

GERAB

BULLETIN

Vol: 4



- Editorial:** Gerab National Enterprises is headquartered in the UAE with offices across the Middle East and beyond. For over four-decades Gerab is serving the Oil, Gas, Petrochemical, Energy, Water, Process, and Other Civil Construction industries, supplying piping solutions. During the years, Gerab forged strong relationship with manufacturers world-wide, built in-house storage and logistics capabilities, and developed a strong technical team to serve clients in over 60 countries. Gerab offers value-added services such as valve automation and repair services; colour coding, tagging, and engraving services for material identification for projects; storage, sorting, and marshalling services; cutting, machining, and welding, and so on, which distinguishes Gerab from most other vendors. Gerab maintains a significant inventory of well-preserved piping components in stock and follows the quality assurance standards as determined by ISO 9001:2008. The Gerab Bulletin is issued for our stakeholders to update them about events in the Middle East. The Bulletin focuses on metals, oil, gas, petrochemical, energy, and water projects. We hope that you will find the content useful. We would definitely like to hear from you.

COMMODITY UPDATES

- Oil prices slid on Monday (28.03.2022) as a coronavirus lockdown in Shanghai hit economic activity. China's financial hub of 26 million people told all firms to suspend manufacturing or have people work remotely in a two-stage lockdown over nine days. Brent skid \$3.39 to \$117.26, while U.S. crude fell \$3.41 to \$110.49.
- Nickel prices dropped significantly over the week and was down by 33% WTD but is still trading higher by 134% YTD.
- Natural Gas prices went up by 12% over the week and is trading higher by 81% than a year ago.

COMMODITY	UOM	Latest Price	WTD %	MTD %	3MTD %	6MTD %	YTD %
Chromium	USD/MT	11,211.65	2.74	9.48	4.49	14.64	52.67
Coal	USD/MT	405.17	-8.71	55.75	123.38	99.50	323.26
Cobalt	USD/MT	81,622.48	1.88	7.23	13.69	54.21	55.57
Copper	USD/MT	10,169.93	3.68	2.86	6.75	8.84	12.79
Crude Oil	USD/BBL	110.43	17.29	18.29	49.92	51.18	72.02
Crude Oil Brent	USD/BBL	112.19	15.99	18.70	49.44	50.21	70.36
Crude Oil WTI	USD/BBL	108.66	-0.03	17.87	51.35	52.57	73.77
Iron Ore	USD/MT	151.32	-0.29	4.86	36.41	18.38	-10.43
Molybdenum	USD/MT	42,177.24	0.36	0.64	2.91	-3.15	58.57
Natural Gas	USD/MCF	4.93	11.70	4.55	23.23	-5.51	81.13
Nickel	USD/MT	38,616.67	-32.52	64.26	94.44	99.99	133.56
Steel HRC (FOB China)	USD/MT	864.11	-0.18	8.37	12.72	-5.17	21.02

Steel HRC (N. America)	USD/MT	1,236.79	3.95	-2.71	-31.00	-42.29	-12.26
Steel Rebar	USD/MT	859.16	2.20	2.71	10.72	-10.00	8.42
Steel Scrap	USD/MT	635.70	1.56	25.68	40.03	41.17	36.78

Source: Investing.com / Trading Economics / London Metal Exchange / MarketIndex.com.au / OilPrice.com

CRUDE OIL STOCK							
Region	Unit	Latest Count	WTD %	MTD %	3MTD %	6MTD %	YTD %
US Stocks of Crude Oil & Petroleum Products	Thousand Barrels	17,08,138.00	-0.63	-1.56	-4.49	-7.75	-11.41

Source: US Energy Information Authority

CURRENCY EXCHANGE RATE									
Code	Description	Country	Units	Latest Exchange Rates	WTD%	MTD%	3MTD%	6MTD%	YTD%
EURUSD	1 EUR to USD	Euro Area	USD	1.0985	-0.99	-1.84	-2.94	-6.27	-7.00
USDCNY	1 USD to CNY	China	CNY	6.3875	-0.38	-1.10	-0.24	1.17	2.17

Source- Trading Economics

Source- Trading Economics / Wall Street Journal / CNBC

STOCK PRICES							
Name	Latest Value	Units	WTD%	MTD%	3MTD%	6MTD%	YTD%
ArcelorMittal SA	33.42	USD	4.47	9.25	4.18	10.52	27.56
Glencore PLC	509.50	GBP	7.24	20.66	36.60	54.16	83.17
NYSE American Steel Index	1,973.42	Index	4.91	19.22	26.51	26.97	35.04
Rio Tinto PLC	5,813.00	GBP	3.90	6.33	19.45	20.34	7.21
Tenaris SA	30.63	USD	9.86	15.24	48.11	51.93	38.66
Tubacex SA	1.91	EUR	12.35	17.90	21.66	29.40	10.28

INTERNATIONAL RIG COUNTS

- Rig counts in Africa region dropped by 6% MTD and the same in Europe dropped by 9% MTD.

ACTIVE RIG COUNTS BY REGION						
Region	Latest Count	WTD %	MTD %	3MTD %	6MTD %	YTD %
United Arab Emirates	34	*	-10.53	-20.93	-8.11	-22.73
GCC	187	*	-1.58	2.19	6.86	-3.11
Middle East	287	*	-0.69	3.99	9.96	10.38
Africa	75	*	-6.25	-3.85	10.29	44.23
Asia-Pacific	179	*	-2.72	-1.10	-2.19	18.54
Europe	94	*	-8.74	-4.08	-1.05	10.59
Latin America	152	*	-3.18	-1.30	10.95	21.60
North America	837	-3.57	-4.01	23.82	22.91	68.41
Total	1,624	*	-3.62	11.00	13.96	38.80

PROJECTS

UAE

- ADNOC - North West Development: Dalma Field**
ADNOC is planning to undertake the development of the oil and gas Northwest project, Dalma field in Abu Dhabi, UAE. It includes onshore and offshore packages. It plans to build oil lines, but the priority will be to install the gas line first. The planned capacity for the development is 300 million cf/d. The project includes 1. Construction of inlet facilities with a gas processing unit,2. Construction of gas compression units,3. Construction of gas storage tanks,4. Installation of power generation units,5. Construction of gas dehydration unit,6. Installation of a supplementary propane refrigeration unit,7. Construction of utilities and associated infrastructure,8. Construction of associated facilities Award Date November 2021.-**2 March 2022**
- RobtStone awarded \$227m Contract from ADNOC**
Abu Dhabi National Oil Company (ADNOC) announced in a statement that it has awarded a contract for enhanced oil recovery (EOR) that will see first-of-its-kind technology deployed at Abu Dhabi's giant Bab field. The construction contract, awarded to RobtStone (ME) LLC. The value of the Contract is \$227 million (AED834 million). Designed by ADNOC, the technology will use advanced polymers and CO2 captured from our Carbon Capture Utilization and Storage (CCUS) facility, Al Reyadah, to boost recoverable reserves up to 70% while unlocking additional barrels of Murban crude. The project marks another step towards boosting oil production capacity to 5 million barrels per day by 2030. - **7th March 2022**
- EWEC issues RFP for Shuweihat S4 Independent Water Project**
EWEC issues RFP for Shuweihat S4 Independent Water Project EWEC (Emirates Water and Electricity Company) UAE, announced that it has issued the Request for Proposals (RFP) to qualified companies and consortiums that had expressed interest in developing the new Shuweihat S4 Reverse Osmosis (RO) Independent Water Project (IWP). The Shuweihat S4 project will desalinate seawater using RO, a low carbon-intensity technology, to supply up to 318,225 cubic metres per day of potable water, improving the security of water supply predominantly in the Al Dhafra region of the Emirate of Abu Dhabi. In addition, the plant will play a key role in ongoing cost reduction initiatives in the sector using competitive and efficient RO water desalination technology, in line with EWEC's wider strategic initiative of decoupling Abu Dhabi's power and water generation capacity. Othman. The Shuweihat S4 RO project will be located adjacent to the existing Shuweihat S3 IPP Project, within the Shuweihat power and water complex, which is approximately 250km west of the city of Abu Dhab - **3rd March 2022**
- ADNOC Awards \$1.94bn Framework Agreements to Boost Drilling Activity**
Abu Dhabi National Oil Company (ADNOC) announced, framework agreement awards valued at \$1.94 billion (AED 7.1 billion) to enable drilling growth. The awards build on ADNOC's recent record investments in drilling-related equipment and services and support its strategy to boost crude oil production capacity to 5 million barrels per day (mmbpd) by 2030 and drive gas self-sufficiency for the United Arab Emirates (UAE). The framework agreement awards cover ADNOC's onshore and offshore fields and will run for five years with an option for a further two years. Furthermore, skilled employment opportunities will be created for UAE Nationals by the successful companies who will also work to identify local manufacturing opportunities.- **8th March 2022**
- ADNOC, Proman partner for 1.8 million tonnes methanol facility**
The proposed partnership will capitalize upon ADNOC's attractive value proposition for downstream petrochemicals. ADNOC, Abu Dhabi National Oil Company signed an agreement with Proman, world's leading producers of methanol, to develop the UAE's first world-scale methanol production

facility at the TA'ZIZ Industrial Chemicals Zone in Ruwais Under the terms of the agreement, Abu Dhabi Chemicals Derivatives Company RSC Ltd. ("TA'ZIZ") and Proman will construct a natural gas to methanol facility with an anticipated annual capacity of up to 1.8 million tonnes per annum. - **7th March 2022**

- **Beeah Energy, Chinook Sciences to start work on waste-to-hydrogen plant**
Beeah Energy, a subsidiary of Beeah Group, a sustainability pioneer in the Middle East, and UK-based Chinook Sciences, have signed an agreement to commence the development of the region's first waste-to-hydrogen plant to produce combined low-cost ground-breaking green hydrogen and high-quality activated carbon. Non-recyclable waste wood and plastic will be processed using Chinook RODECS gasification and pyrolysis technology, which will produce up to 18,000 kg of green hydrogen a day at full operational capacity. **14th March 2022**
- **UAE, Austria to collaborate in hydrogen technology**
UAE's Ministry of Industry and Advanced Technology (MoIAT) has signed a memorandum of understanding (MoU) with the Federal Ministry of Finance of Austria for a comprehensive collaboration in the hydrogen technology industry. The agreement follows the Comprehensive Strategic Partnership, which was signed in July 2021 during the official visit to Austria of His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces. Dr Al Jaber said: "The MoU aims to establish a comprehensive collaboration in hydrogen technology, which will build on the strengths of each party and contribute to the UAE's position as a leading global energy producer. The agreement is also in line with the UAE's commitment to net-zero emissions by 2050 through the deployment and use of clean energy solutions." - **14th March 2022**
- **22 billion barrels: Adnoc set to tap huge unconventional oil resources in Abu Dhabi**
Abu Dhabi National Oil Company (Adnoc) is gearing up to tap its estimated 22 billion barrels of unconventional oil resources and believes its production potential is comparable to the most prolific North American shale plays. Adnoc senior vice president for unconventional oil resources and exploration Mohamed Al Zaabi told Upstream that the company is currently engaging with potential international partners and operators that can "bring the right mix of unconventional oil expertise, technology and capital" to support the development of its unconventional oil resources. Al Zaabi said the company is committed to unlocking the emirate's unconventional oil resources, with the recoverable volume of an estimated 22 billion barrels having been independently verified. - **15th March 2022**
- **ADNOC - Al-Nouf Seawater Treatment Plant**
Abu Dhabi National Oil Company (ADNOC) is planning to develop Al- Nouf planned seawater treatment under Project Wave in Abu Dhabi, the UAE. The project includes 1. Construction of a seawater treatment plant. 2. Construction of a centralized pumping stations. 3. Laying of transmission pipelines. 4. Development of in-field distribution network to disseminate treated water to water injection wells. 5. Construction of seawater intake and outfall. - **10th March 2022**
- **Abu Dhabi National Energy Company - Cogeneration Plant in Ruwais**
Abu Dhabi National Energy Company (TAQA) is planning to undertake the construction of a 200MW cogeneration plant 'Project Volta' in Ruwais, Abu Dhabi, the UAE. The project includes 1. Construction of gas storage facilities. 2. Construction of combustion chambers. 3. Construction of powerhouses. 4. Construction of substations. 5. Construction of a cooling tower. 6. Construction of access roads. 7. Construction of parking facilities. 8. Laying of transmission lines. 9. Installation of gas turbines. 10. Installation of generators. 11. Installation of steam turbines. - **15th March 2022**
- **ADNOC Awards \$658 Million Framework Agreements**

Abu Dhabi National Oil Company (ADNOC) announced, the award of framework agreements valued at \$658 million (AED 2.4 billion) for cementing services as it continues to invest to enable drilling growth and expand its crude oil production capacity. The framework agreements were awarded to following firms:

Haliburton Worldwide Limited Abu Dhabi (Halliburton),
Baker Middle East (Baker),
Emirates Western Oil Well Drilling & Maintenance Co. (Emirates Western),
NESR Energy Services (NESR)
Emjel Oil Field Services (Emjel)

These awards cover ADNOC's onshore and offshore fields and will run for five years with an option for a further two years. Over 65% of the award value could flow back into the United Arab Emirates (UAE) economy under ADNOC's In-Country Value program over the duration of the agreements. Furthermore, skilled employment opportunities will be created for UAE Nationals by the successful companies who will also work to identify local manufacturing opportunities. The award for cementing services takes the total value of ADNOC's drilling-related framework agreements and procurement awards since November 2021 to over \$8.5 billion (AED31.2 billion). These awards will support ADNOC's requirement to drill thousands of new wells as it increases its crude oil production capacity to five million barrels per day (mmbpd) by 2030 and drives gas self-sufficiency for the UAE.

17th March 2022

- **Adnoc Gas Processing - Additional New Pipeline And Associated Facilities**

ADNOC Gas Processing is planning to undertake the laying of an additional pipeline facility (parallel to the existing 48" TFP line from BVS-03 to BVS-06 station) and 20" pipeline from 52" pipeline near the BVS-03 area to EGA Taweelah/ EML inside Abu Dhabi, the UAE. It is also known as EPC Package 6. The project includes 1. Laying of additional pipeline, 2. Installation of a new valve station, 3. Installation of liquid separation station, 4. Installation of FOC and other communication equipment, 5. Construction of other associated facilities Award Date July 2022 - **16th March 2022**

- **Adnoc Gas Processing - New Pipeline from Habshan Plant to New HGCP**

ADNOC Gas Processing is planning to undertake the laying of pipeline 56" from Habshan Plant to new HGCP. The project includes 1. Installation of a new valve station. 2. Installation of liquid separation station. 3. Installation of FOC and other communication equipment. 4. Installation of control system. 5. Construction of other associated facilities. Award Date August 2022 - **16th March 2022**

- **ADNOC Gas Processing - Upgrade of Sales Gas Pipeline Network**

ADNOC Gas Processing is planning to undertake the upgrade of sales gas pipeline network to revamp its gas transport infrastructure across the UAE. The integrated sales gas pipeline network is composed of four main clusters of facilities and/or manifolds at various locations in Abu Dhabi: The project includes 1. Construction of two gas compressor stations. 2. Laying of 460km natural gas pipelines with a diameter of 16 inches, 24 inches, 30 inches, 48 inches and 52 inches. 3. Construction of 14 sub-transmission stations and pigging stations. 4. Installation of valve stations. 5. Installation of pig receiver/launcher Award Date December 2021 - **16th March 2022**

- **ADNOC Onshore - Flexibility & Blending of Crude Oil Facility at Fujairah**

ADNOC Onshore is undertaking the development of flexibility and blending of crude oil facility at Fujairah main oil terminal at Fujairah, the UAE. The Main Oil Terminal (MOT) at Fujairah, located approx. 300kms from Abu Dhabi, facilitates export and import of various types of crude oil produced by ADNOC from onshore and offshore fields. The Abu Dhabi Crude Oil Pipeline (ADCOP) connects MP-21 at Habshan with Fujairah MOT. The MP-21 facility at Habshan is where stabilized crude produced from various ADNOC Onshore fields are gathered for dispatch by pipeline to either Jebel Dhanna or Fujairah terminals. From Fujairah MOT, the crude oil is transferred to the ship tankers such as Very Large Crude Carriers (VLCCs) by means of Single Point Mooring (SPM) offshore loading

	<p>facilities. The project aims to provide flexibilities and piping cross over (with necessary isolation) between facilities. Contract Value \$20 m Award Date November 2021 – 20th March 2022</p>
<p>KUWAIT</p>	<ul style="list-style-type: none"> <p>• <u>KOC - Construction of Flowlines and Associated Works in North Kuwait Area 1</u> Kuwait Oil Company (KOC) is planning the construction of the flowline network and associated works in the North Kuwait Area 1, Kuwait. The project includes 1. Construction of flowlines. 2. Installation of hot tapping. 3. Installation of valves. 4. Installation of SSVs, control system, and panel. 5. Installation of booster pumps. 6. Civil works. 7. Piping works. 8. Pigging works. 9. Fabrication works. 10. Construction of associated facilities. -13th March 2022</p> <p>• <u>Schlumberger Wins \$135mn Deal to Supply Pumps in Kuwait</u> OPEC member Kuwait has awarded a contract to the US Schlumberger oilfield services company for the supply of advanced pumps for the Gulf emirate's oil wells. The contract is worth around 41 million Kuwaiti dinars (\$135 million). It involves the supply and installation of several "sophisticated oil well pumps", said official sources. The state-owned Kuwait Oil Company (KOC), which manages the country's upstream sector, signed the contract with Schlumberger in February. "The contract involves the supply and installation of progressive cavity pumps at oil wells operated by KOC," the report said, adding that they are within KOC's ongoing plans to develop oilfields and expand output capacity. -17th March 2022</p> <p>• <u>Kuwait Energy to bring ASD well on production</u> Kuwait Energy Egypt will bring the ASD-2 development well onstream in the Abu Sennan license, 7 km north of the producing Al Jahraa field in Egypt's Western Desert, partner United Oil & Gas PLC said in a March 15 release. The well, the first in the 2022 Abu Sennan drilling campaign, was drilled to test the northwestern culmination of the commercial discovery in the Abu Sennan Development (ASD) concession last year. It reached total depth of 3,631 m (OGJ Online, Jan. 13, 2022). The well encountered at least 25.5 m net oil pay across Abu Roash and Bahariya reservoirs. An estimated 20 m net pay was encountered in the Abu Roash-E reservoir, significantly above predrill expectations. The well will be tested and completed in the coming days and immediately onstream through existing ASD infrastructure. The Abu Sennan concession comprises seven development concessions, each containing a producing field, as well as a 644-sq km exploration license. -16th March 2022</p>
<p>BAHRAIN</p>	<ul style="list-style-type: none"> <p>• <u>Tatweer Petroleum - Off Plot Infrastructure Works for ABWTF</u> Tatweer Petroleum (TP) is planning the off plot infrastructure works for ABWTF in Bahrain. The project aims to transport produced water from pipelines to the location of ABWTF. It also includes necessary off-plot pipelines to receive recovered oil back to the facility from ABWTF recovered oil collection tank and pumps. The project includes 1. Off plot infrastructure works. 2. Installation of pipelines. 3. Construction of oil collection tanks. 4. Construction of pumps. 5. Construction of associated facilities. - 11th March 2022</p>
<p>OMAN</p>	<ul style="list-style-type: none"> <p>• <u>Partnership for Development of Green Ammonia Plant in Oman</u> <u>Scatec ASA</u> has announced that is teaming up with ACME Group, to establish a 50:50 joint venture to design, develop, build, own and operate a Green Ammonia Plant in Oman. Formerly known as Scatec Solar ASA, Scatec ASA is a Norwegian company that specializes in renewable energy systems while ACME Group, officially known as <u>ACME Cleantech Solutions Pvt. Ltd.</u> is one of the leading global sustainable and renewable energy companies. Located in the <u>Duqm Special Economic Zone</u>, the Green Ammonia Plant in Oman will produce a total of 100,000 tonnes of green ammonia annually in the first phase that is set to be operational within this year. This will be achieved with the help of a 300MW capacity electrolyzer powered by a 500MW solar farm. The entire project was</p>

set to produce 2,400 tons of green ammonia daily, translating to an annual output of around 876,000 tons. However, following Scatec's announcement, Manoj Upadhyay, the founder and chairman of Acme said that the plant will now be able to produce well over 1.2 million tons per annum. - **8th March 2022**

- **OQ - 210 Km Gas Pipeline**

OQ SAOC (OQ) is undertaking the construction of the 210km gas pipeline in the Southern Part of Oman. The project includes 1. Construction of storage terminals, 2. Construction of metering stations, 3. Construction of compressor stations, 4. Construction of pump stations, 5. Construction of control stations, 6. Installation of valves, 7. Installation of the safety system, 8. Laying of pipelines, 9. Associate facilities Contract Value \$83 m. Award Date February 2022 - **4th March 2022**

- **Elecnor is constructing \$80m gas pipeline in Oman**

Elecnor, Spain announced in a statement that the Company is constructing a 210-km gas pipeline in Oman for EUR 72.5 million for OQ, an international global energy company with its roots in Oman. The contract represents the group's grand entrance into the energy transportation sector in a country that is one of the main producers of natural gas in the world, which is looking to expand its gas transportation network in the southern region of the country in order to meet the expected increase in demand during the period 2022 to 2030. The project is being carried out in the area surrounding the town of Salalah, 150 km from the border with Yemen. - **10th March 2022**

- **OPWP - Manah Solar 2 IPP**

Oman Power & Water Procurement Company (OPWP) is planning to develop its second phase of the solar program known as Manah Solar II IPP and having a capacity generation between 500 MW to 600 MW. The plant will be developed at Manah, which is located 150km southwest of the capital Muscat. The project includes 1. Construction of a PV solar plant, 2. Installation of solar panels, 3. Installation of transformers, 4. Construction of a control room, 5. Construction of associated facilities. Award Date June 2022 - **11th March 2022**

- **Oman's PDO signs extension contract pacts with several local community contractors**

The contracts extended with Al Baraka Oil Services, Shawamikh Oil Services and Al Sahari Oil Services are to provide well maintenance services. Petroleum Development Oman (PDO) signed contract extension agreements with several Super Local Community Contractors (SLCCs), which reflects the great success and the maturity achieved by these companies in the oil and gas sector. The signing took place today at the Oman Convention & Exhibition Centre during Oman Petroleum & Energy Show (OPES), which was inaugurated by His Highness Sayyid Taimur bin Asaad bin Tariq Al Said, Chairman of the Central Bank of Oman Board of Governors. The event is organised under the patronage of the Ministry of Energy & Minerals and hosted by PDO. The contracts extended with Al Baraka Oil Services, Shawamikh Oil Services and Al Sahari Oil Services are to provide well maintenance services. - **22nd March 2022**

- **Trio in race for Qatargas platform prize**

The first phase of the ongoing NFPS project comprises three key packages together valued between \$3bn and \$4bn - **24 February 2022**

- **QatarEnergy exercises contract options for North Field Expansion Project EPC-3 Contract with Técnicas Reunidas**

Técnicas Reunidas announced in a statement that, QatarEnergy has exercised the North Field South Options for the North Field Expansion Project EPC-3 contract to expand the existing liquid product storage and loading facilities required for two future additional LNG trains that are planned for the North Field South project. The North Field Expansion Project EPC-3 contract, which was awarded on

QATAR

19 August 2021 to Técnicas Reunidas, provides for the engineering, procurement, and construction (EPC) to expand the existing infrastructure for increased liquid production from four new LNG trains announced in February 2021 for the North Field East project with scheduled start-up of the first LNG train by year-end 2025. The planned duration of the project is now 47 months, and the contract value exceeds 800 million dollars. This contract is the culmination of front-end engineering and design (FEED) work that began in early 2018. When completed, the North Field East (NFE) Project will increase the State of Qatar’s liquefied natural gas (LNG) production capacity from 77 million tons per annum (Mtpa) to 110 Mtpa. The second phase of the planned LNG expansion for the North Field South (NFS) Project, will further increase Qatar’s LNG production capacity from 110 Mtpa to 126 Mtpa. The NFE Project and NFS Project are both part of the North Field Expansion (NFXP) Project.-
4th March 2022

- **Qatargas - North Field Production Sustainability: Phase 2: Scope C**

Qatargas is planning the development of the offshore riser platform, wellhead platforms, and intra-field pipelines as a part of the North Field Production Sustainability project in Qatar. The project includes 1. Installation of the offshore riser platform.2. Installation of wellhead platforms.3. Installation of intra-field pipelines.4. Installation of control systems.5. Construction of associated facilities Award Date June 2022 - **11th March 2022**

SAUDI ARABIA

- **Saudi Aramco closes \$15.5bn gas pipeline deal with global investor consortium**

Saudi Arabian Oil Company (**Saud Aramco**) and an international investor consortium, led by affiliates of BlackRock and Hassana, announced the successful closing of the lease and leaseback deal previously announced on December 6, 2021. The consortium has acquired 49% stake in Aramco Gas Pipelines Company, a subsidiary of Aramco, for \$15.5 billion. The consortium comprises leading institutional investors including, amongst others, Keppel Infrastructure Trust, Silk Road Fund, and China Merchants Capital. This long-term investment by the consortium represents further progress in Aramco’s portfolio optimization program and highlights the strong investment opportunities presented by Aramco’s significant infrastructure assets. It also underlines Aramco’s strong long-term outlook and the appeal of the Kingdom of Saudi Arabia to leading institutional investors. - **23 February 2022**

- **Saudi Zamil Group eyes green energy projects as CEO sees oil and gas here to stay**

Saudi Arabia - Oil-to-real estate investment firm Zamil Group is weighing up entering the renewable energy market, the company’s CEO Adib Al Zamil said. “Investing in new sectors is what has kept us going as a group. We continue to look, we’re continuously looking,” Zamil told Arab News in an interview. “The drilling that we’re doing supports oil. We were convinced that oil and gas will be here for a few more decades to come,” he added. Last June, the group bought one of the largest oil and gas producers in Egypt ADES for an undisclosed sum, which Zamil said was an important step for his firm. “We think it’s very important. I think its importance comes not only from its financial impact, which we think is quite viable, but also from the value it will bring into the Kingdom,” he added. “The importance of having a full ecosystem for oil and gas is critical for the Kingdom.-**24 February 2022**

- **Significant finds: Saudi Aramco makes multiple gas discoveries in four key regions**

Five sizeable discoveries reported across the kingdom. Saudi Aramco has made multiple conventional and unconventional gas discoveries across four key regions in the kingdom, according to Energy Minister Prince Abdulaziz bin Salman. Natural gas fields have been discovered in the kingdom’s central region, Empty Quarter region, near the nation’s northern border and in the eastern region, SPA, the official press agency of Saudi Arabia reported on Sunday, citing the minister. He named a total of five sizeable discoveries: Shadoon in the central region, Shehab and Al Shorfa

in the Empty Quarter area, Umm Khansar near the northern border and Samna in the eastern region.
- **28 February 2022**

- **Acciona Consortium Wins Major Saudi Water Management Contract**

Global infrastructure giant Acciona has announced that its consortium with Spanish group Aqualia and Saudi firms Tawzea and Haaco, has secured the contract from Saudi Arabia for the management, operation and maintenance of the end-to-end water cycle in the regions of Asir, Jazan, Baha and Najran for the next seven years. The region, known as the South Cluster, covers these four provinces in the south of Saudi Arabia with a population of over five million and a surface area equivalent to half of Spain (240,000 sq km). The contract, which involves a public-private partnership with the state-owned NWC (National Water Company) in charge of these services, covers the management of 59 drinking water plants, 380 storage tanks, 330 pumping stations, 127 tanker filling stations, 20,000 km of mains piping, 43 wastewater treatment plants and 7,000 km of collection networks, among other assets, said the statement from Acciona. -**4th March 2022.**

- **Japanese giant in frame for Saudi Aramco contracts worth more than \$2bn**

Japanese engineering titan JGC is in the frame for two sizeable onshore engineering, procurement and construction contracts from Saudi Aramco involving its Zuluf oilfield, promising incremental project in the Persian Gulf. Several people familiar with the development told Upstream that Aramco recently handed over letters of intent for the two onshore EPC packages understood to be worth between \$2 billion and \$2.5 billion jointly. The Zuluf expansion is a key element of Saudi Arabia's strategy to increase its crude production capacity to 13 million barrels per day and maintain its position as the world's largest crude exporter. - **4th March 2022.**

- **Saudi Aramco Discovers New Gas Fields in 4 Regions**

Saudi Arabia has discovered multiple conventional and unconventional gas fields across the Kingdom, energy minister Prince Abdulaziz bin Salman said. The fields were found in the central area of the Kingdom, in the Empty Quarter region, near the northern border and in the eastern region, he said. State-run Saudi Aramco discovered a field in the central region 180km southeast of the capital Riyadh, with a flow rate of 27 MMcf/d and 3,300 b/d of condensate, the minister said. Aramco also discovered a gas field in the Empty Quarter desert, 70km southwest of the Shaybah oil field, with a flow rate of 31 MMcf/d, and another field in the Empty Quarter lying 120km southwest of Shaybah at a flow rate of 16.9 MMcf/d and 50 b/d of condensate. Along the northern border, Aramco found an unconventional gas field 71km southeast of the city of Arar, with a flow rate of 2 MMcf/d and 295 b/d of condensate. A second unconventional gas field was discovered south of the Ghawar oil field, the world's biggest, with a flow rate at one well reaching 5.8 MMcf/d and 24 b/d of condensate, and a second well at 11.6 MMcf/d and 169 b/d of condensate, and another well at 9.25 MMcf/d, the minister added. - **3rd March 2022**

- **Halliburton opens oilfield chemical manufacturing reaction facility in KSA**

The facility expands Halliburton's manufacturing footprint in the Eastern Hemisphere and strengthens and accelerates its ability to serve the chemical needs of Middle East customers - **1st March 2022**

- **REPDO - Renewable Energy Program Round 3: 300MW Saad Power Plant**

Renewable Energy Project Development Office (REPDO) is undertaking the construction of a 300 MW power PV plant in Saad, Saudi Arabia. The US\$260 million project includes the following: 1. Construction of 300MW power plant, 2. Construction of control rooms, 3. Installation of solar panels, 4. Installation of transformers, 5. Laying of transmission lines, 6. Installation of turbines, 7. Installation of generators, 8. Construction of associated facilities. Contract Value \$209 m Award Date November 2021 - **8th March 2022**

- **Aramco, Sinopec eye downstream collaboration in China**

Aramco, through its Saudi Aramco Asia Company Limited (SAAC) subsidiary, today signed a memorandum of understanding (MoU) with China Petroleum & Chemical Corporation (Sinopec) for potential downstream collaboration in China. SAAC and Sinopec also aim to support Fujian Refining and Petrochemical Company (FREP) in conducting a feasibility study into the optimisation and expansion of capacity. - **14th March 2022**.

- **19 firms in the running for 300km Saudi water transmission project**

The winning developer will provide the entire transmission capacity to SWPC under a water transmission agreement (WTA). 19 developer/developer consortiums have been prequalified for the Ras Mohaisen-Baha-Makkah Independent Water Transmission Pipeline Project (IWTP) in the Kingdom, according to the Saudi Water Partnership Company (SWPC). Once complete, the 300km pipeline project will boast a capacity of up to 400,000cu/m per day. According to a statement, the pre-qualified bidders (lead and/or technical) for the project include global players such as: Cobra Instalaciones y Servicios; Marubeni Corporation; Gezhouba Group Overseas Investment; China Harbour Engineering Company and China Railway Construction Corporation. Regional firms Utico and Abu Dhabi National Energy Company (UAE), as well as Kuwait's Gulf Investment Corporation and Bahrain-based Lamar Holding have also been prequalified. - **24th February 2022**

- **Schlumberger awarded Gas Drilling Project from Saudi Aramco**

Schlumberger announced in a statement that a major contract award by **Saudi Aramco** for integrated drilling and well construction services in a gas drilling project. The integrated project scope encompasses drilling rigs and technologies and services, including drill bits, measurement while drilling (MWD) and logging while drilling (LWD), drilling fluids, cementing, and completing wells. Schlumberger will leverage digital solutions to enhance integrated drilling performance, including the DrillOps on-target well delivery solution which uses data analysis, learning systems and automation to execute a digital well plan, improving drilling efficiency, consistency and performance. This award represents a significant endorsement of Schlumberger's fit-for-basin technology and domain expertise for gas well development in the region, statement mentioned. - **16th March 2022**

- **NWC - Main Sewage Line LZ Phase 2 in Riyadh**

National Water Company (NWC) is planning to install the main sewerage line in Riyadh, Saudi Arabia. The project includes 1. Installation of 4km HDPE pipeline. 2. Construction of thrust block. 3. Construction of chambers. 4. Excavation works. 5. Associated facilities. Award Date May 2022 - **10th March 2022**

- **Saudi Arabia Forms Nuclear Energy Company 'SNEHC'**

Prince Abdullah Bin Khalid Bin Sultan, Saudi Arabia's governor to the International Atomic Energy Agency (IAEA), revealed that the Kingdom has established the Saudi Nuclear Energy Holding Company (SNEHC). He said that the company will be able to participate in nuclear economic projects locally and internationally, in addition to operating and developing nuclear facilities for the production of energy and desalinated water, setting a strategy for developing human capital in the field of atomic energy, its cooperation with the International Institutes for Atomic Energy Research and its work on creating a national digital platform to build and attract human capabilities in the field of atomic energy. - **16th March 2022**

- **Aramco to Launch 65 New Projects in 2023**

Major government and private entities reviewed their future projects worth billions of dollars to allow contractors to benefit from their implementation, coinciding with the 4th edition of the Future Projects Forum in Riyadh. The Saudi Contractors Authority, in partnership with several public and private entities, launched the Forum on Sunday, showcasing nearly 3,000 projects worth \$213 billion. The participating agencies disclosed projects for more than 13 government agencies and the private sector, including five ministries. The Authority signed ten memoranda of understanding

(MoU) with several agencies, and the winners were crowned with Excellence Awards. Saudi Arabian Oil Company (Aramco) announced it will launch 55 new projects in 2023 and ten other gas and oil projects. The Ministry indicated that it is about to launch new projects at the beginning of 2023, revealing many initiatives to localize and enable renewable energy opportunities. SABIC explained that its assets amount to \$85 billion, making it the second-best brand in the industry globally. Several memoranda of understanding were signed between the Saudi Contractors Authority and King Abdulaziz City for Science and Technology on the sidelines of the Forum– **22nd March 2022**

- **Dorra field development costs \$7 Billion:**

A project to develop the offshore Dorra gas field by Saudi Arabia and nearby Kuwait will cost nearly \$7 billion, a Kuwaiti newspaper reported on Tuesday. The two Gulf countries, among the largest OPEC oil producers, signed an agreement on Monday to develop the field which is located in the oil-rich Neutral Zone they share. The Durra field is expected to produce one billion standard cubic feet per day of gas and 84,000 barrels per day of condensates, according to an official statement. “Official sources in Kuwait have revealed that the project to develop this field will cost around \$7 billion. The costs will be shared equally by the two countries,” the Arabic language daily Alnaba said. It quoted the sources as saying the field contains 10-11 trillion cubic feet of natural gas and at least 300 million barrels of crude oil. “This important project will open up vast opportunities to develop the oil operations areas in the Neutral Zone,” the paper said. **22nd March 2022**

- **ACWA Power/NEOM/Air Products - Helios Green Fuels Project: Green Ammonia Plant**

NEOM Green Hydrogen Company, a consortium of ACWA Power, NEOM and Air Products is planning to undertake the development of green ammonia plant project at Helios Green Fuels Project in NEOM, Saudi Arabia. The project includes 1. Construction of a green ammonia production plant with the capacity of 1.2 million tons per year. 2. Construction of a hydrogen production plant with a capacity of 650 tons per day. 3. Construction of storage facilities. 4. Installation of air compressors. 5. Installation of process heater systems. 6. Infrastructure works. 7. Construction of associated facilities. Award Date December 2021. **17th March 2022**

- **Harlow International – Al Khairat Thermal Power Plant: Phase 1 (1600MW)**

Harlow International is constructing a heavy oil power plant in Al Khairat in Karbala province of Iraq. The plant is located about 100km away from Baghdad next to the Karbala refinery which will provide its by-product heavy oil for the power plant. The current profile is phase 1 of in Al Khairat Thermal power plant that will have 4 units with 400MW capacity each and will be put into operation in batches. 1. Construction of 1600MW power plant, 2. Construction of the substation, 3. Installation of generators, 4. Installation of steam turbines, 5. Installation of transformers, 6. Construction of a cooling tower, 7. Civil works, 8. Construction of associated facilities. Contract Value \$1,425 m. Award Date October 2021- **25 February 2022.**

- **Iraq in talks with Halliburton, Saudi Aramco to develop oil, gas in western desert**

Iraq is in talks with Halliburton Co. and Saudi Arabia’s Aramco to carry out oil and gas developments in the west of the country. Baghdad is in discussion with Halliburton Co. for a technical partnership to develop and operate oil and gas reserves in Anbar province near Iraq’s borders with Syria and Saudi Arabia, Iraq’s Oil Minister Ihsan Abdul Jabbar said in an interview in Qatar. The ministry is finalizing the commercial terms and scope of work and Iraq’s government will sign the contract once it takes office, he said. The cost of the development will be covered by the Iraqi government and possibly Saudi Aramco if the oil giant decides to invest, the minister said. Iraq is also in talks with Aramco to fund and develop the nearby Akkas gas field, said Jabbar.- **22 February 2022**

- **Halfaya Gas Processing Project to Start Trial Operations in 2023**

Contractors have completed 51% of the planned gas processing plant at Iraq’s Halfaya field, according to a statement released by the country’s oil ministry. The plant is now scheduled to be

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completed and start trial operations start in mid-2023. China Petroleum Engineering & Construction Corporation (CPECC) is signed up to build and operate facilities to process natural gas extracted alongside crude at the Halfaya oil field. The company signed a \$1.07bn engineering, procurement, construction, commission, operations and maintenance (EPCCOM) contract for the plant with Iraq's Oil Ministry on 29 July 2019. CPECC, which is affiliated with China National Petroleum Corporation (CNPC), is expected to process around 300 million standard cubic feet a day of natural gas extracted alongside crude oil at the field. - **4th March 2022**

- **Exxonmobil - West Qurna I Oil Field Development: Crude Oil Processing Train**

Exxonmobil is undertaking the construction of the crude oil processing train in West Qurna-1 Oil Field Development, Basrah, Iraq. The new facilities will be built next to the existing degassing stations DS6 and DS7 which can produce crude oil up to total capacity of 210,000 barrels per day. The project includes 1. Construction of crude processing units.2. Construction of oil storage tanks.3. Construction of crude heating unit4. Construction of a control system5. Construction of the flaring system.6. Installation of a gathering system7. Construction of associated facilities. Award Date February 2022. Contract Value \$316 m. **17th March 2022.**

- **SDX Energy completes MSD-25 well drilling in Egypt**

AIM-listed SDX Energy, the MENA-focused energy company, has completed the drilling at the MSD-25 infill development well on the Meseda field in its West Gharib concession, Egypt, where SDX has 50% working interest. **MSD-25** encountered the primary top Asl Formation reservoir at 4,109ft MD (3,361ft TVDSS) and reached a TD of 4,385ft MD. The well encountered 84.8ft of good-quality, net oil pay sandstone, with an average porosity of 26.1% in the Asl Formation reservoir. **MSD-25** will now be tied-in to the existing facilities and flow tested, and it is expected to be in production within two to three weeks. **MSD-25** is the second well in a fully-funded, 13-well development campaign on the Meseda and Rabul oil fields in the **West Gharib concession**, Egyptian Eastern Desert. The development drilling campaign is aimed at growing production to approximately 3,500 - 4,000 bbl per day by early 2023. The rig will now move to the next well in the campaign, **MSD-20**, which is expected to spud in mid-to late-March 2022. – **28 February 2022**

- **Anchorage unveils \$2bn petchem project in Suez Canal Economic Zone**

Anchorage Investments, a company operating in the development, investment, and operation of industrial projects in the petrochemical sector, has said that it is preparing to embark on the engineering and construction of its Anchor Benitoite project in the industrial zone of the Suez Canal Economic Zone. Tender issued to select main engineering, procurement and construction contractor for project Anchorage Investments, a company operating in the development, investment, and operation of industrial projects in the petrochemical sector, has said that it is preparing to embark on the engineering and construction of its Anchor Benitoite project in the industrial zone of the Suez Canal Economic Zone. In a statement, the company said that the project has an investment cost of more than \$2 billion, and that it will issue a tender to select the main engineering, procurement, and construction (EPC) contractor for the project. The Anchor Benitoite project is expected to be completed within three years following the completion of the engineering and design phase. - **9th March 2022**

- **SDX Energy ties back West Gharib infill development well**

SDX Energy PLC tied back the MSD-25 infill development well on Meseda field in the West Gharib concession, Egyptian Eastern Desert. The well, the second in a possible 13-well development campaign at Meseda and Rabul fields, spudded Jan. The primary top Asl formation reservoir was encountered at 4,109 ft MD (3,361 ft TVDSS) and reached 4,385 ft TD on Feb. 22, 2022, after drilling through 84.8 ft of good-quality, net oil pay sandstone with 26.1% average porosity. The development drilling campaign is aimed at growing gross production to about 3,500-4,000 b/d by early 2023. - **17th March 2022**

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	<ul style="list-style-type: none"> • <u>GUPCO - North Safa Field Offshore Oil Platform</u> Gulf of Suez Petroleum Company (GUPCO) is undertaking the the construction of establish an offshore oil platform to develop the North Safa field in Egypt. The project will have 10-km-long production lines to raise the production from 10,000 barrels per day (bpd) to 15,000 bpd. The project includes 1. Construction of offshore oil platform 2. Installation of 10-km-long production lines.3. Installation of a tie-in platform. 4. Installation of hookups.5. Installation of jacket and deck.6. Construction of associated facilities – 22nd March 2022
JORDAN	<ul style="list-style-type: none"> • <u>Recycled wastewater provides a window for Jordan to address water scarcity</u> Jordan is the second most water scarce country in the world. As climate heats up, affecting Jordan’s already exhausted water resources, expanding wastewater treatment provides one opportunity to increase water availability for irrigation that consumes about one half of the country’s total water supply, the United Nations said on Monday. Jordan already operates 34 wastewater treatment plants that provide 14 per cent of total water supply, and treated wastewater reused in agriculture accounted for about 25 per cent of the total amount of water used for irrigation. To galvanise action on water for sustainable development, the United Nations will host a Water Conference next year. Formally known as the 2023 Conference for the Midterm Comprehensive Review of Implementation of the UN Decade for Action on Water and Sanitation (2018-2028), the event will take place at UN headquarters in New York, March 22-24, 2023, co-hosted by Tajikistan and the Netherlands. - 22nd March 2022.

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