected, making it suitable for consumption. Veolia is a key player in Oman's water desalination sector, operating three major plants in Barka, Sur, and Salalah. These facilities collectively produce enough drinking water to meet the needs of around one-third of Oman's population daily. This significant contribution highlights Veolia's critical role in the country's water infrastructure. Rouxel emphasised the responsibility that comes with this role, stating, "It's a huge responsibility for Veolia. We are in a strategic sector, and it's for us a very important footprint that we are trying to make as efficient as possible." Veolia continues to expand its footprint in the region with innovative projects. Recently, the company secured a contract to build the second-largest desalination plant in the world in the UAE, which will also be the largest powered by solar energy. This project exemplifies Veolia's commitment to integrating renewable energy into desalination processes, making them more sustainable. In Oman, Veolia has already set a precedent with the Sur desalination plant, the first of its kind to be powered entirely by solar panels during daylight hours. This landmark project, inaugurated last year, underscores the



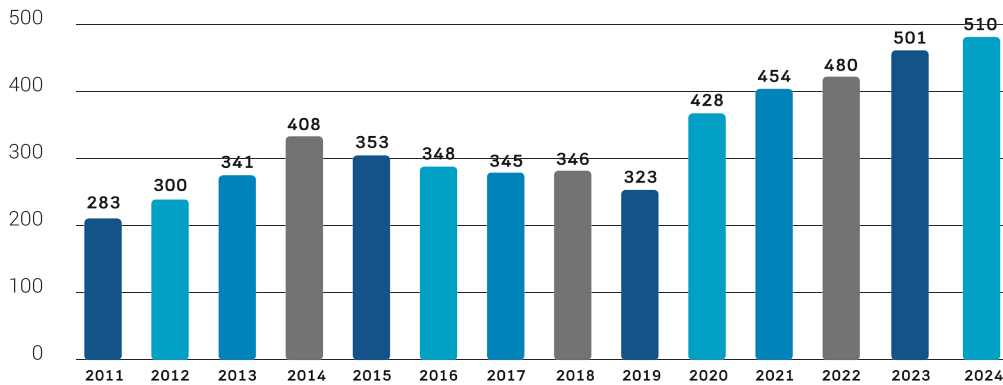
company's dedication to green desalination. While desalination offers numerous advantages, it is not without its challenges. Critics often point to the high energy consumption required by desalination plants and the potential environmental impact of brine discharge on marine life. However, Rouxel highlighted the progress made in reducing energy consumption, noting that average energy usage has decreased by almost 30% in the past decade. Additionally, Veolia takes the environmental impact of brine discharge seriously. In Oman, the company has engaged consultancy firms to monitor and mitigate any adverse effects on marine life, ensuring that their operations remain environmentally responsible. Veolia's efforts in Oman and the broader Middle East illustrate the critical role of desalination in addressing water scarcity in one of the world's most water-stressed regions. By continuously innovating and integrating sustainable practices, Veolia is not only meeting the growing water demands but also paving the way for a more sustainable future. As Rouxel aptly put it, "Veolia has a big responsibility in this country. We are in a strategic sector, and it's for us a very important footprint that we are trying to make as efficient as possible." With such commitment, Veolia is indeed turning the tide in the battle against water scarcity in Oman and beyond.

# OMAN OIL PRICE REACHES \$82.33

The official price of Omani oil yesterday for next September delivery reached \$82.33. The price of Oman oil witnessed a decrease of \$2.6 compared to last Friday's price of \$84.39. The monthly average price of Omani crude oil for delivery this July amounted to \$83.89 per barrel, down \$5.41 compared to the price for delivery last June. Meanwhile, international oil prices fell on Monday after Joe Biden announced he would not seek a second term as US president, while investors considered the possibility of US interest rate cuts, potentially as soon as September. Brent crude futures fell 68 cents, or 0.82%, to \$81.89 a barrel by 1327 GMT. US West Texas Intermediate crude futures were down 69 cents at \$77.86. Brent has remained relatively steady in the past month, hovering between \$82 and \$88 a barrel. The US Federal Reserve is due to review policy next on July 30-31, when investors expect it to maintain rates, though there have been signs of a possible cut in September. Agencies

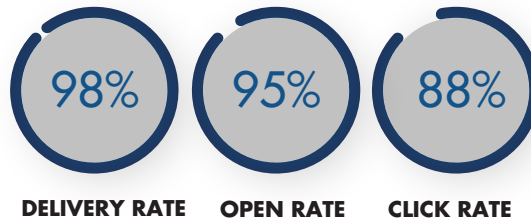


# Did You Know?



OPAL is serving currently almost 500 member companies. These companies represent tens of thousands of employees across Oman's sector, thus making OPAL the Sultanate's premier Energy & Minerals association that offers unparalleled access to the industry expertise, collaborative outreach strategies, and professional networking.

## OPAL Emailer



**25** Minimum E-mails monthly  
sent to over **3,000** e-mails addresses of business executives

Harness the true potential of email with OPAL emailer services.

## OPAL Social Media



**79,160K**  
Real and active followers



**8,702**  
followers



**5K**  
followers

Our Network is Constantly Growing

**ADVERTISE WITH US!**  
Click or scan the code to know more.



[opal@opaloman.org](mailto:opal@opaloman.org)



OPAL OMAN



opalsocietyoman



opal\_oman



OPALSocietyOman



opal@opaloman.org



+968 24605700