

GERAB

BULLETIN

Weekly News



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

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

NEWS OF THE WEEK

GULF COOPERATION COUNCIL (GCC)

UAE	<ul style="list-style-type: none"> 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
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	<p>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</p> <ul style="list-style-type: none"> • <u>Chinese cable supplier hired for major ADNOC oil and gas projects</u> 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 • <u>ADNOC Offshore - Replacement of COS Tanks Inlet Piping & Critical Piping System</u> ADNOC Offshore is planning to undertake the replacement of the COS tanks inlet piping system at Das Island in the UAE. Crude Oil Storage Tanks Inlet Piping Project includes .1. Replacement of crude oil storage tanks inlet piping from 18 inches to 30 inches.2. Replacement of all instruments, manual valves, expansion bellows, pipe supports, access platforms, foundations, bund/dyke wall crossings, piping, electrical, civil/structural items, etc. Award Date July 2022. -13th April 2022 • <u>ADPC - Kizad: Gas Distribution Network: Phase 2</u> 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 • <u>Adnoc - Mirfa Seawater Treatment Plant</u> Abu Dhabi National Oil Company (Adnoc) is planning to develop Mirfa planned seawater treatment under Project Wave in Abu Dhabi, the UAE. The project includes 1. Construction of a seawater treatment plant.2. Development of a nanofiltration plant with a capacity of 115 million imperial gallons a day.3. Construction of a pumping station Award Date August 2022.-19th April 2022 • <u>Emarat - Underground Natural Gas Pipeline in Fujairah</u> 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
BAHRAIN	<ul style="list-style-type: none"> • <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>KUWAIT</p>	<ul style="list-style-type: none"> <p><u>Mitsubishi HEISCO JV Submits lowest bid of \$298.3m for Sabiya Power Plant in Kuwait</u> 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</p> <p><u>KOC - Flowline Network and Associated Works in Umm Niqa and South Ratqa</u> Kuwait Oil Company (KOC) is planning the installation of the flowline network and associated works in Umm Niqa and South Ratqa, Kuwait. The 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. Award Date August 2022 .- 18th April 2022</p> <p><u>MEW - Upgrade & Development of Doha Western Power Station</u> 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</p> <p><u>KOC - Construction of Flowlines and Associated Works in West Kuwait Area</u> 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>
<p>OMAN</p>	<ul style="list-style-type: none"> <p><u>Maha Energy awards Drilling Contract to Global Business Services in Oman</u> 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</p> <p><u>OQ - Modification Project for Onshore Depletion Compression</u> Musandam Oil and Gas Company (OQ) is planning to undertake the construction of a modification project for onshore depletion compression at MGP in Oman. The project includes 1. Laying of pipelines.2. Mobilization and demobilization works.3. Installation of equipment.4. Construction of temporary facilities.5. Installation of safety and security systems.6. Construction of associated facilities. Award Date September 2022.- 14th April 2022</p>
<p>QATAR</p>	<ul style="list-style-type: none"> <p><u>European contractor lands key engineering contract for Qatar's offshore oil giant</u></p>

	<p>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.</p> <ul style="list-style-type: none"> <p>• <u>KAHRAMAA - Facility E IWPP 2600MW</u> Qatar's General Electricity and Water Corporation (Kahramaa) is planning the development of "Facility E" through Independent Power and Water Producers in the Madinat ash Shamal region, Qatar. The project will be located at Ras Abu Fontas which was earlier planned to be located at Ras Rakan. The minimum capacity of the facility is expected to be around 2000 to 2,600 MW and 100m gallons/day - 130m gallons/ day. The project includes 1. Construction of combined-cycle power blocks. 2. Construction of water desalination plant. 3. Water transmission lines Award Date July 2022. - 13th April 2022.</p> <p>• <u>Qatargas - Sulphur Storage and Export Facilities (EPC-4)</u> Qatargas is planning the construction of Sulphur Storage and Export facilities at Ras Laffan Industrial City (RLIC), Qatar. The project consists of 1. Construction of a sulphur storage tank with a capacity of 10,000 tonnes. 2. Laying of connecting pipelines. 3. Installation of a control system and valves. 4. Mechanical and instrumentation works. 5. Construction of associated facilities Award Date May 2022. - 14th April 2022</p> <p>• <u>Marafeq - Marina District Cooling Plant Phase 1 Expansion</u> 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. The 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. - 19th April 2022</p>
SAUDI ARABIA	<ul style="list-style-type: none"> <p>• <u>Saudi Aramco Awards \$300Million Contract to NESR</u> 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</p> <p>• <u>Saudi Aramco - SWRO Plant at Zuluf Oil Field</u> 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</p> <p>• <u>ACWA Power/NEOM/Air Products - NEOM HGF: Solar Power Park</u> A consortium of ACWA Power, NEOM and Air Products are planning to undertake the construction of solar park under renewable energy program as a part of NEOM Helios Green Fuels Project in Saudi</p>

Arabia. Project includes 1. Construction of Hydrogen Electrolysis Plant.2. Construction of a substation.3. Construction of a central control facility.4. Construction of access roads Award Date April 2022.- **19th 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**

ASIA EXCLUDING GULF COOPERATION COUNCIL (GCC)

INDIA

- India to Lead in New Pipeline Projects**
 India is likely to remain as one of the major countries to drive Asia’s new-build trunk / transmission pipeline additions, contributing about 37% of the region’s oil and gas pipelines projects count by 2026, says GlobalData, a leading data and analytics company. GlobalData’s latest report, reveals that out of 57 projects to commence operations by 2026 in India, gas pipelines projects would be at 30, product pipelines would be at 23, and oil pipelines at four. The Kandla–Gorakhpur product pipeline is one of the key projects with a length of 2,809 km and costing US\$1.4bn. The LPG pipeline would run from Kandla port in Gujarat state to Gorakhpur in the Uttar Pradesh state. The pipeline project would serve LPG bottling plants in the states of Gujarat, Madhya Pradesh, and Uttar Pradesh and meets growing demand for the commodity. The Jagdishpur–Haldia Phase II gas pipeline is also one of the key projects with a length of 1,900 km and estimated at US\$1.4bn.-**20th April 2022**

IRAQ

- Diwaniya Refinery Expansion Plans Approved**
 The Iraqi Cabinet has approved a plan to expand Diwaniya Refinery. According to details released from the cabinet meeting this week, capacity at the plant will be increase to nearly 70,000 barrels per day (bpd).-**14thApril 2022.**
- SCOP - Iraq Strategic Crude Oil Export Pipeline: Najaf - Aqaba Pipeline**
 Iraq State Company for Oil Projects (SCOP) is planning to undertaking the construction of a Najaf – Aqaba Pipeline program from Iraq to Jordon.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**

JAPAN

- TOYO wins biomass-fired power plant project in Japan**
 Toyo Engineering Corporation has been awarded a contract for a project to construct a 50,000-kW biomass power plant. This plant will be built in Tomakomai-shi, Hokkaido, Japan for Tomatoh Biomass Power GK. This project is to construct a dedicated biomass-fired power plant using wood biomass fuel. This power generation facility is a highly efficient biomass-fired plant based on the reheat system. TOYO will carry out the EPC contract on a full turn-key basis that includes engineering, procurement, construction and commissioning services for a power generation unit.-**19thApril 2022.**
- TotalEnergies, ENEOS to study SAF production at Negishi refinery**
 TotalEnergies and ENEOS announced a collaboration to jointly conduct a feasibility study to assess the production of sustainable aviation fuel (SAF) in ENEOS' Negishi refinery in Yokohama city, Japan. The companies have already started to conduct the study for feedstock procurement and

	<p>production of SAF related to this project. The proposed unit, which capacity would be 300,000 tpy of SAF, would process waste or residue sourced notably from the circular economy, mainly used cooking oil and animal fat. The two companies are considering establishing a new JV to produce SAF. In the airline industry, dealing with global decarbonization has become an urgent issue and SAF is expected to be an effective way to reduce CO₂ emission. In Japan, the Ministry of Land, Infrastructure, Transport and Tourism has set a target of 10% SAF use to be achieved by 2030.- 14thApril 2022.</p>
AFRICA	
ALGERIA	<ul style="list-style-type: none"> • <u>Ministry of Energy and Mining– 1000 MW Solar PV Park</u> Ministry of Energy and Mining, Algeria is planning to build a solar power plant in Algeria.The client has identified 11 sites with a total area of 4,250 hectares for the construction of the 1000MW solar power plant. The sites include locations in Algeria’s Bechar, El-Oued, El-M’Ghair, El-Bayadh, Ghardaia and Ouargla provinces.The solar PV plants will be build with capacities ranging from 50 to 300 MW. The appointed company will be responsible for the development of the project, including funding, design, and construction, operate, maintain and supply of equipment. A power purchase agreement will be signed for 25 years.1. Construction of a solar plant (50-300 MW).2. Installation of solar panels.3. Installation of inverters.4. Installation of transformers.5. Laying of transmission lines.6. Construction of related infrastructure Award Date July 2022.- 19thApril 2022.
LIBYA	<ul style="list-style-type: none"> • <u>AGOCO - Norm Handling Treatment Plant</u> Arabian Gulf Oil Company (AGOCO) is planning to develop a central Naturally Occurring Radioactive Material (NORM) treatment plant at the Messla field, Libya.The facility is being developed for the decontamination of NORM contaminated equipment. Tender Extension No. (MTC-26/2019).1. Installation of NORM contaminated equipment.2. Installation of submersible pumps.3. Installation of temporary storage units for waste after-treatment.4. Laying of pipelines.5. Construction of associated facilities. Award Date October 2022.-18thApril 2022.
AUSTRALIA	
AUSTRALIA	<ul style="list-style-type: none"> • <u>ExxonMobil starts pre-FEED studies for carbon capture and storage hub in Southeast Australia</u> ExxonMobil is beginning early front-end engineering design studies for a potential carbon capture and storage hub in Southeast Australia’s Gippsland basin, with a potential request for bids on the way. The US supermajor said it is still in discussion with local emissions-intensive industries that could source carbon dioxide for sequestration in the depleted Bream field in the Gippsland basin off the coast Victoria. Although it is still early in the pre-FEED process, ExxonMobil told Upstream that it will likely put out bids for engineering, procurement and construction contracts. The project could capture up to 2 million tonnes of carbon dioxide per year with a start date as early as 2025.-14th April 2022 • <u>All approvals ready for Australian well drilling to kick off next month</u> With all regulatory and environmental approvals in place, SapuraOMV, a partnership between Malaysia’s Sapura Energy and Austria’s OMV, is preparing to drill the Kanga-1 exploration well offshore Western Australia early next month. The upcoming Kanga-1 well is located in WA-412-P in the Northern Carnarvon Basin, offshore Western Australia.-18th April 2022 • <u>Viva to upgrade refinery with Australian government aid</u> Viva Energy said its board has given the go-ahead for a A\$300 MM (\$224 MM) upgrade of its Australian refinery, with more than a third of the cost to be provided by the Australian government. The upgrade is needed so Viva can produce ultra-low sulfur gasoline at its refinery near Melbourne, as agreed with the government last year under a \$1.8 B aid package to keep the country’s two

	<p>remaining refineries open at least until 2028. The government confirmed it would provide A\$125 MM each to Viva and Ampol Ltd to revamp their refineries to start producing the cleaner gasoline by 2024. Separately, Viva said it would buy chemicals maker LyondellBasell's Australian arm for up to A\$40 MM paid over six years. LyondellBasell Australia is the country's only producer of polypropylene, which is used to produce a range of plastic products from food packaging to bank notes.-13th April 2022</p>
EUROPE	
NORWAY	<ul style="list-style-type: none"> • <u>TechnipFMC scores iEPCI contract for Maria revitalization project</u> TechnipFMC has won an integrated engineering, procurement, construction, and installation (iEPCI) contract by Wintershall Dea Norge for the Maria revitalization project in the Norwegian Continental Shelf. The revitalization project will tie in an additional lightweight six-slot integrated template structure (ITS) and is set to boost production at the existing Maria field. Under the contract, TechnipFMC will deliver subsea trees, spools, jumpers, and flexible pipes.-20th April 2022
NORTH & SOUTH AMERICA	
BRAZIL	<ul style="list-style-type: none"> • <u>Shell and TotalEnergies win fresh exploration blocks offshore Brazil</u> Oil majors Shell and TotalEnergies have secured six and two offshore exploration blocks, respectively, in the Santos basin offshore Brazil as part of the country's latest bid round. Brazil's National Petroleum Agency, Natural Gas and Biofuels (ANP) on Wednesday held the public bidding session of the 3rd Cycle of the Open Acreage in the Concession Model. In the auction, 59 exploration blocks were acquired in 6 basins, generating R\$ 422.4 million in signature bonus – a premium of 854.84 per cent – and will result in at least R\$ 406.3 million in investments in the first phase of the contract alone (exploration phase. Shell Brasil will operate the blocks with a 70 per cent interest and pay a total of R\$ 98.158 million in subscription bonuses.-14th April 2022 • <u>Petro-Victory Energy acquires 19 Brazilian oil blocks, doubling company's total acreage</u> Petro-Victory Energy Corp. secured 19 new oil and gas blocks in the company's core operating area, the Potiguar Basin onshore Brazil, the company announced. This acquisition cements Petro-Victory's status as one of the largest landholders in the highly petroliferous basin. The 19 new blocks cover 128,080 acres (518 sq km) and are located adjacent to Petro-Victory's operating infrastructure at the Andorinha, Alto Alegre, and Trapia oil fields allowing for low-cost organic expansion. The Permanent Offer Round is a new initiative in Brazil which allows independent E&P companies to bid on blocks relinquished by Petrobras as they exit the onshore Brazil upstream market. The Permanent Offer Round was highly competitive with 79 E&P companies qualified by ANP to participate in the bid round. The closure and signing date for the 19 new blocks is expected in Q4 2022, with the initial signature bonus payable on completion estimated to be \$227,000 in addition to \$1.72 million in work program related guarantees.-18th April 2022
CANADA	<ul style="list-style-type: none"> • <u>Striding ahead: McDermott gets green light to start work on Canadian LNG project</u> Pacific Energy's 2 million tpa Woodfibre LNG in British Columbia is due on line in 2027. McDermott International has been given the go-ahead by Singapore's Pacific Energy to start work on the innovative 2.1 million tonnes per annum Woodfibre LNG in British Columbia (BC), Canada. Due on stream in 2027 and powered with renewable hydroelectricity, Woodfibre LNG is destined to be the lowest-emission LNG export facility in the world. McDermott, the project's prime contractor, has received a "notice to proceed," which is effectively an instruction to begin the work required to move the project toward major construction activities in 2023. LNG from this project will be shipped to Asia where it will replace coal-fired electricity. According to the project proponent, LNG produced at the Woodfibre facility will cut emissions by 3.5 million tonnes of carbon dioxide equivalent per year, which equates to about 5% of the Canadian province's annual emissions.-15th April 2022

USA	<ul style="list-style-type: none">• <u>Wood to engineer Total Eren’s large-scale green hydrogen project in Chile</u> Wood, a consulting and engineering company, will provide conceptual engineering for Total Eren’s H2 Magallanes Project, a large-scale green hydrogen production facility, to be in the commune of San Gregorio, in the Magallanes region, Southern Chile. With some of the best solar and wind resources in the world, Chile features among the most promising countries to develop competitive green hydrogen. The project ties in with Chile’s ambition to feature among global leaders in the production of green hydrogen via electrolysis, with a target of 25 GW by 2030. -14th April 2022• <u>Technip energies and alterra energy to jointly develop sustainable plastics projects</u> Combination of advanced recycling and purification technologies enable more efficient processing and reuse of hard-to-recycle plastic. Technip Energies and Alterra Energy (“Alterra”) today announced they have signed a global joint development and collaboration agreement to integrate Alterra’s commercially available liquefaction process technology with Technip Energies’ pyrolysis oil purification technology to maximize adoption of recycled feedstock and improve circular economy solutions for the global petrochemical industry. Technip Energies brings extensive knowledge of ethylene furnace and steam cracker design, preparation and purification of heavy feedstocks for refining and petrochemical facilities, all of which is combined in their Pure.rOil™ purification technology ensuring safe, reliable and an optimized integration with individual crackers. -14th April 2022• <u>Linde to continue expanding capacity in U.S. Gulf Coast</u> Linde announced it is expanding its La Porte, Texas, facility, effectively doubling the facility’s merchant liquid production capacity. Starting up in 2024, the increased capacity will help Linde to meet growing demand from the petrochemicals, clean energy, manufacturing, food and aerospace sectors in the U.S. Gulf Coast. It will also supply Linde’s existing Gulf Coast pipeline system, which includes nitrogen and oxygen pipelines extending from the Houston ship channel south to Freeport, Texas. -13th April 2022
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