

**GERAB****BULLETIN**

Weekly News

**COMMODITY UPDATES**

- The heavier-than-normal rainfall created havoc in Brazil last month and is showing up in the country's trade data, with January iron ore shipments coming in at the lowest level in at least six years. The adverse weather disrupted mines in Minas Gerais state, with companies including the world's No. 2 producer, Vale SA, halting operations in the first days of the year. The interruption cost about 1.8 million metric tons of exports from the state, which translated to a 13% decline in January shipments from a year ago.  
Source –Bloomberg
- Steel HRC (N. America) prices fell by more than 15%WTD and trading lower by 32% 6MTD. Iron ore trading at a price lower than the year ago prices by 13%. Chromium prices showing a downtrend and declined by 10% 3MTD.
- Crude oil Brent and Crude oil WTI prices are in uptrend and gained 25% 6MTD and 29% 6MTD respectively. Natural gas prices shot up by more than 30% WTD and trading higher by 72% than a year ago.

COMMODITY	UOM	Latest Price	WTD %	MTD %	3MTD %	6MTD %	YTD %
Chromium	USD/MT	10,342.69	-2.58	-3.61	-9.95	15.94	45.88
Coal	USD/MT	232.04	-7.39	0.28	35.52	25.03	165.07
Cobalt	USD/MT	75,464.23	0.29	0.96	18.96	45.56	59.57
Copper	USD/MT	9,678.50	1.87	-0.68	0.86	3.23	14.66
Crude Oil	USD/BBL	88.19	1.17	5.02	10.85	26.78	45.66
Crude Oil Brent	USD/BBL	88.67	2.42	4.39	10.37	25.01	42.34
Crude Oil WTI	USD/BBL	87.71	0.26	6.41	11.92	28.61	48.51
Iron Ore	USD/MT	138.79	7.81	8.16	46.99	-16.85	-13.37
Molybdenum	USD/MT	42,049.35	0.16	0.67	0.15	0.68	63.78
Natural Gas	USD/MCF	5.19	30.52	20.35	-3.21	24.86	72.07
Nickel	USD/MT	22,647.50	2.85	2.96	14.07	17.71	21.73
Steel HRC (FOB China)	USD/MT	759.64	2.67	1.32	-4.79	-18.27	17.91
Steel HRC (N. America)	USD/MT	1,422.81	-15.91	-8.63	-29.13	-31.91	8.87
Steel Rebar	USD/MT	808.44	0.37	4.18	-12.61	-9.76	12.85
Steel Scrap	USD/MT	496.25	5.29	5.87	4.47	5.38	10.95

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	17,67,813.00	-0.43	-1.15	-4.26	-6.41	-9.94

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	1.1298	1.36	0.00	-2.72	-4.81	-6.16
USDCNY	1 USD to CNY	China	CNY	6.3638	0.10	0.12	0.45	1.57	1.47

Source- Trading Economics

Source- Trading Economics / Wall Street Journal / CNBC

STOCK PRICES							
Name	Latest Value	Units	WTD%	MTD%	3MTD%	6MTD%	YTD%
ArcelorMittal SA	31.76	USD	10.72	-1.14	-4.98	-9.04	46.81
Glencore PLC	399.30	GBP	-0.97	6.49	12.32	20.96	60.39
NYSE American Steel Index	1,649.32	Index	6.52	4.42	6.90	-11.54	26.78
Rio Tinto PLC	5,355.00	GBP	-3.84	9.46	20.04	-14.74	-5.00
Tenaris SA	25.79	USD	5.07	18.23	13.99	23.79	58.58
Tubacex SA	1.64	EUR	3.80	3.27	-1.80	6.36	18.67

## INTERNATIONAL RIG COUNTS

- Rig counts in Africa region is in uptrend and have gone up by 14% 3MTD and the count is still higher by 69% YTD. Going by the table we see a definite increase in rig count in North America region and is up by more than 22% MTD and 29% 6MTD.

ACTIVE RIG COUNTS BY REGION						
Region	Latest Count	WTD %	MTD %	3MTD %	6MTD %	YTD %
United Arab Emirates	42	*	-2.33	10.53	-6.67	5.00
GCC	189	*	3.28	5.59	5.59	6.18
Middle East	282	*	2.17	4.83	7.63	16.53
Africa	81	*	3.85	14.08	39.66	68.75
Asia-Pacific	180	*	-0.55	2.27	7.14	19.21
Europe	105	*	7.14	7.14	10.53	25.00
Latin America	157	*	1.95	12.95	10.56	44.04
North America	827	1.35	22.34	16.48	29.22	48.47
Total	1,632	*	11.55	11.55	19.56	37.03

Source- Baker Hughes

(\* ) No weekly data available for those particular regions

## NEWS OF THE WEEK

## GULF COOPERATION COUNCIL ( GCC)

UAE

- **WABAG awarded \$100m Contract in UAE**  
WABAG, India announced in a statement that it has secured an order towards engineering and procurement activities in relation to 120 Million Gallons Per Day (MiGD) Hassyan Sea Water Reverse Osmosis ('SWRO') in the United Arab Emirates ('UAE'). The value of the contract is about USD 100 Million. The order was received from Green EPC (a Utico FZC subsidiary) who is the prime EPC contractor for this project. Dubai Electricity and Water Authority ('DEWA') selected Utico FZC as the preferred bidder to build the SWRO plant and operate it over a period of 35 years, under the Independent Water Producer ('IWP') model, wherein DEWA will off-take 100% of water from this plant. The desalination plant is planned to be commissioned in phases by March 2024 and shall be the largest IWP in Dubai. **30 January , 2022**
- **SEWA starts trial operation of Layyah Power Station**  
The Sharjah Electricity, Water and Gas Authority (SEWA), UAE announced in a statement that it has begun the trial operation of the first gas-fired unit to generate electricity with a capacity of 345 megawatts, as part of the AED 2 billion expansion and development project of Layyah Power Station. HE Saeed Sultan Al Suwaidi, Chairman of SEWA, stressed that the project culminates the authority's nonstop efforts to develop power stations, in accordance with the 2030 strategy to increase the installed production capacity to 4600 megawatts and raise the operational efficiency to more than 60%. This will certainly have a huge impact on reducing carbon emissions and conserving energy resources. Earlier during 2019, SEWA awards 1,026.3 MW Gas Turbine Combined Cycle (GTCC) Layyah power plant to the consortium of Japan's Mitsubishi Hitachi Power Systems, Ltd. (MHPS) and Egypt's ELSEWEDY ELECTRIC. **30 January , 2022**
- **Abu Dhabi: Adnoc kicks off fresh bid process for Lower Zakum offshore project**  
Expansion is a key part of emirate's strategy to ramp up oil production capacity to 5 million bpd. Abu Dhabi National Oil Company (Adnoc) has kicked off a bid process for an engineering, procurement, construction and installation contract for further development at its huge Lower Zakum offshore oilfield. Multiple people familiar with the development told Upstream that the state-owned company recently floated expressions of interest (EoIs) for the job. New Main Gas Pipeline project is part of the first phase of Adnoc's Lower Zakum long-term development plan (LTDP-1). Project watchers said Adnoc wants additional bidders to participate, and the new EPCI process is aimed at widening the bidders' list and optimising costs. Those said to have responded to the EoIs include Saipem, NPCC, Oslo-listed Subsea 7 and a grouping of the United Arab Emirates' Target Engineering with Valentine Maritime, project watchers said. Indian engineering giant Larsen & Toubro and McDermott International of the US are also believed to have received EoIs, but are unlikely to participate, sources suggested. **1 February 2022**
- **SEWA - Kalba Lagoon Carbon Steel Pipeline**  
Sharjah Electricity, Water & Gas Authority(SEWA) is undertaking the construction of a 400NB Carbon Steel Pipeline at Kalba Lagoon Project in Ash Shariqah, UAE. The project includes Installation of the 400NB carbon steel pipeline, Installation of pumps, Installation of tanks, Construction of water tunnels, Construction of thrust block, Excavation works, and Construction of associated facilities, Contract Value\$20 m Award Date-January 2022. **2 February 2022**

SAUDI ARABIA

- **Saudi Arabia awards FEED contract for ammonium nitrate plant**  
Modern Chemicals Company, a sister company of Modern Industrial Investment Holding Group, Saudi Arabia commissioned the front-end engineering and design (FEED) works for its 300,000 MT technical-grade ammonium nitrate (TAN) plant project in Saudi Arabia. The FEED works will be done by the consortium of thyssenkrupp Uhde (Germany) and Orascom Construction (Switzerland/Egypt). The FEED contract was signed during the Future Minerals Forum in Riyadh,

Saudi Arabia in the presence of the H.E. the Vice Minister of Industry and Mineral Resources for Mining Affairs, Eng. Khalid S. Mudaifer. **29 January, 2022**

- **Schlumberger to roll out valves production line in Saudi Arabia as Aramco relationship deepens**  
US oilfield services company Schlumberger will open a valves production facility at King Salman Energy Park, also known as SPARK, on Jan. 31 through its subsidiary company, Cameron. The firm already produces some of its materials in Saudi Arabia, including downhole tools, drilling chemicals, screens and valves. Speaking to Arab News on the sidelines of the In Kingdom Total Value Add forum held in Dhahran, Schlumberger's managing director in Saudi Arabia, Ziad Jeha, talked up the importance of Cameron's relationship with Saudi Aramco. "This is again a product that is used by Saudi Aramco, namely in facilities and other process systems, and these valves range from two inch up to 42 inches and go up to 40 tons in weight," said Jeha. **28 January 2022**
- **Saudi Arabia-Kuwait eyeing future project developments at the joint Neutral Zone oilfields**  
Saudi Arabia and Kuwait are aiming to develop future projects at the two oilfields in the Neutral Zone region that is owned by the two Persian Gulf neighbors. A joint committee involving officials from the two countries met this week to explore upcoming project plans at the two oilfields, aimed at boosting production from the joint region that is also known as the "Divided Zone," Kuwait's official news agency KUNA said. **2 February 2022**
- **Saudi Aramco - Zuluf Oil Field Development: Offshore: Trunk Lines (CRPO 79)**  
Saudi Aramco is planning to undertake the construction and installation of trunk lines in the Zuluf Field in Saudi Arabia. The project includes ,Construction and installation of two 42-inch oil trunk lines and one 42-inch water injection south flank in scrapper areas, Construction and installation of two 42-inch onshore oil trunk lines (east and west) and one 42-inch onshore water injection south flank, Construction and installation of two 42-inch offshore oil trunk lines (east and west) and one 42-inch offshore water injection south flank,and Construction of associated facilities Contract Value\$640 m Award Date December 2021. **31 January 2022**

**ASIA EXCLUDING GULF COOPERATION COUNCIL (GCC)**

IRAQ

- **Chinese Consortium wins \$594m Iraq Oil Processing Contract**  
Kuwait Energy Basra Limited (KE Basra), an indirect wholly-owned subsidiary of Hong Kong-based United Energy Group (UEG), has entered into the EPCC (engineering, procurement, construction and commissioning) contract with a Chinese consortium to provide a central processing facility including oil treatment system and auxiliary systems at Block 9 in Basra. The contractor is a consortium formed on 31 December 2020 and consisting of China CAMC Engineering and CNOOC Petrochemical Engineering. The foundation stone for the project has just been laid). The main purpose of this central processing facility project is to increase crude oil production capacity of Block 9 to 100,000 barrels per day (bpd). **27 January 2022**
- **French Oil Consultancy Wins Iraq Contract**  
French-based petroleum consultancy Beicip Franlab has signed a deal to provide consultancy services to the Iraqi Oil Ministry's Reservoirs & Fields Development Directorate. The Minister of Oil and President of Iraqi National Oil Company (INOC), Ihsan Abdul-Jabbar Ismail, said that Franlab will give advice that can be used to develop the oil sector, stating that the contract will help the Ministry of Oil and the oil companies to make the right decisions to develop the oil reservoirs in the interest of the national economy and the development of the oil and gas industry in the country. The French ambassador to Baghdad, Eric Chevalier, said the signing marks a new stage in the development of relations with Iraq in the field of oil, gas and energy. The Representative of Beicip Franlab, Thierry Le Maux, said the deal will help extend the life of the oil and gas fields. **20 January 2022**

	<ul style="list-style-type: none"> <li> <b><u>Deal Signed to Develop Iraq's Mansuriya Gas Field</u></b>            The Chinese company Sinopec (China Petroleum &amp; Chemical Corporation) has signed a deal to develop the Mansuriyah gas field in Diyala. The field, near the Iranian border, is expected to produce 300 million standard cubic feet (Mmscf) per day of gas, which will be used for electricity generation and "various industrial projects". With an area of 150 km<sup>2</sup> and gas reserves estimated at 4.5 trillion standard cubic feet, Mansuriyah is the second largest gas field in Iraq, after the Akkas field in Anbar Province. Sinopec will have a 49-percent interest in the field, with Iraq's state-owned Midland [Middle, Central] Oil Company having 51 percent. Previous information suggested that the contract will run for 25 years, and may be extended for an additional five years. <b>24 January 2022</b> </li> </ul>
INDIA	<ul style="list-style-type: none"> <li> <b><u>L&amp;T scoops ONGC offshore contract for west coast fields</u></b>            Larsen &amp; Toubro (L&amp;T) has won a "large" contract for the seventh development phase of Oil &amp; Natural Gas Corporation (ONGC)'s Pipeline Replacement Project (PRP-7), offshore western India. The Indian engineering and fabrication giant, which defines a large contract as one valued at 25 billion rupees (\$333 million) to 50 billion rupees, said its wholly owned subsidiary L&amp;T Hydrocarbon Engineering was awarded the work. The contract involves engineering, procurement, construction, installation and commissioning of 350 kilometres of subsea pipelines and related offshore works. Although the company did not disclose the exact value of the contract, Upstream understands that it could be worth close to \$500 million. <b>28 January , 2022</b> </li> </ul>
MYANMAR	<ul style="list-style-type: none"> <li> <b><u>TotalEnergies - Siemens - Kanbawk LNG Power Plant - Overview</u></b>            French company Total and Germany's Siemens will install 1,230 megawatt (MW) of capacity in 48 months. LNG power plants are located in Kanbawk, Tanintharyi Area and the 615MW first phase will come online in three years. The project is for importing LNG which will be converted to gas to fuel the power plant. It is specifically designed to meet Myanmar's energy demand. <b>27 January, 2022</b> </li> <li> <b><u>TTCL - Ahlone LNG Power Plant</u></b>            TTCL, a joint venture between Italian-Thai Development and Toyo Engineering Corporation is developing a 356 megawatt (MW) LNG plant as the second phase to their original 121 MW combined-cycle power plant in Ahlone Township, Yangon. <b>31 January , 2022</b> </li> </ul>
MALAYSIA	<ul style="list-style-type: none"> <li> <b><u>Petronas offers 14 exploration blocks in Malaysia Bid Round 2022</u></b>            Malaysia's state energy firm Petronas has put 14 exploration blocks on offer in its annual bid exercise, Malaysia Bid Round 2022 (MBR). The 14 blocks are located in geological provinces within the Malay, Sabah, and Sarawak basins. A majority of these blocks host existing oil and/or gas discoveries that are expected to accelerate monetization activities. The offering was launched in an event that was attended physically and virtually, by more than 1,300 potential and existing investors. <b>28 January, 2022</b> </li> <li> <b><u>EnQuest Taps Uzma for Offshore Well Work in Malaysia</u></b>            Oil company EnQuest has awarded a contract to the Malaysian oilfield services company Uzma Engineering for the provision of a hydraulic workover unit for EnQuest's 2022 workover program in Malaysia. Uzma's work scope includes integrated hydraulic workover unit services for EnQuest's workover recompletion and well abandonment campaign at offshore Peninsular Malaysia. The campaign will cover up to three platforms and up to twelve wells operated by EnQuest. Work is expected to start in March 2022 and be completed in October 2022. <b>28 January, 2022</b> </li> </ul>

	<ul style="list-style-type: none"> <li> <b><u>Petronas partners with Japan's Japex to explore Malaysian carbon capture opportunities</u></b>            The two companies will carry out technical maturation activities to unlock potential CCS solutions in Malaysia and abroad. Malaysian state-run oil giant Petronas has partnered with Japan Petroleum Exploration (Japex) to pursue carbon capture and storage (CCS) opportunities. The pair signed a memorandum of understanding late last week that will see the two companies carry out technical maturation activities to unlock potential CCS solutions, including suitable carbon dioxide storage locations in Malaysia. <b>31 January 2022</b> </li> <li> <b><u>Maersk Drilling wins extra work for drillship in Malaysia</u></b>            Danish offshore drilling contractor Maersk Drilling has secured a contract extension for a drillship operating offshore Malaysia. Maersk said on Tuesday that the first option will be novated to TotalEnergies for the drilling of one deepwater well at the Tepat project, while the second option will be novated to Petronas Carigali for the drilling of one deepwater well at the Layang-Layang project; both projects are located off the coast of Sabah. The extensions have a total estimated duration of 120 days and are expected to start in July 2022, in direct continuation of the rig's prior work scope with SSB/SSPC. The total contract value of the extensions is approximately \$32 million, including fees for the use of managed pressure drilling. <b>1 February , 2022</b> </li> </ul>
THAILAND	<ul style="list-style-type: none"> <li> <b><u>Thailand's PTT lets contract for new Rayong gas processing plant</u></b>            PTT, through its contractor, has let a contract to Lummus Technology to deliver technologies and other services for units to be included as part of a grassroots natural gas processing plant to be built at the operator's existing complex in Map Ta Phut, Rayong Province, Thailand. The technology licensing contract to Lummus follows PTT's announcement on Sept. 23, 2021, of its \$282-million contract award to the CCC-JV consortium of CPP, CPPB, and CPECC to serve as main engineering procurement, and construction (EPC) contractor on the GSP-7 project. Scheduled for startup in 2023, GSP-7 will be followed by commissioning in 2025 of the operator's proposed GSP-8, according to the operator's latest presentation to investors. <b>28 January 2022</b> </li> </ul>
<b>AFRICA</b>	
EGYPT	<ul style="list-style-type: none"> <li> <b><u>Egypt approves H2 Industries' \$3bn waste-to-hydrogen plant</u></b>            The project at the northern entrance of the Suez Canal will produce 300,000 tonnes of green hydrogen a year. Egypt's Suez Canal Economic Zone has given H2 Industries preliminary approval for a \$3 billion waste-to-hydrogen plant in East Port Said. "The exciting part of the project is that it is the first big-scale, waste-to-hydrogen plant for a huge amount of hydrogen," Michael Stusch, executive chairman and chief executive of H2 Industries, <b>1 February 2022</b> </li> </ul>
MOZAMBIQUE	<ul style="list-style-type: none"> <li> <b><u>GL Finalises Concession for Nacala LNG power plant in Mozambique</u></b>            Great Lakes (GL) Africa Energy has agreed to finance and operate a 250 MW Nacala liquefied natural gas (LNG) power plant in the Nampula province in northern Mozambique under a concession agreement with the Mozambique government. Mineral Resources and Energy Minister Ernesto Max Elias Tonela and GL Africa Energy head Michael Kearns inked the deal in Maputo in November. GL Africa Energy is a <u>Janus Continental Group (JCG)</u> subsidiary, a global holding firm with market-leading businesses in oil, power generation, infrastructure building, hotel, and real estate. The agreement marks the start of a \$400 million three-part phased investment. Within 16 months, a \$90-million investment will provide 50 MW of capacity. The second and third stages will add 200 MW and will be finished in less than a year. It signals one of Mozambique's most significant energy infrastructure projects in the recent decade. The acquisition is GL Africa Energy's largest power plant investment to date, and it expands the         </li> </ul>



	<p>company's activities in the Great Lakes and Southern Africa areas to eight nations. <b>27 January 2022</b></p> <ul style="list-style-type: none"> <li>• <b><u>TotalEnergies aims to restart \$20 billion Mozambique LNG project in 2022</u></b> TotalEnergies CEO Patrick Pouyanne said on Monday the French firm aimed to restart a \$20 billion liquefied natural gas (LNG) project in the north of Mozambique that was halted by an insurgent group with links to Islamic State almost a year ago. When I will see that life is back to normality, which means having some state services and population, then the project can restart," Pouyanne said on a visit to Mozambique on Monday. "My objective is that we will restart in 2022." TotalEnergies had intended for the project to produce its first cargo in 2024. <b>1 February 2022</b></li> </ul>
MOROCCO	<ul style="list-style-type: none"> <li>• <b><u>ONEE to Construct Seawater Desalination Plant in Casablanca, Morocco</u></b> Office National de l'Électricité et de l'Eau (National Office of Electricity and Drinking Water, ONEE)-water branch has announced plans to construct a seawater desalination plant in Casablanca, a port city and commercial hub in western Morocco. Strategically located near the center of Sidi Rahhal, approximately 40 km southwest of Casablanca the facility, which will desalinate water from the Bouregreg and Oum Er Rbia basins, will have a capacity of 200 million m3 per year, expandable to 300 million m3 per year. Upon completion, it is expected to improve the supply of drinking water to the populations of the cities of Casablanca, Settat, Berrechid, Azemmour and El Jadida. <b>26 January 2022</b></li> </ul>
NAMIBIA	<ul style="list-style-type: none"> <li>• <b><u>Shell Is Betting Big On Namibia's Oil Boom</u></b> Shell made a discovery announcement at its offshore Graff-1 well in Namibia. The Graff-1 well results showed at least two reservoirs containing what Reuters sources have called "a significant amount of oil and gas", which we estimate could be worth up to \$29 billion at \$88 oil. The government of Namibia is expected to make an announcement on the details of Graff-1 next week, while Namibia's Minister of Energy and Mines said it was in the final stages of data collection to thoroughly assess the find's potential. Like Shell, Total began drilling in its Venus-1 exploration block—close to Shell's discovery—in December. Venus-1 is Namibia's deepest water exploration well to date, and according to <u>IHS Markit</u>, is "one of the most anticipated wells worldwide."<b>02 February 2022,</b></li> </ul>
RWANDA	<ul style="list-style-type: none"> <li>• <b><u>TotalEnergies signs "energy sector" deal with Rwanda</u></b> TotalEnergies has inked a deal with Rwanda's government to collaborate on a wide range of energy projects, including nature-based carbon storage solutions. Rwanda – whose armed forces are heavily involved in fighting an Islamist insurgency in Mozambique that forced TotalEnergies to declare force majeure last year on its \$20 billion Mozambique LNG project – relies on methane gas from Lake Kivu, hydroelectricity and biomass to meet its growing power needs. <b>31 January 2022</b></li> </ul>
UGANDA	<ul style="list-style-type: none"> <li>• <b><u>Final decision on \$10bn Uganda oil project</u></b> The joint venture partners in Uganda's Oil and Gas sector have made the Final Investment Decision (FID) today. "The milestone marks a firm commitment from the IOCs to proceed with Uganda's oil and gas projects and launches the major construction works," Energy Minister Ruth Nankabirwa said at the FID ceremony at Kololo on Tuesday.TotalEnergies Chairman and CEO Patrick Pouyanne added that, "this is a day of happiness for Joint venture partners in the Lake Albert Development projects, and also for the people of Uganda and Tanzania, as we announce</li> </ul>

	<p>the Uganda Oil FID and commitment to invest \$10 Billion Dollars for development of Tilenga, Kingfisher and the EACOP. <b>1 February 2022</b></p>
ZIMBABWE	<ul style="list-style-type: none"> <li>• <b><u>Ziminya dam project for Matabeleland in Zimbabwe</u></b> The government is building a new 98 million cubic metre Ziminya dam in Nkayi district, making it Matabeleland's third large water body under development. Gwayi-Shangani Dam in Matabeleland North and Tuli-Manyange Dam in Matabeleland South are both being built by the Zimbabwe National Water Authority (Zinwa). The Gwayi-Shangani Dam's completion would alleviate Bulawayo's persistent water problems while also creating a greenbelt in the region. Treasury had set up \$1,5 billion in the national budget to begin building the Ziminya Dam in Nkayi. <b>27 January 2022</b></li> </ul>
<b>AUSTRALIA</b>	
AUSTRALIA	<ul style="list-style-type: none"> <li>• <b><u>UK contractor wins umbilicals deal for Aussie offshore project</u></b> UK services player JDR has been awarded a contract by Beach Energy for subsea works related to the expansion of the Otway Gas Project offshore south-east Australia. <b>2 February 2022</b></li> <li>• <b><u>BP targeting renewable fuels and green hydrogen future for former Australian refinery</u></b> UK energy giant is just months away from entering FEED on its planned development to help decarbonise Western Australia's largest industrial cluster. UK supermajor BP is making steady progress with plans to produce renewable fuels and green hydrogen at a former oil refinery site in Kwinana, Western Australia. Speaking at an Energy Club WA event this week in Perth, Justin Nash, senior manager City &amp; Corporate Integrated Solutions at BP, told delegates that the company would be approaching the front-end engineering and design phase of the project within months. <b>3 February 2022</b></li> </ul>
<b>EUROPE</b>	
NORWAY	<ul style="list-style-type: none"> <li>• <b><u>Norway oil and gas operator Vaar Energi launches tender with new contracting model</u></b> Vaar Energi has launched a tender for a contract covering fabrication and installation of subsea equipment for its entire operated portfolio. The approach, designed to encourage joint solutions through cooperation, is in contrast to the more traditional model with several separate sub-contracts and is intended to provide a means of coping with rising costs in the sector. A recent Rystad Energy report calls Norway the world's top market for subsea tie-back projects in coming years, but warns that it is facing an inflation-driven cost increase of \$6.5 billion on upcoming contract awards for goods and services in the offshore oil and gas industry through to 2026. The decision to turn to a new contracting model is similar to the approach seen in Aker BP's alliance model for subsea equipment with Aker Solutions and Subsea 7, which has been regarded successful by many observers. <b>27 January 2022</b></li> <li>• <b><u>Shell granted consent for Ormen Lange drilling</u></b> A/S Norske Shell has been given consent for exploration drilling in Block 6305/5, production license (PL) 209, in the Norwegian Sea by the Petroleum Safety Authority Norway. The well is related to work detailed in a submission to the Norwegian Environment Agency in November 2021. In it, the operator applied for a permit to drill production wells 6305/7-D-4 (D4) and 6305/5-C-3 AH (C3 infill) and exploration well 6305/5-C- 3-H (C3 deep) on Ormen Lange. That submission noted a drilling start in February with a duration of 242 days. <b>28 January , 2022</b></li> <li>• <b><u>AKER, ALTERA AND HOEGH LNG COLLABORATE ON CCUS</u></b></li> </ul>



	<p>Norway’s Aker Carbon Capture, Altera Infrastructure and Hoegh LNG said January 31 they will collaborate to offer full value chain carbon capture, utilisation, and storage (CCUS) services. The parties intend to offer carbon capture as a service to industrial emitters, enabling source-to-storage decarbonisation at a pay-per-ton captured CO<sub>2</sub> model. Altera Infrastructure and Hoegh LNG are global maritime and infrastructure companies which own and operate the Stella Maris CCS project, transporting CO<sub>2</sub> to an offshore site for subsea reservoir storage <b>31 January, 2022</b></p> <ul style="list-style-type: none"> <li>• <b><u>Yara and Linde to build green hydrogen plant in Norway</u></b> Environmental solutions firm Yara and engineering major Linde have joined in on the construction of a 24 MW green hydrogen demonstration plant at Yara’s ammonia production facility in Norway. Yara said it signed a contract with Linde Engineering for the delivery of a <u>green hydrogen</u> demonstration plant at its ammonia production facility at Herøya Industripark in Porsgrunn, Norway. The project is to specifically demonstrate that ammonia from renewable energy can reduce the impact of CO<sub>2</sub> in fertilizer production. It will also serve as an emission-free shipping fuel. Moreover, <u>Enova</u> supports this project with NOK 283 million (\$31.6 million) grant. <b>28 January 2022</b></li> <li>• <b><u>Equinor unveils key document for Barents Sea project with development plan due by year-end</u></b> Norwegian oil and gas company Equinor has presented an impact assessment for the development and operation of Wisting field development located in the Barents Sea off Norway ahead of the plan for development and operation (PDO), which is scheduled to be finalised at the end of 2022. Subject to a final investment decision and regulatory approvals, Aker Solutions estimated the EPCI option to potentially represent a significant contract, meaning its value would be between NOK 8 billion and NOK 12 billion. The contract with Aker Solutions was formally signed last November. In addition, FEED studies were awarded to Technip FMC, ABB, Leirvik, Aibel, OneSubsea Processing, IKM Ocean Design, Subsea 7, NOV, Baker Hughes Energy, NKT, and Siemens. This work will mainly be performed in Norway. <b>1 February , 2022</b></li> <li>• <b><u>Lundin outlines 2022 offshore Norway E&amp;P plans</u></b> Lundin Energy has budgeted field development expenditure of \$520 million for its projects offshore Norway this year. Most of this outlay relates to investments in Johan Sverdrup Phase 2, power from shore at Edvard Grieg, development drilling at Solveig, and new projects in the Alvheim Area, all in the North Sea. This will be drilled at a later stage once gas processing capacity is available on the Alvheim FPSO. Drilling should start in early 2023, with first oil scheduled for 1Q 2024. <b>1 February 2022,</b></li> </ul>
RUSSIA	<ul style="list-style-type: none"> <li>• <b><u>Russian blue ammonia project kicks off exploration drilling</u></b> Novatek’s Obsky Gas Chemistry Complex (GCC) subsidiary has stepped up exploration plans for three recently acquired licence blocks on West Siberia’s Yamal Peninsula as it looks to press ahead with Russia’s first first blue ammonia project. The Obsky, Neytinsky and Arktichesky blocks lie south of the flagship Yamal LNG project headed by Novatek, Russia’s largest gas independent, with any future development of the three blocks aided by existing transportation infrastructure, including a marine port and an international airport in Sabetta. According to tender disclosure notices posted by Obsky GCC, the company plans to spud two exploration wells on the Obsky block this year, with drilling scheduled to begin in the second quarter. <b>2 February 2022</b></li> </ul>
UK	<ul style="list-style-type: none"> <li>• <b><u>INEOS INVITES BID FOR BLUE HYDROGEN PLANT DESIGN</u></b> Global energy company INEOS invited bids for the design of a blue hydrogen production plant and associated infrastructure at its refining and petrochemicals facility in Grangemouth,</li> </ul>

	<p>Scotland, on January 27. The company has already committed £500mn (US\$668mn) to low-carbon projects at Grangemouth including a power plant to supply all site operations. The new power plant is expected to reduce CO<sub>2</sub> emissions by 150,000 mt/year and then be converted to run on hydrogen to further reduce emissions. <b>27 January 2022</b></p> <ul style="list-style-type: none"> <li>• <b><u>Repurpose 100 North Sea oil and gas pipelines for £14bn net-zero windfall, says regulator</u></b> UK's Oil and Gas Authority calls repurposing pipelines for carbon capture and hydrogen gas a 'priority'. The UK's oil and gas regulator has identified 100 pipelines that could be repurposed, resulting in savings worth £14 billion (\$18.8bn) as the country seeks to install carbon capture and storage capabilities. At a conference on the future of the North Sea, the head of decommissioning at the Oil and Gas Authority, Pauline Innes, said new analysis had identified 100 of the UK's 3,000 pipelines that could be repurposed for hydrogen and carbon capture. <b>28 January 2022</b></li> </ul>
<b>NORTH &amp; SOUTH AMERICA</b>	
BRAZIL	<ul style="list-style-type: none"> <li>• <b><u>Petrobras in \$1.4bn production, refinery deal</u></b> Brazil's state-controlled Petrobras and Brazilian independent 3R have signed a \$1.38bn deal for 3R to buy a refinery and 22 oil and gas-producing fields in the north of Brazil. Petrobras has so far concluded only one refinery divestment, the \$1.8bn sale of the 333,000 b/d Mataripe refinery to Abu Dhabi's Mubadala. Two other sales agreements have been signed — a \$33mn agreement with Canadian bank Forbes &amp; Manhattan for the 6,000 b/d SIX refinery and a \$189.5mn deal with Brazilian fuel distributor Atem for 46,000 b/d Isaac Sabba (REMAN) — and are expected to close in 2022. Sales agreements for the 8,000 b/d Lubnor and 166,000 b/d Gabriel Passos (REGAP) refineries are expected for the first half of 2022 and the remaining three only after presidential elections in October. <b>1 February 2022</b></li> </ul>
GUYANA	<ul style="list-style-type: none"> <li>• <b><u>Exploration hotspot – Guyana well results reinforce belief in ‘transformational opportunity’</u></b> CGX Energy and Frontera Energy have made a discovery at the Kawa-1 well located on the Corentyne block offshore Guyana, reinforcing the belief in the potentially transformational opportunity for the JV in the country. The two have now also committed to drill the second well on the block in the second half of the year. Second Guyana exploration well on the horizon Building on the success of the Kawa-1 exploration well, the Joint Venture anticipates spudding its second commitment well, called Wei-1, in the northwestern part of the Corentyne block in the second half of 2022. The well is named after one of the tallest peaks in the Pakaraima mountain range, which has commanding visibility over the surrounding terrain. <b>1 February 2022</b></li> </ul>
USA	<ul style="list-style-type: none"> <li>• <b><u>Beacon Offshore lets EPIC contract for Shenandoah development</u></b> Beacon Offshore Energy LLC has let a contract to Subsea 7 SA for subsea installation services for the Shenandoah development offshore Gulf of Mexico in water depths up to 6,300 ft. It is expected to come online as early as late 2024. Multiple wells are expected to develop an estimated 100-400 million bbl, targeting previously discovered oil-bearing Upper and Lower Wilcox reservoirs. The work scope, valued at \$150-300 million by the service provider, includes engineering, procurement, construction, installation (EPIC) and commissioning of the subsea equipment including structures, umbilicals, and production and gas export flowlines. Project management and engineering will begin immediately at Subsea 7's offices in Houston, Tex. Fabrication of flowlines and risers will take place at Subsea 7's spoolbase in Ingleside, Tex., with offshore operations scheduled for 2024. <b>27 January 2022</b></li> <li>• <b><u>McDermott scoops LNG contract for US Gulf project</u></b></li> </ul>

CB&I subsidiary will work on Venture Global's Plaquemines development in Louisiana. Houston-based McDermott International has landed a key contract for work on the Plaquemines LNG project in the US state of Louisiana. Located 20 miles south of New Orleans on the Mississippi River, the liquefied natural gas scheme is being developed by Virginia-headquartered Venture Global LNG. McDermott's CB&I business has been awarded a contract to build two 200,000 cubic-metre LNG storage tanks as part of the project's first phase. Plaquemines LNG is expected to have a total export capacity of up to 20 million metric tonnes per year. **31 January 2022**

- **Southern Energy to drill three horizontal wells in Mississippi**

Southern Energy Corp. will spud three Selma Chalk horizontal wells in Gwinville field in the northern part of Jefferson Davis County, Miss. targeting natural gas. Southern Energy Corp. will spud three Selma Chalk horizontal wells in Gwinville field in the northern part of Jefferson Davis County, Miss. targeting natural gas. The wells will be over 50% longer and have over 50% more sand pumped than past horizontal wells in the area, the company said. Gwinville is part of the Mississippi interior salt basin (MISB) in the northeastern Gulf Coast region covering a total area of 6,000 sq mi, extending from northeastern Louisiana to southwest Alabama. MISB has produced more than 15 billion bbl oil and about 6.5 tcf gas to date. **28 January 2022**

- **AmmPower to develop ammonia facility at Port of South Louisiana**

Vancouver-based resource exploration company AmmPower wants to develop a green hydrogen/ammonia production facility for shipping fuel and energy transfer at the Port of South Louisiana. AmmPower has signed a letter of intent (LOI) to develop a green hydrogen/ammonia facility at the Port of South Louisiana. This is one of the largest tonnage ports in the Western Hemisphere. Therefore, AmmPower will build a large green hydrogen and ammonia facility. It would produce, store and distribute green ammonia for use as a clean fuel and a carrier of H2 energy. The facility could produce up to 4,000 tonnes of green ammonia per day. This would serve the fueling of oceangoing vessels (over 4,500 per year) at the port. **1 February, 2022**

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