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Table des matières

Actualités énergétiques régionales	3
Afrique du Nord – Moyen Orient	3
Arctique	3
Méditerranée Orientale	4
Europe	4
Asie	6
Afrique	8
Autres	8
Stratégies d'entreprises	10
Stratégies	10
Investissements et acquisitions	11
Juridique et institutionnel	13
Innovations technologiques	14
Energies renouvelables et biocarburants	14
Stockage d'électricité et batteries	15
Hydrogène	15
Nucléaire	16
Autres technologies	17

Actualités énergétiques régionales

Afrique du Nord – Moyen Orient

CNPC, CNOOC weigh deal for Exxon's Iraq oil field stake

Date: 20/11/2020

China, Iraq, Asia, Middle-East, BRICS, Emerging markets, Crude oil, Oil, Projects

China National Petroleum Corporation (CNPC) and CNOOC, two Chinese state-owned companies, could acquire ExxonMobil's stake in West Qurna 1 oil field in Iraq for at least US\$500m. West Qurna 1, which has expected recoverable reserves of over 20 Gbl, produces around 500 kb/d. Exxon entered into a deal with Iraqi state-owned South Oil to redevelop the field in 2010. In 2013, the US major sold a stake to PetroChina (CNPC), and to PT Pertamina. It sold another 19.6% to Itochu in 2018.

Source(s): [Bloomberg](#)

Iran and Russia will build the 1.4 GW Sirik gas-fired power project (Iran)

Date: 03/11/2020

Emerging markets, Middle-East, Iran, Electricity, Thermal, Gas-fired power gen., Projects, Power plants

Iran and Russia have signed a new agreement to build the 1,400 MW Sirik gas-fired power plant in the Sirik County, in the southern Iranian Hormozgan Province. It will consist of four 350 MW units. The feasibility study for the first phase of the project has been completed. In September 2019, Russia awarded a €1.3bn funding to build the project, which will correspond to 85% of the total investment. The remaining financing needs will be covered by Iran. Gas-fired capacity accounts for 65% of Iran's installed capacity, with 52 GW (2019). Over 30 GW of gas-fired power projects are in various stages of development.

Source(s): [National press](#)

Arctique

Russia's rising engagement in Arctic game-changer for energy markets

Date: 22/11/2020

Russia, CIS, BRICS, G8, Emerging markets, LNG, Natural Gas, Policy

Russia is scaling up efforts to increase natural gas output in the Arctic with a new major plant and to achieve speedier deliveries to European and Asian markets amid competition with other major LNG suppliers like Qatar, Australia and the United States.

Source(s): [Daily Sabah](#)

Rosneft assures Putin his new Arctic project will produce 30 Mt of oil by 2024

Date: 26/11/2020

BRICS, G8, Emerging markets, CIS, Russia, Oil, Crude oil, Companies, Projects, Rosneft

Rosneft expects its planned Vostok Oil project to deliver 30 Mt/year by 2024, and later up to 100 Mt/year, helping Russia reach his settled target of 80 Mt of shipments on the Northern Sea Route by 2024. The project would be developed in partnership with Trafigura (Singapore) (10%) and other potential partners, including Indian companies.

Source(s): [The Barents Observer](#)

Observatoire de la sécurité des flux et des matières énergétiques – Novembre 2020

The US administration aims to fast-track oil and gas lease in Alaska

Date: 18/11/2020

G8, America, United States, Oil, Crude oil, Natural Gas, Policy, Tender

The US authorities have launched a 30-day consultation on lease tracts within the Coastal Plain (CP) of the Arctic National Wildlife Refuge in Alaska (United States) that may be offered for lease in the planned CP Oil and Gas Lease Sale. The call for nomination will authorise the Bureau of Land Management (BLM) to move forward with a lease sale. In August 2020, the US authorities presented a plan to authorise drilling in the Arctic National Wildlife Refuge, with the objective to auction off oil and gas exploration rights. The first auction could be held in December 2021. The program includes the construction of four airstrips and major well pads, 280 km of roads, vertical supports for pipelines, a seawater treatment plant, a barge landing, and storage sites.

Source(s): [Federal Register](#), [NPR](#)

Méditerranée Orientale

Méditerranée orientale : la Turquie prolonge la mission d'un navire d'exploration gazière et appelle au dialogue avec l'UE

Date: 21/11/2020

Turkey, Europe, Emerging markets, Natural Gas

La Turquie a prorogé jusqu'au 29 novembre la mission du navire d'exploration gazière Oruc Reis, dans une zone maritime qu'elle se dispute avec la Grèce, la découverte de vastes gisements gaziers y aiguisant les appétits. La présence de ce navire suscite depuis plusieurs mois des tensions avec l'UE qui a reconduit ce mois-ci pour un an des sanctions contre Ankara et envisage de les durcir.

Source(s): [Connaissance des Energies](#)

Europe

Czech nuclear plant expansion may be delayed amid concerns of opposition, secret services

Date: 24/11/2020

Europe, Czechia, Electricity, Nuclear, Projects, Power plants

A tender to decide who builds a new unit at a Czech nuclear power plant could be delayed after security services and opposition parties raised concerns about the possible participation of bidders from China and Russia. A working group of intelligence and foreign policy officials under the Interior Ministry wants to impose conditions to disqualify bidders from countries posing a security risk.

Source(s): [Reuters](#)

Russia's energy policy. Dependence, networks and special relationships

Date: 18/11/2020

Europe, Russia, CIS, BRICS, G8, Emerging markets, Natural Gas, Policy

Despite the measures taken since the 2014 Russia-Ukraine crisis, Europe has not reduced its energy dependence on Russia. Indeed, the opposite has occurred. Both sides, Europe and Russia, have become more resilient to each other's energy policy restrictions, albeit with considerable variation across Europe.

Source(s): [NATO Defense College Research Division](#)

Observatoire de la sécurité des flux et des matières énergétiques – Novembre 2020

Turkey awards a license to build unit 3 of the Akkuyu nuclear project

Date: 18/11/2020

Emerging markets, Europe, Turkey, Electricity, Nuclear, Companies, Projects, Power plants, Rosatom

Turkey has granted a construction license for the third unit of Akkuyu nuclear power plant, located in the Mersin Province (southern Turkey), on the Mediterranean coast. The Akkuyu Nuclear Power Plant will consist of four 1,200 MW VVER reactors for a total capacity of 4,800 MW. The first unit is expected to be commissioned in 2023 and the second unit received a construction license in September 2019. The four units should meet 6% to 7% of Turkey's electricity demand once they are fully operational. The plant is being built at a cost of US\$20bn under a Build-Own-Operate (BOO) agreement with the Russian nuclear group Rosatom in charge of the construction. In August 2019, Akkuyu Nuclear, Rosatom's Turkish subsidiary, obtained a 7-year loan worth US\$400m from the Russian bank Sberbank.

Source(s): [Daily Sabah](#)

Chinese influence in the Baltic?

Date: 18/11/2020

Europe, Electricity, Investments, Power plants

Estonia, Latvia and Lithuania experience gaps in transportation, energy and digitalisation – Chinese core expertise – and China is offering them its business. However, China is sending mixed signals: apart from economic overtures, it is interfering in domestic politics and cooperating militarily with Baltic arch-enemy Russia – alienating Baltic democracies.

Source(s): [Danish Institute for International Studies](#)

Wylfa Newydd: More details on US consortium bid for £16bn nuclear project

Date: 10/11/2020

United Kingdom, United States, Europe, America, G8, Nuclear, Electricity, Projects, Power plants

A consortium comprising US companies Westinghouse, Southern Company and Bechtel has bid to revive the Wylfa Newydd nuclear project in the United Kingdom. The consortium will have to negotiate the purchase of the site with Hitachi, who had spent more than £2bn (€2.2bn) on the project before pulling out. Any deal would be dependent on the UK government introducing a new funding model for nuclear projects.

Source(s): [The Daily Post](#)

U.S. goes nuclear to compete with Russia, China in Europe's East

Date: 09/11/2020

G8, America, United States, Electricity, Nuclear, Investments, Power plants

The former Cold War frontier of eastern Europe is becoming a battleground in the US\$500bn business of building nuclear power plants. Bulgaria, Romania and Poland are exploring U.S. nuclear deals. Barriers to entry stay high in market long dominated by Russia

Source(s): [Bloomberg](#)

Asie

GE receives equipment order for 500 MW combined-cycle plant in South Korea

Date: 26/11/2020

Asia, South Korea, Electricity, Thermal, Gas-fired power gen., Supply, Capacities, Projects, Power plants

GE announced it has secured an order to supply power generation equipment for Naepo Green Energy (Naepo) new 500 MW combined-cycle gas-fired district heating plant located in the centre of Naepo City, South Korea. GE will deploy its 60 Hertz gas turbine, the 7HA.02, with its matching H65 generator, as well as one STF-D650 steam turbine, one H35 generator, one heat recovery steam generator (HRSG), and one GE condenser. GE will also provide equipment maintenance services under a 19-year agreement. The Naepo District Heating Plant, will be built by Lotte Engineering and Construction.

Source(s): [GE](#)

15 Asian-Pacific countries join the Regional Comprehensive Economic Partnership

Date: 25/11/2020

Asia, Oil, Crude oil, Natural Gas, LNG, Coal/Lignite, Coal, Policy, Supply, Trade

15 Asian-Pacific countries have signed the largest trade agreement worldwide, the Regional Comprehensive Economic Partnership (RCEP), including the 10 members of the ASEAN, plus Australia, China, Japan, New Zealand and South Korea. It will lift tariffs and duties on 90% of commodities traded within the group and may boost Australia's coal and LNG exports to China, Japan and South Korea, to the detriment of the United States. Over the first 10 months of 2020, China's imports of US crude oil, LNG, and other energy products totalled US\$6.6bn, i.e. only 26% of the US\$25bn target.

Source(s): [Forbes](#), [Reuters](#)

BSE and Chinese SET sign EPC agreement for 700 MW coal plant (Cambodia)

Date: 25/11/2020

Asia, Cambodia, Electricity, Thermal, Coal-fired power gen., Supply, Capacities, Projects, Power plants

Botum Sakor Energy (BSE) (owned by Royal Group of Companies) has awarded a US\$1.1bn EPC contract to Sinosteel Engineering and Technology (SET) (owned by Chinese Sinosteel) for the development of a 700 MW coal-fired power plant in the southwestern Koh Kong province of Cambodia. The project includes, beyond the power units, the construction of ancillary generation and transmission facilities, and a dedicated coal terminal. The US\$1.34bn project will be operational in 2023-2024, and will be built under a build, own, operate (BOO) model. 30% of capital will be provided by direct capital and the remaining by bank loans.

Source(s): [Phnom Penh Post](#)

The BRI in Pakistan: From energy crisis to economic boom

Date: 25/11/2020

Pakistan, Asia, Emerging markets, Electricity, Projects, Power plants

The US\$87bn China-Pakistan Economic Corridor (CPEC) was launched in 2015, and since then 32 out of 122 projects have been completed, and many are close to completion. Since the inception of CPEC, Pakistan's energy sector infrastructure has had a massive transformation. Improved power generation and transmission offer growing prospects for agricultural and industrial development.

Source(s): [China Daily](#)

India, US extend nuclear energy partnership by 10 more years

Date: 24/11/2020

United States, India, America, Asia, BRICS, G8, Emerging markets, Nuclear, Electricity, Policy

India and the United States have extended their Memorandum of Understanding for cooperation nuclear safety and security, research and development in nuclear science and technology for 10 more years until 2030. They will deepen the dialogue on nuclear and other radioactive material security.

Source(s): [The Economic Times \(India\)](#)

Saudi Arabia and Russia in tight race to become China's top oil supplier in 2020

Date: 20/11/2020

Russia, China, Saudi Arabia, CIS, Asia, Middle-East, BRICS, G8, Emerging markets, Crude oil, Oil, Supply

Russia and Saudi Arabia are in a tight race to become China's top oil supplier in 2020. Saudi Arabia, which was China's top supplier in 2019, has exported between 1.6 mb/d and 1.7 mb/d of crude from January to November 2020. It was catching up with Russia which has exported about 1.7 mb/d of oil to China so far in 2020, with Iraq at a third place with about 1.2 mb/d.

Source(s): [Reuters](#)

USAID invests US\$28m to advance regional energy markets in South Asia

Date: 02/11/2020

Asia, Policy

The US Agency for International Development (USAID) has announced new activities valued at more than US\$28m to advance regional energy markets in South Asia. The Asia EDGE (Enhancing Development and Growth through Energy) initiative will seek to strengthen energy security and expand access to energy across the Indo-Pacific region.

Source(s): [USAID](#)

Afrique

ICBC drops Lamu coal plans

Date: 17/11/2020

Africa, Kenya, Electricity, Thermal, Coal-fired power gen., Projects, Power plants

The Industrial and Commercial Bank of China (ICBC) has halted its proposed financing of a 1,050 MW coal power plant in Kenya's Lamu County, due to environmental and social risks. The ICBC was to finance up to US\$1.2bn of the power plant's US\$2bn cost.

Source(s): [Energy Voice](#)

Autres

A sea change ? : China's role in the Black Sea

Date: 18/11/2020

China, Asia, BRICS, Emerging markets, Oil, Policy

Through its Belt and Road Initiative, China seeks to play a larger role in the Black Sea region. But some worry that China will increase its political and diplomatic clout in a region that is considered vital for Russian interests and create tension between Moscow and Washington.

Source(s): [Middle East Institute](#)

Russia's first NDC targets 30% cut in GHG emissions over 1990-2030

Date: 27/11/2020

BRICS, G8, Emerging markets, CIS, Russia, CO2 emissions, Policy

Russia has submitted its first Nationally Determined Contribution (NDC) to the United Nations Framework Convention on Climate Change (UNFCCC). By 2030, the country aims to limit greenhouse gas (GHG) emissions to 70% of their 1990 level (3.1 GtCO₂eq), corresponding to a 30% cut in GHG emissions over the 1990-2030 period. Earlier in November 2020, the Russian president had signed a decree ordering the government to work towards a similar 30% cut in GHG emissions over 1990-2030, taking into account the maximum possible absorptive capacity of forests. Since Russia's GHG emissions (including forests) have nearly halved since 1990, reaching 1.6 GtCO₂eq in 2018, this decree would allow the country to significantly increase GHG emissions by 2030. Russia ratified the Paris agreement on climate change in September 2019. Russia's energy-related CO₂ emissions in 2019 were around 20% below their 1990 level, at around 1 750 MtCO₂. Russia's INDC, unveiled in 2015, aimed to limit GHG emissions to 70-75% against 1990 levels by 2030.

Source(s): [UNFCCC](#), [Russian Ministry of Economic Development](#), [Rosskyiskaya Gazeta \(Russian\)](#)

China Gezhouba starts building a 1.5 GW CCGT plant in Uzbekistan

Date: 06/11/2020

CIS, Uzbekistan, Electricity, Thermal, Gas-fired power gen., Projects, Power plants

The Chinese company China Gezhouba Group Corporation (CGGC) has launched the construction of a 1.5 GW gas-fired CCGT power project near Shirin, in the Sirdarya region, east of Uzbekistan. The company will build the power plant on a turnkey basis, while the Japanese group Mitsubishi Power will supply two gas turbines. The project is expected to generate 10 TWh/year of electricity. The Uzbek Ministry of Energy has signed an US\$1.2bn power purchase agreement (PPA) with ACWA Power for a period of 25 years.

Source(s): [Xinhua](#), [Uzbek Ministry of Energy \(Russian\)](#)

Belarus connects Ostrovets-1 nuclear project to the power grid

Date: 04/11/2020

CIS, Belarus, Electricity, Nuclear, Companies, Projects, Power plants, Rosatom

Rosatom has connected the Ostrovets-1 nuclear reactor to the Belarussian grid. The 1,110 MW (1,194 MW gross) VVER-1200 pressurized water reactor (PWR) has been synchronised to the grid and has started delivering electricity to the grid. The reactor should enter commercial operations in the first quarter of 2021. The Ostrovets nuclear project consists of two VVER-1200 reactors built by AtomStroyExport (ASE), the engineering subsidiary of Rosatom, and Belarus obtained US\$9bn from Russia for the project. Construction started in 2013. In April 2020, the Russian state-owned nuclear company completed hot tests at the project. The second reactor is expected to be commissioned later in 2021. As a consequence of the start of Ostrovets-1, which is located 20 km away from the Lithuanian border, Litgrid, the Lithuanian power transmission operator, has stopped importing electricity from Belarus. Indeed, in September 2020, the government of Estonia, Latvia and Lithuania pledged to stop energy trade with Belarus after the launch of the Ostrovets nuclear power plant, and a system of certificates of origin of electricity will be implemented for this purpose.

Source(s): Rosatom (Russian), Litgrid, (Lithuanian), Belta

The US is leaving the Paris agreement on climate change

Date: 04/11/2020

G8, America, United States, CO2 emissions, Policy

The United States will officially withdraw from the Paris agreement on climate change on 4 November 2020. The Paris agreement was signed by nearly 200 countries in December 2015, in an attempt to cut global GHG emissions and to keep global temperature increases "well below" 2°C. The United States, which committed in November 2014 to reduce net GHG emissions by 26%-28% below 2005 levels by 2025, formally ratified the agreement in September 2016. The Paris agreement entered into force on 4 November 2016, i.e. 30 days after 55 countries, representing 55% of global GHG emissions, deposited their instruments of ratification, acceptance or accession with the Secretary-General. The current US administration formally notified the United Nations of its intention to withdraw from the Paris agreement in November 2019.

Source(s): ABC News, Axios

Power China won a contract to build an 800 MW wind project in Ukraine

Date: 03/11/2020

CIS, Ukraine, Electricity, Renewables, Wind, Onshore, Companies, Projects, Power plants, China Three Gorges Power (CTGPC)

The Ukrainian company WindFarm has signed an Engineering, Procurement, Construction (EPC) contract with the Chinese state-owned construction group Power China to build an 800 MW onshore wind project in the Donetsk region (Ukraine). The project, which could benefit from a green tariff, would require a US\$1bn investment and would be one of the largest onshore wind parks in the region. Wind accounts for around 2% of Ukraine's installed capacity, with 1.3 GW (2019). Over 1.7 GW of wind projects are at various stages of development.

Source(s): WindFarm

Stratégies d'entreprises

Stratégies

Rosatom and the Republic of the Congo will develop human resources and work to form a positive public opinion on nuclear energy

Date: 20/11/2020

Africa, Congo, Electricity, Nuclear, Companies, Projects, Power plants, Rosatom

Rosatom has signed two memorandums with the Ministry of Scientific Research and Technological Innovation of the Democratic Republic of the Congo on cooperation in the education and training of the nuclear personnel of the DRC, and on cooperation in the creation of a positive public opinion regarding nuclear energy in the country.

Source(s): Rosatom

Harbin Electric wins bid for coal plant desalination system in Bangladesh

Date: 19/11/2020

Emerging markets, Asia, Bangladesh

Harbin Electric Group Boiler Company won the bid for the 1,320 MW (2×660 MW) coal-fired power plant desalination system project in Boduakali, Bangladesh. The Budo seawater desalination project in Bangladesh was contracted by Tianjin Power Construction. Other major desalination system projects developed by Harbin Electric include the reverse osmosis desalination project under the China-Pakistan Economic Corridor won in 2017, the 17,000 tons/day Qasim Port plant, and the 700 MW Huasheng Jiangquan power plant's desulfurization wastewater zero discharge water island EPC project (China).

Source(s): Harbin (in Chinese)

Companies remain buoyant about investing in Europe

Date: 18/11/2020

Europe, China, Asia, BRICS, Emerging markets, Companies

Since it set up its European subsidiary in the Netherlands in 1998, the Chinese electric vehicle manufacturer BYD has opened two electric bus and truck factories in Hungary (2017) and France (2018) and now accounts for about 20% of the European market, taking advantage of increasingly stringent emission standards.

Source(s): China Daily

USTDA announces 2021 Indo-Pacific energy sector strategy

Date: 28/10/2020

BRICS, G8, Emerging markets, America, United States, Asia, India, Indonesia, Malaysia, Philippines, Thailand, Vietnam, Natural Gas, LNG, Electricity, Projects

The U.S. Trade and Development Agency has presented its 2021 strategic vision for supporting new energy sector infrastructure across the Indo-Pacific region. It will focus on the development of liquefied natural gas infrastructure, smart grids, energy efficiency and renewable energy integration and storage. Under its Global Infrastructure Resilience Initiative, USTDA will also fund energy sector activities that prioritize resiliency in their design and implementation.

Source(s): USTDA

Observatoire de la sécurité des flux et des matières énergétiques – Novembre 2020

Investissements et acquisitions

China's SPIC buys a Mexican renewable IPP with 818 MW of capacity

Date: 23/11/2020

Emerging markets, America, Mexico, Electricity, Renewables, PV, Onshore, Solar, Wind, Companies, Acquisition/sale, Power plants, State Power Investment Corporation (SPIC)

China's State Power Investment Corporation (SPIC) has completed the acquisition of Mexico's independent renewable power producer Zuma Energía. The Mexican company owns and operates two solar power plants in Sonora and Chihuahua and two projects in Tamaulipas and Oaxaca, with a total installed capacity of 818 MW. In March 2020, SPIC had 5.2 GW of installed capacity outside China. The state-owned company targets 8 GW of power generation capacity outside China.

Source(s): [Zuma Energía \(Spanish\)](#)

Pakistan and Russia revise deal on the Pakistan Stream Gas Pipeline

Date: 20/11/2020

BRICS, G8, Emerging markets, CIS, Russia, Asia, Pakistan, Natural Gas, Projects, Gas pipeline, Transmission (gas)

Pakistan and Russia have signed a revised agreement to build the Pakistan Stream Gas Pipeline, formerly known as the North-South Gas Pipeline. The 12.4 bcm/year gas pipeline would connect Karachi to the provincial capital Lahore over 1,100 km. Under the new agreement, the project will be executed through a special purpose company incorporated in Pakistan, and Pakistan will own 74% of the project, while Russia will have a 26% stake. In 2015, Resources, a subsidiary of Rostec (Russia), had been selected to build the gas pipeline project under a build, own, operate and transfer (BOOT) model and planned to transfer its ownership to Pakistan after 25 years. Total investment was estimated at US\$2.5bn. The project is still at the planning stage as a consequence of US sanctions against Russian entities and dissensions between the two parties over fees. Pakistan refused to move forward with a new proposed Russian partner, whose owner is on the US sanctions list.

Source(s): [The Express Tribune](#)

Naturgy sells Chilean power distributor CGE to China's State Grid

Date: 17/11/2020

Emerging markets, America, Chile, Electricity, Companies, Acquisition/sale, Power grids, Transmission (power), Naturgy

The Spanish energy group Naturgy has signed an agreement with the Chinese state-owned firm State Grid International Development (SGID) to sell its 96.04% stake in Compañía General de Electricidad (CGE), a Chilean electricity distribution company, for a total consideration of €2.57bn (US\$3bn). The transaction, which is subject to regulatory approvals, is expected to close by the end of February 2021. CGE is one of the largest electricity distribution companies in Chile and supplies electricity to 45% of the country's households. The company operates in the Central Interconnected System (SIC) and the Northern Interconnected System (SING), serving more than 2.6 million customers through its subsidiaries Emel Norte. CGE is active in 14 regions of Chile. In June 2020, SGID acquired Semptra's 100% stake in Chilquinta Energía for US\$2.23bn. Chilquinta Energía is the third-largest distributor of electricity in Chile, providing electricity to approximately 2 million consumers in the regions of Valparaíso and Maule in central Chile. In addition, Chilquinta Energía also develops and operates power transmission lines in Chile.

Source(s): [Naturgy](#), [Reuters](#)

China's CGN targets 3 GW of renewable capacity in Brazil by 2024

Date: 09/11/2020

BRICS, Emerging markets, America, Brazil, Electricity, Renewables, Solar, Wind, Companies, Supply, Capacities, Power plants, China General Nuclear Power Corporation (CGN)

China General Nuclear Power Corporation (CGN), through its affiliate CGN Energia Brasil and Participações, intends to triple its power generation capacity in Brazil by 2024, from 1.1 GW to 3 GW in 2024 through greenfield wind and solar projects and acquisitions. The company intends to expand its Santa Vitória do Palmar wind plant in Rio Grande do Sul by 200 MW and to develop around 600 MW of solar projects. In July 2019, CGN completed the acquisition of 540 MW of renewable power plants in north-eastern Brazil from Enel. CGN will continue to look for renewable project acquisitions, including hydropower projects, and should invest a total BRL11bn (US\$2bn) in Brazil by 2024.

Source(s): Reuters

Pakistan commissions the Mataria-Lahore 660 kV power transmission line

Date: 05/11/2020

Emerging markets, Asia, Pakistan, Electricity, Projects, Power grids, Transmission (power)

State Grid of China has completed the construction of a 660 kV power transmission line in Pakistan that connects Matiari in the Sindh Province to Lahore in Punjab over 890 km. The new line, whose construction started in December 2018, will have a capacity of 4 GW and is expected to reduce load shedding and electricity shortages in several areas of the country, especially in the Punjab province and in the capital city Islamabad. It required an investment of US\$1.7bn and was developed in the framework of the China Pakistan Economic Corridor (CPEC).

Source(s): SASAC

Vietnam signs deals with US and Japanese firms to build LNG power plants

Date: 29/10/2020

Emerging markets, Asia, Vietnam, Natural Gas, LNG, Electricity, Thermal, Gas-fired power gen., Companies, Projects, Power plants, LNG facilities, LNG regasification, ExxonMobil, JERA

AES has signed an agreement with PetroVietnam Gas to set up an LNG import terminal and power plant worth US\$2.8bn in Vietnam. The facility is expected to import US LNG, paving the way for a rising LNG trade between the two countries. In addition, Delta Offshore Energy has formalised a US\$3bn agreement with Bechtel, General Electric and McDermott to build a 3.2 GW LNG-fired power plant in the Bac Lieu province. Finally, Hai Phong City, ExxonMobil, and JERA have signed a Memorandum of Understanding (MoU) to develop a potential integrated LNG-to-power plant (6 Mt/year LNG import terminal and related 2,250 MW gas-fired power plant) in Hai Phong; the US\$5.1bn project received the approval of the People's Committee of Hai Phong earlier in October 2020 and is expected to enter production in 2026-2027. The Hai Phong Committee had also approved a similar project worth US\$1.9bn including an LNG import terminal and a related 1.6 GW gas-fired power plant, which could be commissioned in phases between 2025 and 2028. These agreements are in line with the goals of the Japan US Strategic Energy Partnership (JUSEP), to support investments in economic development and energy security of Vietnam. Gas currently accounts for 15% of Vietnam's installed capacity, with 7.5 GW of gas-fired capacity at the end of 2019, and over many new gas-fired power projects are under various stages of development. According to the Institute of Energy of Vietnam's draft master power development plan, 22 LNG-fired power plants with a combined capacity of up to 108.5 GW could be developed in the country, with the first of which to be commissioned by 2023.

Source(s): Reuters, JERA

Juridique et institutionnel

U.S. keeps pressure on Iraq with 45-day sanctions waiver

Date: 20/11/2020

United States, Iran, Iraq, America, Middle-East, Middle-East, G8, Emerging markets, Electricity, Supply

The United States has granted Iraq a 45-day sanctions waiver to continue importing Iranian energy, an unusually short extension that gives the Trump administration one more chance to threaten Iraq's economy before President-elect Joe Biden takes office on 20 January 2021.

Source(s): [Iraq Oil Report](#)

Sanctions on Russia gas pipeline included in annual U.S. defense bill

Date: 11/11/2020

Europe, Russia, CIS, BRICS, G8, Emerging markets, Natural Gas, Projects, Gas pipeline

US sanctions against the Nord Stream 2 gas pipeline from Russia to Germany have been included in the annual US defense policy bill. Sanctions target companies facilitating the construction of the pipeline or providing insurance or secondary insurance for its construction and certification.

Source(s): [Reuters](#)

Innovations technologiques

Energies renouvelables et biocarburants

UK duo backs China's offshore renewables growth

Date: 25/11/2020

United Kingdom, China, Europe, Asia, BRICS, G8, Emerging markets, Offshore, Wind, Renewables, Electricity, Technology

The TUS-ORE Catapult Research Centre (TORC) and the UK Energy Technology Platform (ETP) have joined forces to support China's growth in offshore renewables and the Belt and Road strategic cooperation between the two countries.

Source(s): [Offshore Energy](#)

Coronavirus pandemic to spur Chinese investment in green projects in Belt and Road Initiative countries, Moody's says

Date: 24/11/2020

World, China, Asia, BRICS, Emerging markets, Renewables, Electricity, Investments, Power plants

The coronavirus pandemic may accelerate investment in low-carbon and climate-resilient infrastructure in countries covered by China's Belt and Road Initiative (BRI), benefiting Chinese project lenders and investors. Renewable projects in about 80 BRI countries already accounted for about 58% of new BRI contract values in the first half of 2020.

Source(s): [South China Morning Post](#)

The EU unveils its offshore wind strategy, targeting 60 GW by 2030

Date: 20/11/2020

Europe, Electricity, Renewables, Wind, Offshore, Policy, Power plants

The European Commission has unveiled the EU Strategy on Offshore Renewable Energy, which proposes to increase the EU's offshore wind capacity to at least 60 GW by 2030 and to 300 GW by 2050. In addition, the Commission aims to add 40 GW of ocean energy and other emerging technologies such as floating wind and solar by 2050. The plan requires an investment of nearly €800bn, around 2/3 to finance the associated grid infrastructure and 1/3 for offshore power generation. Most of this investment will come from private capital. The European Commission will provide a clarified and supportive legal framework, revising the State aid guidelines on energy and environmental protection and the Renewable Energy Directive to boost offshore wind development. It will also encourage Member States to use the Recovery and Resilience Facility and to cooperate with the European Investment Bank (EIB) and other financial institutions to support offshore wind development. In addition, the European Commission aims to set up a dedicated platform on offshore renewables to strengthen the supply chain. The EU (excluding the United Kingdom) has a total offshore wind capacity of 12 GW, including 7.5 GW in Germany, 1.7 GW in Denmark and 1.6 GW in Belgium (2019).

Source(s): [European Commission](#), [Reuters](#)

Stockage d'électricité et batteries

Global ESS capacity reaches 186 GW including 11 GW of BESS

Date: 20/11/2020

BRICS, Emerging markets, Asia, China, Supply, Capacities, Electricity storage

According to the CNESA (China Energy Storage Alliance) Global Energy Storage Market Analysis, at end-September 2020 global operational ESS capacity (physical, electrochemical, and molten salt thermal energy storage) reached 186 GW with China accounting for 33 GW of the total. Off the global total, pumped hydro accounts for 92%, and Electrochemical BESS for 6%. Since January 2020 around 1,400 MW of electrochemical ESS were commissioned worldwide (over 530 MW in China alone, accounting for 38% of the growth). With these commissionings, the total electrochemical ESS capacity reached 10,902 MW (2,243 MW in China).

Source(s): CNESA

How China could strangle Biden's agenda

Date: 18/11/2020

United States, China, America, Asia, BRICS, G8, Emerging markets, Renewables, Electricity, Policy, Power plants

Biden's climate plan to reduce US greenhouse gas emissions to net zero by 2050 includes a requirement that all new cars sold in the United States be emissions-free. China's near-monopoly on the world's critical metals and minerals is raising concerns about the US vulnerability at a time of rising tensions with China. The U.S. government is also looking to collaborate with mineral-rich allies, such as Australia and Canada, to develop alternative supply chains.

Source(s): Politico

Hydrogène

Energy organisations launch the Renewable Hydrogen Coalition (Europe)

Date: 26/11/2020

Europe, Hydrogen, Policy

WindEurope and SolarPower Europe, supported by Breakthrough Energy, have formed the Renewable Hydrogen Coalition, which will focus on positioning Europe as the world leader in renewable hydrogen, produced via electrolysis and based on 100% renewable electricity. The ambitions of the Renewable Hydrogen Coalition are underpinned by a new white paper produced by Material Economics. According to estimates, renewable hydrogen represents an investment opportunity of €550-700bn (US\$653-831bn) with an abatement potential of 450-550 MtCO₂ (around 10% of Europe's annual emissions). Furthermore, there is significant "hidden demand" in the European economy for green hydrogen, with 540 TWh potential demand unlockable in the near term and 1,200-1,400 TWh in the medium-term, provided there will be sufficient cost decreases, investments, and policy support. To realise this potential over 280 GW of dedicated RES capacity could be needed.

Source(s): Wind Europe, Material Economics

Iberdrola announces an 800 MW of green hydrogen development plan in Spain

Date: 30/10/2020

Europe, Spain, Hydrogen, Companies, Supply, Capacities, Projects, Power plants, Electricity storage

Iberdrola and Fertiberia have issued a plan which foresees to develop of 800 MW of green hydrogen production capacity (equivalent to 20% of Spain's national target of 4 GW by 2030), with €1.8bn (US\$2.1bn) investment over seven years (Spain). In 2021, the partners will commission their first plant in Puertollano. The complex will comprise a 100 MW solar PV plant, a 20 MWh lithium-ion BESS, and a 20 MW electrolyser. This part of the plan will require €150m (US\$176m) in investment.

Source(s): Iberdrola

France issues first call for hydrogen projects under new strategy

Date: 28/10/2020

G8, Europe, France, Hydrogen, Supply, Capacities, Projects, Electricity storage

Following its €7bn (US\$8.3bn) Hydrogen strategy issued earlier this year, the French government has issued two calls for projects (France). The first call: "technological bricks and demonstrators" will grant €2-5m/project (US\$2.4-6m) and includes projects to improve components and systems used for producing and transporting hydrogen. Furthermore, this call also focuses on the support for large-scale pilot, i.e. electrolysers > 20 MW. Bids for this call will be opened until 31 December 2022. The second call: "hydrogen ecosystems", focuses on developing renewable or carbon-free hydrogen supply and distribution within the industrial and transport sectors. Bids for this call can be submitted according to the following deadlines: 17 December 2020, 16 March 2021, and 14 September 2021.

Source(s): Call for projects

Nucléaire

Rolls-Royce signs MoU with ČEZ (Czechia) and Exelon (US) for small modular reactor technology

Date: 13/11/2020

Europe, Czechia, Electricity, Nuclear, Technology

In November 2020, Rolls-Royce has signed two MoUs, with the Czech national power group ČEZ and the US energy group Exelon Generation, to explore the potential for small modular reactors (SMRs). Rolls-Royce is leading a consortium that is designing a low-cost SMR. The consortium is working with its partners and UK government to secure a commitment for a fleet of factory-built nuclear power plants, each providing 440 MW of electricity, to be operational by 2030. The consortium members include Assystem, Atkins, BAM Nuttall, Jacobs, Laing O'Rourke, National Nuclear Laboratory, Nuclear Advanced Manufacturing Research Centre, Rolls-Royce, and TWI.

Source(s): Rolls-Royce, Rolls-Royce

GE's and Synthos SMR cooperation moves forward (Poland)

Date: 04/11/2020

Europe, Poland, Electricity, Nuclear, Technology

Following GE's recent cooperation announcement in small modular reactors (SMR) with the Synthos Group in Poland, Synthos Green Energy (SGE) has initiated discussions with the National Atomic Energy Agency (Państwowa Agencja Atomistyki - PAA) about a potential BWRX-300 small modular reactor project. As announced in October, GE and Synthos will collaborate on deployment applications for GEH's BWRX-300 SMR. The technology will allegedly require 60% less investment per installed MW when compared to other water-cooled SMR designs or existing large nuclear reactor designs. Under the Polish Nuclear Act of 29 November 2000, before applying for a permit to construct a nuclear facility, a party such as SGE may ask PAA to issue a general opinion about the organizational and technical solutions to be applied in the construction and operation of a potential facility in Poland. SGE intends to request a general opinion and in advance of that has submitted to PAA a document describing technical attributes of GE's 300 MWe BWRX-300 reactors.

Source(s): GE

Autres technologies

Les métaux : des ressources qui pourraient manquer ?

Date: 30/10/2020

Europe

Aujourd'hui, l'Union Européenne définit 30 matières premières, parmi les matières stratégiques pour notre économie, comme présentant un risque élevé de pénurie d'approvisionnement. On parle de matières premières critiques parmi lesquelles se trouvent des métaux, dont les terres rares. À l'avenir, nos besoins grandissants pourraient se heurter à d'autres soucis : la répartition inégale des stocks sur la Terre exacerbe les tensions géopolitiques et leur extraction et traitement causent des dégâts environnementaux irréversibles.

Source(s): ADEME