

GERAB

BULLETIN

Vol: 5



- 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

- Global growth is projected to slow from an estimated 6.1 percent in 2021 to 3.6 percent in 2022 and 2023. This is 0.8 and 0.2 percentage points lower for 2022 and 2023 than projected in January. Beyond 2023, global growth is forecast to decline to about 3.3 percent over the medium term. War-induced commodity price increases and broadening price pressures have led to 2022 inflation projections of 5.7 percent in advanced economies and 8.7 percent in emerging market and developing economies, 1.8 and 2.8 percentage points higher than projected last January. Source-IMF.org
- Energy prices surged 24% in March led by crude oil 20.2%, coal 49.9%, and natural gas Europe 55.7% as per World Bank pink sheet report. Non Energy prices gained 8.1%. Over the past twelve months, Energy commodities have risen 101.6% and non-energy commodities have gone up by 31.7%. Source – Worldbank.org

COMMODITY	UOM	Latest Price	WTD %	MTD %	3MTD %	6MTD %	YTD %
Chromium	USD/MT	11,678.26	-0.11	2.63	12.91	1.68	52.88
Coal	USD/MT	323.20	9.93	-14.67	39.68	24.52	225.09
Cobalt	USD/MT	86,260.38	0.61	4.35	15.40	48.82	76.08
Copper	USD/MT	10,343.65	-0.79	1.26	6.15	7.70	10.06
Crude Oil	USD/BBL	104.31	1.39	-5.58	24.22	26.69	64.87
Crude Oil Brent	USD/BBL	106.63	1.11	-5.35	25.54	27.74	64.13
Crude Oil WTI	USD/BBL	101.99	-7.47	-5.83	23.73	25.60	65.66
Iron Ore	USD/MT	157.49	-0.87	4.37	22.73	30.59	-9.60
Molybdenum	USD/MT	42,429.29	0.00	0.34	1.58	1.63	72.92
Natural Gas	USD/MCF	6.94	5.89	35.22	60.89	20.18	149.55
Nickel	USD/MT	33,173.46	1.83	-10.67	50.81	72.20	101.15

Steel HRC (FOB China)	USD/MT	854.46	3.65	-0.83	13.96	-6.04	0.77
Steel HRC (N. America)	USD/MT	1,643.80	1.30	30.35	5.56	-21.96	8.98
Steel Rebar	USD/MT	877.92	3.36	1.90	8.59	-5.10	1.44
Steel Scrap	USD/MT	619.31	-3.12	-3.89	32.12	27.93	32.21

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	16,99,086.00	-0.75	-0.46	-3.89	-7.98	-11.20

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	1.0828	0.10	-1.71	-4.55	-6.85	-10.05
USDCNY	1 USD to CNY	China	CNY	6.4495	-0.95	-1.22	-1.71	-0.88	0.65

Source- Trading Economics

Source- Trading Economics / Wall Street Journal / CNBC

STOCK PRICES								
Name	Latest Value	Units	WTD%	MTD%	3MTD%	6MTD%	YTD%	
ArcelorMittal SA	32.68	USD	-0.34	-2.30	2.67	2.96	11.12	
Glencore PLC	528.23	GBP	0.21	6.17	28.82	43.33	80.34	
NYSE American Steel Index	2,028.61	Index	-0.54	3.44	30.26	30.27	22.28	
Rio Tinto PLC	5,985.00	GBP	-2.34	3.12	9.68	28.74	0.18	
Tenaris SA	32.51	USD	0.65	9.61	41.10	40.86	50.37	
Tubacex SA	1.81	EUR	-4.74	-1.63	15.29	2.26	10.37	

INTERNATIONAL RIG COUNTS

- Rig counts in UAE dropped by 11% 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	34.00	*	-10.53	-20.93	-8.11	-22.73
GCC	187.00	*	-1.58	2.19	6.86	-3.11
Middle East	287.00	*	-0.69	3.99	9.96	10.38
Africa	75.00	*	-6.25	-3.85	10.29	44.23
Asia-Pacific	179.00	*	-2.72	-1.10	-2.19	18.54
Europe	94.00	*	-8.74	-4.08	-1.05	10.59
Latin America	152.00	*	-3.18	-1.30	10.95	21.60

North America	808.00	-3.46	-7.34	19.53	18.65	62.58
Total	1,595.00	*	-5.34	9.02	11.93	36.32

Source- Baker Hughes

(*) No weekly data available for those particular regions

PROJECTS

UAE

- Borouge 4, a Polyolefin Expansion Project in Abu Dhabi Breaks Grounds**
 Recently, chemical specialists, Borealis and The Abu Dhabi National Oil Company (ADNOC) broke ground on the US\$ 6.2bn Polyolefin Expansion Project that entails the construction of the fourth Borouge facility, also known as Borouge 4 at the firm's polyolefin manufacturing complex in Ruwais, United Arab Emirates. When completed, expectedly in 2025, the Polyolefin Expansion Project will make Borouge the world's largest and single-site polyolefin complex with the capacity to produce a total of 6.4 million tonnes of polyethylene per year owing to the new 1.4 million tonnes capacity Borouge 4. The project is also set to enable the Ruwais Industrial Complex's next phase of growth through the supplying of feedstock to Ta'Ziz. This in effect will enhance the local industrial supply chains further leading to more in-country value opportunities. - **27th March 2022**
- Abu Dhabi's ADNOC Distribution eyes Saudi Arabia, India for expansion**
 Abu Dhabi-based fuel retailer ADNOC Distribution said it will continue to pursue its plans to expand its business globally by 2023, with the Middle East, North Africa and Asia among strategic areas of focus. The international growth strategy includes exploring opportunities in fuel retail and lubricant exports, particularly in markets like Saudi Arabia and India, the company said in its annual report released on Wednesday. The company reported a net profit of 2.25 billion dirhams (\$612 million) for 2021, a decrease of 7.4 percent compared to 2020, mainly due to lower EBITDA.- **24th March 2022**
- ADDC - Water Distribution Network in CR, ER and Al Dhafra Region**
 Abu Dhabi Distribution Company (ADDC) is planning to undertake the construction of a Water Distribution Network in the Central Region, Eastern Region, and Al Dhafra Region of the UAE. The project scope consists of 1. Laying of the water pipeline.2. Construction of chambers.3. Installation of water pumps and valves.4. Infrastructure works.5. Construction of associated facilities Award Date June 2022- **29th March 2022**
- Empower to Build a New Generation District Cooling Plant in DLRC**
 Mirates Central Cooling Systems Corporation (Empower), one of the world's largest district cooling services provider, has awarded a contract worth AED 193 million (\$52.55 million) to build a new generation district cooling plant. The construction of the project has already begun and its capacity will reach 23,500 refrigeration tonnes (RT) on completion of the first phase, which is scheduled to be operational by the first quarter of 2023.- **31st March 2022**
- Adnoc Signs MoU to Deepen Hydrogen Cooperation with Germany**
 Abu Dhabi National Oil Company (Adnoc) has announced that it has signed new memorandum of understanding (MoU) and joint study agreements (JSA) with counterparts in Germany to accelerate and deepen collaboration in clean hydrogen. As part of its ambitious decarbonization drive, the German government's National Hydrogen Strategy expects clean hydrogen demand of up to 3 million tons per annum (Mtpa) by 2030, of which around 60% is expected to be imported. Demand may grow to over 11 Mtpa by 2050.-**5th April 2022**
- Adnoc Awards Contracts for Cementing Services to NESR**
 National Energy Services Reunited Corporation (NESR), an international, industry-leading provider of integrated energy services in the Middle East and North Africa (Mena) region, has announced that it has been awarded one of the major contracts for cementing services by Abu Dhabi National Oil

Company (Adnoc). In total, the announced award of framework agreements to five oilfield service providers is valued at \$658 million, a strong portion of which includes NESR's scope for cementing services up to seven years. The five-year contract, worth \$169 million for surface testing, will see the company deploy its best-in-class technologies while minimizing environmental impact to support Adnoc's flagship ICV programme. -11th April 2022

- **Abu Dhabi Advances \$1bn Green Hydrogen/Ammonia Project**

Abu Dhabi announced the AED3.7bn (\$1bn) facility as well as the formation of Helios Industry, a special project vehicle to implement the scheme, in May. In August, Germany's Thyssenkrupp was awarded a technical study contract for the project. The study has been completed and project partners are being finalized, according to an industry source. The planned facility will integrate Thyssenkrupp's green hydrogen and green ammonia technologies. The overall project will include an 800 MW solar photovoltaic (PV) plant to power hydrogen-to-ammonia production. The plant is expected to produce 200,000 tonnes of green ammonia for export annually once completed. The project's initial phase entails a 300 MW solar PV plant and an estimated 35,000 tonne-a-year ammonia production facility. -13th April 2022

- **Chinese cable supplier hired for major ADNOC oil and gas projects**

ZTT Submarine Cable & System has secured three oil and gas subsea cable supply projects with UAE's National Petroleum Construction Company (NPCC), set to be delivered to the end-user Abu Dhabi National Oil Company (ADNOC). The scope of work includes the bespoke design, manufacture, testing, and delivery of 54.2 kilometers of 6.6 kV and 11k V submarine composite cable for the Umm Shaif Long Term Development Phase 1 (US LTDP-1) project. ZTT will also supply 34 kilometers of 6.6 kV bundled submarine power cable and 105.67 kilometers of double armorer SOFC cables for the Dalma gas development project. The deal valued at \$514 million covers four offshore wellhead towers, pipelines, and umbilicals in Hair Dalma, Satah, and Bu Haseer fields. The contract is expected to be completed in 2025 and will enable the Dalma field to produce around 340 million standard cubic feet per day (mmscfd) of natural gas. -19th April 2022

- **ADPC - Kizad: Gas Distribution Network: Phase 2**

Abu Dhabi Ports Company (ADPC) is planning the development of the second phase of a gas distribution network at Khalifa Industrial Zone (Kizad) in Abu Dhabi's Al-Taweelah area, the UAE. AD Ports Group aims to install high-pressure and low-pressure gas transmission lines across the nine industrial clusters (KP1-9) of Kizad Area A, which spans about 51 square kilometers. The project includes 1. Modification and upgrades to the launcher area of the main gas station with the receiver station. 2. Modification and upgrades to the receiver area of the main gas station integration with the receiver station. 3. Setting up a new control building and installing pressure regulating and metering skids (PRMS), filters, and meter skids. -13th April 2022

- **Emarat - Underground Natural Gas Pipeline in Fujairah**

Emirates General Petroleum Corp (Emarat) is planning to construct a 6km underground natural gas pipeline in Fujairah, the UAE. The project includes 1. Installation of modern pipeline systems. 2. Installation of surface equipment. 3. Installation of separators. 4. Installation of auxiliaries. 5. Installation of associated facilities Award Date July 2022. - 19th April 2022

KUWAIT

- **KNPC Launches Fifth LNG Line at MAA Refinery**

The Kuwait National Petroleum Co. has launched its fifth liquified natural gas line at Mina Al Ahmadi Refinery, which is its second largest project following the Clean Fuels project. The new pipeline marks a 30 percent increase in the firm's production of liquified gas, as it adds around 805 million square feet of gas and 106,000 barrels of condensates, said the CEO. This comes as the company aims to expand profitable derivatives that correspond to global markets, Waleed Al Bader added. -25th March 2022

- **Kuwait to award \$4.6bn rig deals**
 Kuwait will soon award contracts for the supply of 63 oil drilling rigs with a combined value of around 1.4 billion Kuwaiti dinars (\$4.6 billion), a newspaper reported on Monday. The state-owned Kuwait Oil Company (KOC), which manages the OPEC member's upstream sector, is studying separate bids by 24 foreign companies and 2 local firms for the supply of the rigs within a period of 5 years, the Arabic language daily Alanba said. It quoted KOC sources as saying each company is allowed to bid for the supply of up to 8 rigs in order to give a chance to all bidders to compete for contracts. It is the largest rig deal to be finalized by KOC in many years and is intended to support its oil drilling operations within plans to expand output capacity, the paper said. "KOC intends to award all those contracts soon to the bidders who submit the lowest prices. Supply contracts for all the rigs will be awarded at the same time," it added. - **28th March 2022**
- **KOC - Flowline Network and Associated Works in Umm Niqa and South Ratqa**
 Kuwait Oil Company (KOC) is planning the installation of the flowline network and associated works in Umm Niqa and South Ratqa, Kuwait. Project includes 1. Installation 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 Award Date July 2022. - **28th March 2022**
- **MEW - Doha SWRO Desalination Plant Phase 2**
 The Ministry of Electricity and Water (MEW) is planning to construct a seawater reverse osmosis (SWRO) desalination plant in Doha, Kuwait. Water sustainability is a growing concern in the Middle East, the Ministry of Electricity & Water has taken proper measures to sustain a potable water supply for the communities. The project aims to meet the growing demand for water both from the domestic and industrial sectors in the country. Award Date July 2022.- **4th April 2022**
- **Saudi Arabia, Kuwait Agree to Develop Dorra Gas Field**
 Saudi Arabia and Kuwait have signed an agreement for the development plan for the joint Dorra offshore gas field, according to a statement. The deal was signed during a meeting between the Saudi and Kuwaiti energy ministers. The field is expected to produce 1 billion cubic feet of natural gas per day with 84,000 barrels of condensate daily. - **8th April 2022**
- **Mitsubishi HEISCO JV Submits lowest bid of \$298.3m for Sabiya Power Plant in Kuwait**
 HEAVY ENGINEERING INDUSTRIES & SHIPBUILDING CO (HEISCO) announced in a statement that, along with its consortium, it has submitted the lowest bid, for a tender issued by Ministry of Electricity, Water and Renewable Energy in Kuwait. The consortium submits the lowest bid of KWD 90.9 million (USD 298.3 million). HEISCO mentioned that consortium includes Mitsubishi Power Limited. Project Scope of Works includes modernize steam turbines and electric generators for 8 steam units at the Sabiya Power Plant having plant capacity of 2400MW.-**14th April 2022**
- **MEW - Upgrade & Development of Doha Western Power Station**
 Ministry of Electricity & Water (MEW) is undertaking the upgrade of the existing Doha Western Power Plant in Kuwait. The project involves the upgrade of the components associated with 8 steam boilers with 16 gas burner stations per boiler comprising dismantling and removing fuel gas burner stations, cut and replace pipes between existing burner stations, and additional associated works. The project includes 1. Installation of control systems of thermal units.2. Installation of auxiliary systems at the station.3. Installation of new fuel gas burner stations.4. Installation of new fuel gas piping, fittings, and flexible hoses.5. Installation of power transformers and related equipment Award Date July 2022.- **19th April 2022**
- **KOC - Construction of Flowlines and Associated Works in West Kuwait Area**

	<p>Kuwait Oil Company (KOC) is planning to construct the flowline network and associated works in the West Kuwait Area, 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 Award Date August 2022.- 19th April 2022</p>
BAHRAIN	<ul style="list-style-type: none"> <p>• <u>Tatweer Petroleum - Pre-Unayzah Reservoir (LSTK)</u> Tatweer Petroleum is planning the Pre-Unayzah Reservoir Appraisal in Bahrain.The project is of strategic importance to the company's objectives of meeting the present and future gas demands for power generation and heavy industry in the Kingdom of Bahrain. It is expected to cover a main early phase in the appraisal of the Pre-Unayzah gas resources. The project scope is 1. Drilling works.2. Hydraulic fracturing of eight dedicated horizontal wells targeting Jubah and Jauf formations.3. Installation of machinery.4. Laying of pipelines.5. Installation of associated facilities - 25th March 2022</p> <p>• <u>Ministry of Works - Muharraq Sewage Treatment Plant: Stage 2 Expansion</u> Bahrain's Public Works Ministry (MoW) is planning the construction of a treated sewage effluent (TSE) scheme at the Muharraq sewage treatment plant in Muharraq, Bahrain. The Project includes 1. Construction of sewage treatment plant with a capacity of 160,000 m³/d.2. Construction of utilities.3. Installation of pipeline network.4. Construction of sludge deposition tanks.5. Construction of associated facilities. Award Date November 2022. -18th April 2022</p>
OMAN	<ul style="list-style-type: none"> <p>• <u>Oman in Talks with Partners to Develop Gas Block 11</u> The government in Oman is in discussions with Royal Dutch Shell and France's TotalEnergies to develop block 11, which is rich in natural gas reserves. "Discussions are ongoing now to finalize the commercial agreement between the government and the same [block 10] partners for block 11," said Salim al-Aufi, undersecretary at Oman's Ministry of Energy and Minerals (MEMR). The Shell-led consortium consists of Omani energy holding company OQ and Marsa Liquefied Natural Gas (LNG), a joint venture (JV) between France's TotalEnergies and OQ. Production from block 10 is planned to start production in two years and is expected to reach a peak production capacity of 500 million cubic feet of gas a day (MMcfpd). Block 11 is located adjacent to block 10.-25th March 2022</p> <p>• <u>Spanish Firm Wins \$80mn Gas Pipeline Contract in Oman</u> Elecnor, Spain has won a contract for 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.- 29th March 2022</p> <p>• <u>OQ - 42" Fahud-Sohar Second Loop Line Project</u> OQ SAOC (OQ) is undertaking the development of the 42" Fahud-Sohar Second Loop Line project in Oman. The project includes 1. Construction of new 42-inch pipeline from Fahud compressor station to BVS-06 (193Km) / BVS-04 (128KM) looping both 32" existing pipelines to Sohar.2. Installation of new/extension 6 no's / 4 no's block valve stations (BVS) on the new 42" loop line and interconnected with existing BVS's.3. Connect the new loop line to Ibri IPP, ARA, and Oxy spur lines. Award Date September 2022.- 26th March 2022</p> <p>• <u>Air Products, Sargas to Build New ASU at Jindal Shadeed Facility</u> Air Products, a world leader in industrial gases, together with its regional partner Saudi Arabian Refrigerant Gases Company (Sargas) an affiliated company of Abdullah Hashim Gases and</p>

Equipment, Air Products' long standing industrial gas joint venture in Saudi Arabia – has announced that it has signed an agreement to build a new air separation unit (ASU) at Jindal Shadeed Iron & Steel facility in Sohar, Oman. The new unit will produce a total of over 400 tons per day (tpd) of oxygen and nitrogen to the facility.-5th April 2022

- **Maha Energy awards Drilling Contract to Global Business Services in Oman**
Maha Energy AB, Sweden announce the signing of a Letter of Award (“LOA”) with Global Business Services (“GBS”) in Muscat, Oman for the drilling of a minimum of six wells, on Block 70, onshore Oman. The LOA is binding and precedes a Drilling Contract which is expected to be finalized in the near future. The Drilling Rig, GBS-1 (formerly OGI-4) is a 1,000 hp super single top drive rig, built in 2010 and is currently located in Muscat, Oman. The rig will be prepared for the campaign and expected mobilization is in June, 2022. The drilling program will consist of two appraisal wells followed by four horizontal pilot production wells on the Mafraq structure. - 16th April 2022

QATAR

- **QatarEnergy awards key contract for Bul Hanine and Maydan Mahzam offshore fields**
QatarEnergy has awarded a key technical services contract to Netherlands-headquartered Fugro that is aimed at de-risking the further development of its huge Bul Hanine and Maydan Mahzam offshore oilfields. The integrated development of the Bul Hanine and Maydan Mahzam fields has been on the cards for several years, but its execution has been delayed in the wake of sustained low oil prices. However, industry sources have said that Qatar is keen to further exploit the potential of the two offshore fields on the back of improved market fundamentals, and is expected to press ahead with its development phase. One person close to QatarEnergy said the company is also said to be progressing with the project's front-end engineering and design stage, indicating that it is keen to pursue the multi-billion dollar offshore redevelopment. - 30th March 2022
- **Marafeq - Marina District Cooling Plant Phase 1 Expansion**
Marafeq Qatar (Marafeq) is planning to undertake the expansion of the existing district cooling plant known as Marina District Cooling Plant Phase 1 in Lusail city of Qatar. The project is a part of the plan to develop an integrated district cooling network with a total capacity of 500000 TR at four different locations of which Marina District Cooling Plant is one among them. Project includes 1. Installation of water-cooled centrifugal chillers.2. Addition of associated equipment.3. Construction of new thermal energy storage tank.4. Civil works.5. Water tanks.6. Construction of associated facilities Award Date July 2022.- 26th March 2022
- **Qatar offshore: US contractor in pole position for Gallaf oilfield prize**
The workscope involves up to 11 wellhead platforms, one riser platform, one central processing platform and other facilities. McDermott International has emerged as the front runner for a contract from Qatar's North Oil Company (NOC) for the front-end engineering and design work on the next development phase of Al-Shaheen, an offshore oilfield. Two people familiar with the development told Upstream that McDermott is “well-positioned” for the coveted FEED job. NOC — a partnership between state-controlled QatarEnergy and France's TotalEnergies — is executing the Gallaf project, which aims to sustain the production plateau at the Al-Shaheen oilfield.- 1st April 2022.
- **Qatar's MHPC gives the go-ahead for \$239m PVC project**
Mesaieed Petrochemical Holding Company (MPHC), Qatar announced in a statement that its Board of Directors has approved the award of an Engineering, Procurement, Construction (EPC) contract for a new Polyvinyl Chloride (PVC) plant by its joint venture; Qatar Vinyl Company (QVC), with a total contract value of USD 239 million. QVC is a joint venture between MPHC with 55.2% stake, Qatar Petrochemical Company (Qapco) with 31.9% stake and QatarEnergy with 12.9% stake. The new PVC

plant's construction is expected to be completed by mid-2025. The plant targets a nameplate capacity of 350,000 metric tons per annum of Suspension PVC (S-PVC). - **9th April 2022.**

- **European contractor lands key engineering contract for Qatar's offshore oil giant**
UK contractor Wood Group has landed a prized contract from QatarEnergy to carry out front-end engineering and design studies on the further development of its Bul Hanine and Maydan Mahzam offshore oilfields. Three people with direct knowledge of the development told Upstream that Aberdeen-based Wood was recently awarded the FEED contract. One source described the FEED work as extensive and said it is likely to be carried out for a period of 20-22 months. QatarEnergy last month awarded a technical services contract to Netherlands-headquartered Fugro aimed at de-risking the further development of the Bul Hanine and Maydan Mahzam offshore oilfields. - **13th April 2022.**

SAUDI ARABIA

- **Petro Rabigh signed CO2 Capture and Sales Project Agreement**
Petro Rabigh, Saudi Arabia announced in a statement that it has signed the CO2 Capture and Sales Project Agreement with Gulf Cryo Company, a project that aligns with Saudi Arabia's Circular Carbon Economic Concept, as well as the Saudi Vision 2030's ambitious programs, aiming to reduce carbon emissions in the Kingdom. Part of the total captured and highly-purified gas will be transformed into a food-grade quality with a volume of 300 metric tonnes/day. It will be supplied via pipeline to Petro Rabigh for its internal processes. The remaining volume of CO2 will be provided in liquid form to industrial end-users replacing fossil fuel burning plants and contributing to an environmentally friendly economy. In return, the captured and purified CO2 emissions are utilized as a valuable resource for food-grade innovative gas applications in Oil & Gas, Desalination, Food & Beverage, Cement, and Agriculture industries. The Project will start in August 2022 and will be completed in Q3 2023, statement mentioned.
- **24th March 2022.**
- **Schlumberger Wins Integrated Gas Drilling Project in Saudi Arabia**
Saudi Aramco has awarded a major contract award to Schlumberger 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. -**25th March 2022**
- **SWCC Awards \$132mn Supply Contract to East Pipes Integrated Company**
Saudi-based East Pipes Integrated Company for Industry has secured a major contract from Saline Water Conversion Corporation (SWCC) for its upcoming water projects. As per the SR497 million (\$132 million) contract, East Pipes Integrated Company will complete the supplying of its spiral steel pipes to SWCC within one year, stated the company in its filing to Saudi bourse Tadawul. Founded in 2010 at Dammam in the kingdom's Eastern Province, East Pipes Integrated Company has become a major manufacturer of spiral steel pipes. The company presently offers helical submerged arc welded (HSAW) pipes, used in transport, water, oil and gas and other sectors, to customers worldwide. -**1st April 2022**
- **Saudi ACWA Power signs \$900mn green hydrogen contract in NEOM JV**
The JV has potential capacity of 1.2mtpa of green ammonia. Saudi Arabian utility developer ACWA Power has signed a contract worth \$900 million relating to the NEOM Green Hydrogen Project. The signing of the Limited Notice to Proceed (LNTN) agreement relates to the engineering, procurement and construction (EPC) contract for the manufacture of green ammonia, the company said in a bourse statement on Tadawul.- **4th April 2022**

- **Gulf Cryo to Build CO2 Capture Plant in Saudi Arabia**
 This cooperation between Petro Rabigh and Gulf Cryo is aligned with their shared ambition to capture CO2 emissions with the goal of reducing CO2 emissions by up to 2 million tons per year by 2042. This collaboration aims at capturing CO2 emissions from MEG Plant which is located at Rabigh Petrochemical cluster in Saudi Arabia and has a capacity of 600,000 metric tonnes per year. The plant is expected to be fully operative by Q2 2023 and will be the first CO2 capturing plant in the Western Region of Saudi Arabia.- **4th April 2022**
- **NEOM - NEOM City: Oxagon: Water Transmission Pipeline**
 Saudi Arabian NEOM is planning to undertake the construction of a water transmission pipeline at the Oxagon (also known as NEOM Industrial City) as a part of the NEOM City Development Program in Tabuk Province, Saudi Arabia. The pipeline will link the Neom Oxagon desalination plant to the town of Gayal. The NEOM City is being established in the north-western region of Saudi Arabia and will include territory from within the Egyptian and Jordanian borders. It will be extended over 468km coastline along Red Sea and the Gulf of Aqaba and the total area will be 26,500km². Award Date July 2022.-**1st April 2022**
- **Saudi Aramco - Uthmaniyah-Abqaiq Pipeline System Upgrade**
 Saudi Aramco is planning to undertake the upgrade of the Uthmaniyah to the Abqaiq pipeline system to revamp its gas transport infrastructure in Dammam, Saudi Arabia. The project includes 1. Construction of gas compressor stations. 2. Laying of natural gas pipelines. 3. Construction of sub-transmission stations and pigging stations. 4. Installation of valve stations Award Date October 2021 Contract Value \$106 m.- **7th April 2022**
- **Saudi Aramco – Dammam Crude & Gas Development**
 Saudi Aramco is planning to undertake the construction of a Crude and Gas Development Project in Dammam, Saudi Arabia. The project includes 1. Construction of gas compressor stations.2. Laying of natural gas pipelines.3. Construction of sub-transmission stations and pigging stations.4. Installation of valve stations. Contract Value \$80 m Award Date October 2021.-**7th April 2022**
- **Saudi Aramco Awards \$300Million Contract to NESR**
 National Energy Services Reunited Corp. (NESR) has announced that the company has been awarded one of the major contracts for Integrated Rig-less Stimulation and Testing Services (Conventional Fracturing) in Saudi Arabia. The value of the contracts are approximately USD \$300 million. The contracts was awarded by Saudi Aramco. These contracts are for a total period of three years with an option for a further extension of two years covering fracturing, testing, wireline, coiled tubing, slickline services and all associated chemistry, logistics and site services to conduct these operations. **.18th April 2022**
- **Saudi Aramco - SWRO Plant at Zuluf Oil Field**
 Saudi Aramco is planning to construct a sea water reverse osmosis (SWRO) plant with a design capacity of 490,000 m³/day at the Zuluf Oil Field, Saudi Arabia. Project consists of 1. Construction of a sea water reverse osmosis plant.2. Construction of a storage tank.3. Civil works.4. Installation of pumps.5. Construction of associated facilities Award Date July 2022.- **18th April 2022**
- **NWC awards \$427m New Water Projects in Jeddah**
 The National Water Company (NWC), Saudi Arabia announced awarding 15 new contracts, to implement projects that support the infrastructure of its water system in Jeddah Governorate, at a cost of more than 1.6 billion Saudi Riyals.The company said that the new contracts included implementation of seven projects at a cost of more than 1.3 billion Saudi Riyals, including main and transmission lines of lengths exceeding 154 km, in various diameters, over a period of 24 to 36 months. NWC explained that the projects would link the transmission lines and strategic and

operational tanks in the governorate to the distribution system, in order to serve several districts in Jeddah, including Hamdaniya, Al-Falah, Al-Rahmaniya, Al-Bashayer and Taiba, all the northern districts of Abhor, the southern Abhor district, and the north-central and south-central districts. The company indicated that the other eight contracts, which cost about 339 million Saudi Riyals, include the implementation of water sub-networks of lengths exceeding 704 kilometers, to serve the districts of: Zomorrod Plot north of Abhor, Lolou plot north of Abhor, and parts of Al-Khumriyah district north of Garnioyah, south of Jeddah, Al-Yaqout plot north of Sharm Abhor, the Alajaweed plot, the plot between Al-Ajaweed and Prince Fawaz 1.2, and the Al-Qarniya district, and Al-Fadhila plot. NWC added that these contracts would have the effect of increasing the coverage of water services in the targeted districts. - **20th April 2022**

- **KBR Wins General Maintenance Services Contract from Saudi’s SATORP**

KBR announced that it has been awarded a 7-year contract with an option to extend for another 3 years, for the provision of General Maintenance Services (GMS) by Saudi Aramco TOTAL Refining and Petrochemical Company (SATORP), for its project in Jubail, Kingdom of Saudi Arabia. Under the terms of the contract, KBR will provide preventive, predictive, corrective, and shutdown maintenance services at the refinery, with a focus on continuous improvement and sustainable asset performance. - **20th April 2022**

- **Bidders Pre Qualified for 100km Rayis – Rabigh IWTP Project**

Saudi Water Partnership Company (SWPC) announces the Pre-Qualified Bidders for the development of Rayis – Rabigh Independent Water Transmission Pipeline (IWTP) project. The project involves the construction of water transmission pipeline of capacity up to 900,000 cubic meters per day, and lengths of **100 km**. Following is the list of Pre-qualified bidders: - **20th April 2022**

1	Abdul Aziz Al Ajlan Sons Co. for Commercial & Real Estate Investment – Ajlan & Bros
2	Abu Dhabi National Energy Company, PJSC (TAQA)
3	Al-Fahd Company Trading Industries & Contracting
4	Alkhorayef Water & Power Technologies
5	Al-Rawaf Contracting Company
6	China Harbour Engineering Company Ltd (CHEC)

- **Bidders Pre Qualified for 603km Jubail – Buraydah Independent Water Transmission Pipeline**

Saudi Water Partnership Company (SWPC) announces the Pre-Qualified Bidders for Riyadh – Qassim Independent Water Transmission Pipeline (IWTP) project. The project involves the construction of water transmission pipeline of capacity up to 685,000 cubic meters per day, and lengths of **1,392km**. Following is the list of the pre-qualified bidders: SWPC advised by Synergy Consulting IFA Inc. (as Lead and Financial Adviser), Amer Al Amr Law Firm (as Legal Adviser) and Fichtner GmbH & Co. KG (as Technical Adviser). The term of the WTA is expected to be up to 35 years.- **20th April 2022**

IRAQ

- **Iraqi Drilling Company signs Partnership Contract with SOCAR**

The Iraqi Drilling Company (IDC) has signed a partnership contract with SOCAR, the state-owned oil and gas company of Azerbaijan, for drilling and oil-field services. The Director General of the company, Bassim Abdul Karim, said that the contract involves collaboration in the field of drilling and reclamation of oil wells, noting that the term of the contract is three years, and may be extended. The agreement follows a visit by Iraq's Oil Minister, Ihsan Abdul-Jabbar Ismail, to

Azerbaijan in September, and a visit by the General Director of Iraqi Drilling Company (IDC), Basim Abdulkareem, to SOCAR's headquarters in January. -**30th March 2022**

- **Chinese consortium awarded \$412mn contract for Iraqi natural gas processing facility**
Contract awarded by Kuwait Energy to CAMC-CNOOC Petrochemical Engineering consortium. A consortium of China CAMC Engineering Co (CAMCE) and CNOOC Petrochemical Engineering Co. (CNOOC Petrochemical Engineering) has been awarded an engineering, procurement, and construction contract worth \$412 million by Kuwait Energy Basra Co (Kuwait Energy) for a 130 million standard cubic feet per day natural gas processing facility in Basra, Iraq. The gas processing facility is for the Block 9 area operated by Kuwait Energy, CAMCE said in a Chinese language stock exchange statement on Wednesday, adding that the contract duration is 30 months. - **6th April 2022.**
- **Al Muthanna Investment Commission - Samawa Steel Factory**
Al Muthanna Investment Commission is undertaking the construction of a steel plant in Al- Najmi district of Al-Muthanna province on an area of 50 acres. The project will be implemented in two phases of which the first phase will be completed within one year and the second phase will be implemented within 2 years after the completion of the first phase. The project includes 1. Construction of processing units. 2. Construction of production units 3. Establishment of a powerplant (50 megawatts) 4. Construction of distribution units 5. Construction of cold rolling mill Contract Value \$60 m Award Date June 2021. - **12th April 2022.**
- **SCOP - Iraq Strategic Crude Oil Export Pipeline: Najaf - Aqaba Pipeline**
Iraq State Company for Oil Projects (SCOP) is planning to undertake the construction of a Najaf – Aqaba Pipeline program from Iraq to Jordan. The SCOP planned export schemes are from Basrah to Jordan, Syria and Turkey. Phase 1 of the SCOP Export plan, is the installation of a new crude oil export pipeline, from Basrah to the Port of Aqaba, in Jordan. A 2.25 million bpd, 682km pipeline from Basrah (PS1A) to Najaf (K3) in the North of Iraq A 1.0 million bpd, 1,000km pipeline from Najaf, Iraq to the Port of Aqaba, Jordan The current profile includes the portion between Najaf to Aqaba June 2023. - **19th April 2022**
- **MoO - Iraq Strategic Crude Oil Export Pipeline: Basra - Haditha Pipeline**
Iraq Ministry of Oil (MoO) is planning to develop the strategic crude oil export pipeline from Iraq to Jordan. The pipeline will have a capacity of transporting 1 million BPD of oil. (EPCF Contract). The current profile covers the line from Basra to Haditha. 1. Laying of 655km pipeline of 56 inches. 2. Construction of compressor stations. 3. Installation of an inlet manifold. 4. Installation of metering stations. 5. Installation of associated facilities Award Date April 2023. - **19th April 2022**

EGYPT

- **SDX announces gas discovery at South Disouq in Egypt**
UK-headquartered SDX, an international oil and gas exploration with a principal focus on Mena, has announced a gas discovery at the SD-5X exploration well which targeted the Warda prospect in the South Disouq development lease. SD-5X spudded on March 4 and reached TD at 7,855ft MD on March 16 which was on time and within budget. The primary basal Kafr El Sheikh target was encountered at 6,973ft MD and discovered 55.5ft of net pay gas sand with an average porosity of 26.3%, all of which were in line with pre-drill estimates. – **24th March 2022**
- **Egypt's petroleum ministry reinforces cooperation with Chevron**
Egyptian Ministry of Petroleum and Mineral Resources is mulling over reinforcing the partnership with Chevron Corporation in the oil field and development of fuel stations, according to an official statement by the ministry. Chevron has a significant opportunity to boost cooperation with the Egyptian oil sector as the local market is competitive and able to accommodate various petroleum products, petroleum minister Tarek El-Molla said during his meeting with Vice President, fuels and lubricants, at Chevron Rochna Kaul. During the meeting, the American energy corporation has

	<p>shown interest in partnering up with oil companies operating in the field of developing integrated fuel stations. The company also aims at increasing its oil production in Egypt, as well as raising its exports to global markets by selling “Made in Egypt” labelled products, El-Molla noted. For her part, Kaul said that Egypt is Chevron’s gate to Africa regarding exports, adding that the company seeks to have Egypt as its pivotal business hub in the region, particularly in terms of exports.- 24th March 2022</p> <ul style="list-style-type: none"> • <u>ASPC - 500MW PV Power Plant in Kom Ombo</u> Abyodos Solar Power Company is planning to construct a power plant in Kom Ombo, Aswan Governate, Egypt.Abyodos Solar Power Company (ASPC), a subsidiary owned by AMEA Power will build own and operate the 500MW solar project. The project includes 1. Installation of solar arrays on support structures.2. Installation of PV module on the rack.3. Installation of cables.4. Installation of a solar tracking system.5. Installation of an inverter.6. Installation of meter.7. Construction of two-sided solar panels Award Date April 2022.-30th March 2022
JORDAN	<ul style="list-style-type: none"> • <u>MWI - Aqaba-Amman Water Desalination and Conveyance (AAWDCP)</u> The Ministry of Water and Irrigation (MWI) is planning the construction of the Aqaba-Amman Water Desalination and Conveyance Project (AAWDCP) in the Hashemite Kingdom of Jordan.The AAWDCP project will be implemented in two phases. The BOT contractor will be required to provide the Government of the Hashemite Kingdom of Jordan (GOJ) with 130 mcm/year of domestic water in Phase I to meet its future needs for year 2025. The Phase I water source will be 100 mcm/year from desalinated water and 30 mcm/year from groundwater.Phase II of the project will be implemented in incremental increases to the system capacity up to 220 mcm/year. .As of June 2021, the first phase will involve the construction of 280,000 cubic metres a day (cm/d) of capacity for desalination and 80,000 cm/d of ground water.The second phase will consist of raising the plant’s overall production to 600,000 cm/d Award Date January 2023 - 28th March 2022.

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