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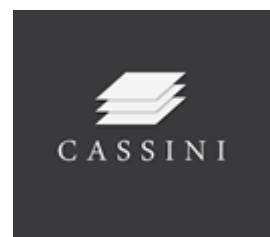


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Actualités énergétiques régionales

Afrique du Nord – Moyen Orient

Russia offers cooperation with Saudi Arabia on hydrogen production -Novak

Date: 21/05/2021

Russia, Saudi Arabia, CIS, Middle-East, BRICS, G8, Emerging markets, Oil, Policy

Russia has offered to work with Saudi Arabia on hydrogen production. The two country may create a working group on hydrogen energy. Saudi Arabia is considering several large-scale projects to produce hydrogen.

Source(s): Reuters

Iran Gears Up for Return to Oil Market as U.S. Talks Advance

Date: 16/05/2021

Iran, Middle-East, Emerging markets, Oil, Supply

Iran is preparing to increase oil exports as talks to lift US sanctions show signs of progress. But even if a deal is struck, the flow of additional crude into the global market is likely to be gradual.

Source(s): Bloomberg

Qatar pivots to LNG-hungry China in strategy shift

Date: 12/05/2021

Qatar, Middle-East, Emerging markets, LNG, Natural Gas, Policy

Qatar is in talks to make Chinese firms partners in its liquefied natural gas expansion project, the world's largest. Qatar Petroleum (QP) conducted discussions with Chinese state-owned enterprises, including PetroChina and Sinopec, for equity stakes in Qatar's U\$28.7bn North Field expansion. The North Field expansion will allow Qatar to strengthen its position as the largest LNG exporter, with output of 110 Mt/year by 2026 (+40%).

Source(s): Reuters

Arctique

Gazprom starts building a 13 Mt/year LNG plant in Ust-Luga (Russia)

Date: 25/05/2021

BRICS, G8, Emerging markets, CIS, Russia, Natural Gas, LNG, Companies, Projects, LNG facilities, LNG liquefaction, Gazprom

Gazprom has started to build a new 13 Mt/year (17.5 bcm/year) LNG production plant in Ust-Luga, in the Leningrad region (western Russia). The project, developed in partnership with RusGazDobycha on the shores of the Baltic Sea, will tap gas resources with high level of ethane from the Arctic region of Yamal; Gazprom and RusGazDobycha have agreed to jointly develop the Tambey field on the Yamal peninsula (first production in 2026). It will process around 45 bcm/year of gas to produce LNG - it will include two 6.5 Mt/year trains - 3.6 Mt/year of ethane and up to 1.8 Mt/year of LPG. The first phase of the project is expected to be commissioned in 2024 and the second one in 2025. The Ust-Luga project is in line with Russia's plans to boost its LNG production capacity to around 140 Mt/year by 2035 and to raise its global LNG market share to 20%.

Source(s): Port News, Reuters

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Report to Congress on Changes in the Arctic

Date: 20/05/2021

United States, America, G8, Oil, Policy

The Arctic is increasingly viewed as an arena for geopolitical competition among the United States, Russia, and China. Changes to the Arctic brought about by warming temperatures will likely allow more exploration for oil, gas, and minerals. Warming that causes permafrost to melt could pose challenges to onshore exploration activities.

Source(s): [USNI News](#)

Novatek plans to complete Arctic LNG-2 project (Russia) in 2025

Date: 19/05/2021

BRICS, G8, Emerging markets, CIS, Russia, Natural Gas, LNG, Companies, Projects, LNG facilities, LNG liquefaction, Novatek

The Russian oil and gas group Novatek plans to commission the third train of its Arctic LNG-2 plant in the Russian Arctic one year earlier than planned, i.e. in 2025 instead of 2026. The 19.8 Mt/year Arctic LNG 2 project is owned by Novatek (60%), Total, CNOOC, CNPC and Japan Arctic LNG (10% each). The export plant will consist of three liquefaction trains of 6.6 Mt/year capacity each. The first train should be commissioned in 2023, while trains 2 and 3 are expected to enter commercial operation in 2024 and 2025, respectively. The LNG production will be allocated to the project's shareholders, in proportion to their respective ownership stakes in the project.

Source(s): [Tass](#)

Rosneft launches Rospan International gas project in Russian Arctic

Date: 18/05/2021

BRICS, G8, Emerging markets, CIS, Russia, Natural Gas, Companies, Projects, Rosneft

The Russian oil group Rosneft has launched the Rospan International gas project in the Yamal region of the Russian Arctic. The project, led by Rosneft's subsidiary Rospan International, is expected to produce more than 20 bcm/year of gas, along with 5 Mt/year of gas condensate and more than 1 Mt/year of butane and propane from the Vostochno-Urengoysky and Novo-Urengoysky license areas. The necessary pipeline infrastructure is already operating and the production potential has been confirmed. Rosneft is increasingly active in the Russian Arctic. Its Vostok Oil project is expected to deliver 30 Mt/year of oil by 2024, and later up to 100 Mt/year. In December 2020, Rosneft discovered a new Arctic gas field in the Kara Sea with reserves estimated at 800 bcm. The field was discovered through prospecting and appraisal drilling at the Vikulovskaya structure (Vostochno-Prinovozemelsky-1 license area). The project was launched in 2014 and drilling of the first well led to the discovery of the Pobeda oil and gas field, with total recoverable reserves of about 130 Mt of oil and 422 bcm of gas.

Source(s): [RT](#), [Neftegazru](#)

Méditerranée Orientale

Putin's Shadow Warriors Stake Claim to Syria's Oil

Date: 17/05/2021

Russia, Syria, CIS, Middle-East, BRICS, G8, Emerging markets, Oil, Policy

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A Russian company that recently struck a deal with the Syrian government for offshore oil and gas exploration is linked to the Wagner group. The company is expected to explore for oil and gas in a 2,250 km² area off the coast of southern Syria. It may cause a dispute with Lebanon, which has argued the area includes some of its waters.

Source(s): [Foreign Policy](#)

Europe

Gazprom plans a 200 MW wind project in Serbia

Date: 07/05/2021

Europe, Serbia, Electricity, Renewables, Wind, Onshore, Companies, Projects, Power plants, Gazprom

Gazprom is considering plans build a 200 MW wind project in Serbia along with other thermal power plants in the country. The group is currently building a 200 MW CCGT plant in Pančevo, which is expected to be commissioned in 2021. Wind accounts for 4.5% of Serbia's installed capacity, with less than 360 MW in 2020. Installed capacity (8 GW in 2020) mostly relies on coal (52%), hydropower (39%), wind (4.5%) and gas (3%).

Source(s): [Tanjug \(Serbian\)](#), [See News](#)

Comment Nord Stream 2 s'inscrit-il dans les tensions militaires entre l'Ukraine et la Russie ?

Date: 02/05/2021

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

Alors que les tensions entre la Russie et l'Ukraine s'intensifient, les répercussions sur le projet Nord Stream 2 se font ressentir à tous les niveaux. Un développement à inscrire dans la séquence plus longue de 2021, entre présidence Biden et élections en Allemagne.

Source(s): [Le Grand Continent](#)

Hungary and Russia agree five-year delay in start of repayments of €10bn Paks loan facility

Date: 30/04/2021

Hungary, Europe, Nuclear, Electricity, Projects

Hungary will start repayment of a €10bn loan for building the two blocks at the Paks nuclear power plant from 2031 instead of 2026. The decision by Russia to modify the financial terms of the contract signals that Moscow is not expecting the new block to go operational before 2031, compared to the official 2025 start date.

Source(s): [BNE IntelliNews](#)

Russia is Weaponising Bosnia and Herzegovina's Gas Dependence

Date: 29/04/2021

Bosnia-Herzegovina, Russia, Europe, CIS, BRICS, G8, Emerging markets, Natural Gas, Supply

Russia is seeking enhanced political leverage from its energy supplies. Prior to TurkStream, BH Gas, the distributing company from the Federation of Bosnia and Herzegovina, had a receiving point in Hungary from which it distributed gas via Serbia to the entire Bosnian territory. Starting in 2021 Gazprom decided to reroute gas through TurkStream, with a receiving point in Zvornik, a city in the northeast of the country and part of the Republika Srpska entity.

Source(s): [RUSI](#)

Asie

Pakistan starts operating Karachi-2 nuclear power project

Date: 26/05/2021

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

China National Nuclear Corporation (CNNC) has commissioned the second unit (1,100 MW) of the Karachi nuclear power plant (also called KANUPP) in Pakistan to the power grid. Hot functional tests were completed in September 2020, fuel loading started in December 2020 and the reactor was connected to the grid in March 2021. A second 1,100 MW Chinese-designed ACP-1000 unit (Hualong One reactors, Unit-3) is currently under construction and is expected to be commissioned in 2022. CNNC and China Nuclear Engineering and Construction Corporation (CNEC) have been selected to build the PKR959bn (US\$9.6bn) project on a turnkey basis. Construction started in 2015 at unit-2 and in 2016 at unit-3, respectively. Pakistan's Karachi nuclear power project is the first China export of its Hualong One reactor technology. Pakistan aims to reach 8.8 GW of nuclear capacity by 2030 and 40 GW by 2050. 3 GW are currently under construction or planned, which will raise nuclear power generation to 4.3 GW in 2030, two times less than initially planned.

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

Russian investors eye opportunities in PH

Date: 25/05/2021

Philippines, Asia, Emerging markets, Nuclear, Electricity, Projects, Power plants

Russian companies are interested in the modernisation of existing power plants and construction of new power plants based on coal, natural gas and nuclear. Russia signed in 2019 an agreement for a pre-feasibility study on the construction in the Philippines of nuclear power plants using the small modular reactor technology.

Source(s): [The Manilla Times](#)

Australia-China relations continue to sour

Date: 24/05/2021

Asia, Australia, Natural Gas, LNG, Supply

Australian LNG is essential to meeting Chinese demand, with volumes up 8% already in 2021 and accounting for around 45% of China's total LNG imports. Beijing might consider moves to deter Chinese buyers from signing new long-term contracts with Australian projects. However, there is likely to be minimal impact on existing LNG contracts. Australian volumes are essential to meeting China's domestic gas demand, while several Australian projects have significant Chinese equity participation.

Source(s): [PV Magazine](#)

Pakistan selects China's PCCL to build a 1.5 GW hydropower project

Date: 12/05/2021

Emerging markets, Asia, Pakistan, Electricity, Renewables, Hydro, Large-hydro, Projects, Contract, Power plants

The Water and Power Development Authority (Wapda) of Pakistan has selected Power Construction Corporation of China Ltd. (PCCCL) to build the 1,530 MW (3x510 MW) Tarbela 5th extension hydropower project. The civil works contract is worth US\$355m and full commissioning is scheduled in mid-2024. The US\$807m project received US\$390m from the International Bank for Reconstruction and Development (IBRD), US\$390m from the World Bank and US\$300m from the Asian Infrastructure Investment Bank (AIIB).

Source(s): [Dawn](#), [The Nation](#)

China looks to Turkmenistan for more gas as it cuts Australian supplies

Date: 12/05/2021

China, Asia, BRICS, Emerging markets, Natural Gas, Policy

China is looking to Turkmenistan to expand natural gas supplies as it cuts back on Australian energy imports. The country sees Turkmenistan as a long-term cooperative partner on natural gas, and is willing to formulate a comprehensive cooperation plan with the Turkmenistan side with a future-oriented perspective

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

China-Bangladesh strategic linkages

Date: 11/05/2021

Bangladesh, Asia, Emerging markets, Electricity, Policy

China is working on a Power Grid Network Strengthening project at an investment of US\$1.32bn and also an expansion and strengthening of the power system network, which is supposed to help in the intelligent operation of the power grid in Bangladesh with an investment of US\$2.04bn. In addition, China has implemented a number of projects in the power sector, consisting mostly of coal-based power plants. So far only three 1,320 megawatt plants are near completion costing around US\$4.5bn.

Source(s): [Observer Research Foundation](#)

Pakistan to seek debt restructuring of CPEC power projects

Date: 01/05/2021

Pakistan, Asia, Emerging markets, Electricity, Projects

Pakistan will seek debt restructuring of US\$3bn against the China-Pakistan Economic Corridor (CPEC) energy projects in an effort to eliminate the need for increasing the power tariff by PKR1.50/kWh (US\$9.6c/kWh). China has set up 12 power plants under the CPEC and the repayments of the Chinese debt are included in the electricity tariffs. The consumers would pay them in rupees. However, the government would return them in dollars. The total outflows of debt against one-dozen power projects had been estimated at US\$19.8bn.

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

Harbin completes new milestone at 1.3 GW USC Jamshoro coal-fired plant (Pakistan)

Date: 28/04/2021

Emerging markets, Asia, Pakistan, Electricity, Thermal, Coal-fired power gen., Projects, Investments, Power plants

Harbin has completed the cooling tower roofing work at the 1,320 MW (2x660 MW) Jamshoro USC coal-fired power plant project in Pakistan. The project is part of the One Belt One Road initiative and is being developed in partnership with Siemens. Siemens has provided the generator stator of this project. Harbin has also completed the hoisting of the stator for Jamshoro-1, laying a solid foundation for the subsequent installation of the steam turbine body. The project consists in building two 660 MW units on the site of an existing power plant operated by PEPCO (Pakistan Electric Power Company). The Jamshoro coal-fired power plant already includes 4 operational units (Jamshoro 1-4, entailing one 250 MW unit and three 200 MW units). The Harbin-Siemens joint venture has also won a five-year O and M (operations and maintenance) contract for the new 660 MW units; the EPC contract for the second phase is estimated at US\$313m. The first unit of the project is expected to be commissioned in 2022 and the project should be fully operational in 2023.

Source(s): [Harbin press release \(in Chinese\)](#)

Afrique

Cameroon and Congo select China Gezhouba Group to build Chollet dam

Date: 05/05/2021

Africa, Cameroon, Congo, Electricity, Renewables, Hydro, Large-hydro, Projects, Power plants

Cameroon and Congo have selected China Gezhouba Group to build the 600 MW Chollet hydropower project and associated transmission lines under a BOT (build-operate-transfer) contract. The binational project was endorsed by a Memorandum of Understanding (MoU) in 2010 and will be located on the Ngoko river, about 126 km from the town of Moloundou (East Cameroon) and 70 km upstream from the locality of Ngbala (North-West Congo). The hydropower plant is estimated to cost US\$700m and should be commissioned in 2025.

Source(s): [Energies Media \(French\)](#), [Afrik21 \(French\)](#)

The United States, Namibia, and Botswana Advance a Clean Energy Future in Southern Africa through "Mega Solar"

Date: 28/05/2021

United States, America, G8, Solar, Renewables, Electricity, Projects, Power plants

Mega Solar is a partnership between the Governments of Namibia and Botswana, and others, which is expected to generate up to 5 GW of solar power. The project is a part of USAID's Power Africa Initiative, which is committed to assisting the southern Africa region transform from reliance on fossil fuels to clean energy, enabling a path to decarbonization.

Source(s): [US Embassy in Namibia](#)

Autres

China's Bid to Dominate Electrical Connectivity in Latin America

Date: 21/05/2021

America, China, Asia, BRICS, Emerging markets, Electricity, Policy, Transmission (power), Power grids

Chinese state-owned companies have expanded their control over Latin American energy generation, transmission and distribution through acquisition and infrastructure construction. China's advance in electricity generation has benefitted from its capacity for large-scale state financing. China has also leveraged the work of infrastructure construction companies such as China Harbor to gain a competitive edge in bidding for hydroelectric projects. China's advances in electricity infrastructure are consistent with, and complementary to, its better-known building and operation of physical infrastructure such as roads, ports and "Digital Silk Road" infrastructure such as telecommunications and e-commerce.

Source(s): [The Jamestown Foundation](#)

Stronger Oil Prices Boost OPEC Economies

Date: 18/05/2021

Emerging markets, Oil, Policy

The oil exporting states, anticipating a significant uptick in road and air travel, are feeling more confident about the market outlook for the second half of 2021 and beyond. Despite the Covid-19 crisis in India, the oil market has been buoyed by rising vaccination rates in developed countries as well as an easing of lockdowns.

Source(s): [Center for Strategic and International Studies](#)

Pampa Energía and Gazprom signs an agreement for investments in Argentina

Date: 10/05/2021

Argentina, America, Emerging markets, Natural Gas, Projects, Companies, Gazprom

Pampa Energía and Gazprom have reached an agreement for the development of joint projects in Argentina. Pampa Energía operates the unconventional El Mangrullo and Sierra Chata gas fields in Vaca Muerta.

Source(s): [Energía and Negocios \(Spanish\)](#)

Stratégies d'entreprises

Stratégies

A mega dam on the Great Bend of China

Date: 24/05/2021

China, Asia, BRICS, Emerging markets, Large-hydro, Hydro, Renewables, Electricity, Projects, Power plants

Since the 1950s, more than 20,000 dams higher than 15 metres have been built in China, including the world's largest hydropower plant, the Three Gorges Dam on the Yangtze River. The country will now seek to exploit the hydropower potential of the lower reaches of the Yarlung Tsangpo, a transboundary river that flows from Tibet into India, where it becomes the Brahmaputra, and then into Bangladesh as the Jamuna.

Source(s): ABC

Lancang-Mekong Cooperation vital to promote regional power connectivity, energy cooperation

Date: 08/05/2021

Asia, Electricity, Projects, Transmission (power), Power grids

The Lancang-Mekong Cooperation (LMC) offers opportunities for officials from LMC countries to discuss and share views on regional power connectivity and energy cooperation in order to promote common development. The LMC consists of six countries, namely China, Cambodia, Myanmar, Laos, Thailand and Vietnam.

Source(s): Xinhua

Gazprom changes strategy on Turkish direction

Date: 21/05/2021

Turkey, Russia, Europe, CIS, BRICS, G8, Emerging markets, Natural Gas, Trade, Supply, Companies, Gazprom

Russian pipeline gas exports to Turkey plummeted in the first half of 2020. Gazprom stated that the massive demand drop was due to COVID-19 curbing Turkey's gas needs and spot LNG imports becoming more profitable than piped gas.

Source(s): Vestnik Kavkaza

US launches the USTDA Global Partnership for Climate-Smart Infrastructure

Date: 28/04/2021

G8, America, United States, Policy

The US government launched the US Trade and Development Agency's (USTDA) Global Partnership for Climate-Smart Infrastructure. The initiative will gather US industrials and government partners to deliver clean energy and transportation solutions to emerging markets around the world. Partners in the initiative: include the American Clean Power Association, Intelligent Transportation Society of America, National Electrical Manufacturers Association, Solar Energy Industries Association, the US Chamber of Commerce, the US Departments of Commerce, Energy and Transportation, and the US Export-Import Bank.

Source(s): USTDA press release

Russia Is Making A Mad Dash To Outrun Peak Oil Demand

Date: 16/05/2021

Russia, CIS, BRICS, G8, Emerging markets, Oil, Production, Supply

Russia is one of the three biggest oil exporters in the world, alongside Saudi Arabia and the United States. The authorities are pouring US\$110bn into the development of new oil reserves in eastern Siberia to tap 100 Mt/year of new crude. That's about a fifth of the country's annual output in 2019. Russia will need to find new buyers for all the new oil it will be pumping from eastern Siberia. India is an obvious candidate. The rest of emerging Asia will also be a key market for oil exporters as peak demand draws nearer and nearer.

Source(s): [Oil Price](#)

U.S.-ROK Leaders' Joint Statement

Date: 27/05/2021

South Korea, Asia, Renewables, Electricity, Policy

The United States and South Korea committed to develop a future-oriented partnership by leading innovation in the areas of clean energy, such as next generation batteries, hydrogen, and carbon capture and storage. In addition, the two countries will cooperate to promote sustainable development, energy security, and responsible water management in the Mekong sub-region.

Source(s): [The White House](#)

Russian Energy Strategy in the Asia-Pacific

Date: 27/05/2021

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

This book critically examines Russian energy strategy in the Asia-Pacific, with a view to determining the security implications for Australia. Russia is important for global energy security chains because of its vast resource wealth and its geographical position – a pivotal position to supply both the European and Asian markets.

Source(s): [Australian National University](#)

Investissements et acquisitions

CNNC starts building nuclear units at Tianwan and Xudabao (China)

Date: 21/05/2021

BRICS, Emerging markets, Asia, China, Electricity, Nuclear, Companies, Projects, Power plants, Rosatom

The Chinese state-run nuclear group China National Nuclear Corporation (CNNC) has officially started construction works on Tianwan units 7 and 8 and Xudabao units 3 and 4 nuclear units in China, pouring concrete at Tianwan 7 and Xudabao 3. Construction works will follow at Tianwan 8 and Xudabao 4 within five months. The four units will feature VVER-1200 reactors supplied by the Russian nuclear group Rosatom, as agreed under bilateral strategic agreements signed in 2018. The participation of Rosatom to Chinese nuclear project is regarded as a flagship joint project. The Tianwan nuclear power plant is located in the Jiangsu province and operated by the Jiangsu Nuclear Power Corporation, a joint venture between CNNC (50%), China Power Investment Corporation (30%) and Jiangsu Guoxin Group (20%). The power plant includes six reactors: two 990 MW (1,060 MW gross) VVER-1000 units commissioned in 2007, two 1,060 MW unit (1,126 MW gross)

commissioned in 2018 and two additional 1,000 MW (1,080 MW gross) ACPR1000 reactors, with the first one commissioned in September 2020 and the second one expected in late 2021. The two additional VVER-1200 reactors, Tianwan-7 and Tianwan-8 are expected to be commissioned in 2026-2027. The Xudabao nuclear project, located in the Liaoning province, should include six 1,000 MW units. In 2019, CNNC and Rosatom signed an agreement on the construction of two VVER-1200 nuclear reactors (units 1 and 2) and the general contract for two additional VVER-1200 reactors (units 3 and 4) to be commissioned as soon as 2027-2028.

Source(s): [Rosatom press release](#)

Vladimir Poutine et Xi Jinping saluent les travaux de construction de nouveaux réacteurs nucléaires russes en Chine

Date: 19/05/2021

China, Asia, BRICS, Emerging markets, Nuclear, Electricity, Projects, Companies, Power plants, Rosatom

Les présidents russe Vladimir Poutine et chinois Xi Jinping ont salué le lancement des travaux de construction de nouveaux réacteurs dans des centrales nucléaires en Chine en partenariat avec l'agence russe Rosatom. En tout, la Russie va construire quatre nouveaux réacteurs : deux dans la centrale existante de Tianwan, érigée en partenariat avec Rosatom et qui fonctionne depuis 2007, et deux dans la centrale de Xudabao qui est actuellement en construction.

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

Nine out of 22 energy projects completed under CPEC

Date: 17/05/2021

Pakistan, Asia, Emerging markets, Coal-fired power gen., Thermal, Electricity, Projects, Power plants

The China Pakistan Economic Corridor (CPEC) is gaining momentum. Nine out of 22 energy projects had been completed, while five mega electricity projects in Thar, Kohala, Azad Pattan and others were in the pipeline. After completion of all the projects, Pakistan is expected not only to become self-sufficient in the energy with addition of 17,000 MW electricity to the national grid, but also to be able to export it.

Source(s): [Energy Update \(Pakistan\)](#)

Juridique et institutionnel

Washington renonce à sanctionner la société Nord Stream 2 AG

Date: 20/05/2021

Germany, Russia, Europe, CIS, BRICS, G8, Emerging markets, Natural Gas, Projects, Interconnection (gas), Gas pipeline

Les États-Unis ont annoncé qu'ils renonçaient à imposer des sanctions contre la principale société participant à la construction du gazoduc Nord Stream 2 entre l'Allemagne et la Russie, un projet qui divise Berlin et Washington. L'imposition de sanctions aurait affecté les relations des États-Unis avec l'Allemagne, l'Union européenne, et d'autres alliés et partenaires européens. L'Ukraine, que le gazoduc contourne, et d'autres pays d'Europe de l'Est continuent à demander instamment aux États-Unis de s'opposer au projet Nord Stream 2, mais ils ne sont pas tous favorables à des sanctions contre des entités ou des personnes européennes. Le département d'État ne sanctionne que quatre navires russes poseurs de pipeline et quelques autres entités mineures qui participent aux travaux du gazoduc sous-marin, long d'environ 1 200 kilomètres et achevé à 95%.

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

Venezuela's Maduro says Citgo is key point in opposition dialogue

Date: 14/05/2021

Venezuela, America, Emerging markets, Refined products, Oil, Companies, Refineries

Venezuelan President said the opposition's continued control of Venezuelan-owned U.S. refiner Citgo would be a key point in any eventual dialogue with opponents to resolve the country's longstanding political crisis. Citgo passed to opposition control in 2019 after the United States sanctioned state oil company PDVSA, Citgo's parent. Citgo, the eighth-largest U.S. refiner, owns three refineries with a capacity of 750,000 bbl/d.

Source(s): [Reuters](#)

Innovations technologiques

Energies renouvelables et biocarburants

China Development Integration Limited and China Machinery Engineering Corporation To Establish One Among Largest Solar Projects In Latin America, With 1.1 GW Capacity In Brazil

Date: 28/05/2021

Brazil, America, BRICS, Emerging markets, Solar, Renewables, Electricity, Projects, Power plants

One of the largest solar projects planned in Brazil with 1.1 GW capacity will be built and financed by 2 Chinese companies, CDIL and CMEC. CDIL's subsidiary China-Brazil Integration Group Limited will develop the project through a Brazil incorporated special purpose vehicle (SPV), while CMEC will serve as EPC partner of the project.

Source(s): [TaiyangNews](#)

Reshore, Reroute, Rebalance: A U.S. Strategy for Clean Energy Supply Chains

Date: 19/05/2021

United States, America, G8, Renewables, Electricity, Policy

This report looks at how the United States can strengthen supply chains for clean energy technologies through the lens of industrial competition, cybersecurity and trade policy. It finds that the United States can apply some of the mental models, tools, and institutions used for conventional energy sources to think about supply chains in clean energy—and grow its economy and boost its national security in doing so.

Source(s): [Center for Strategic and International Studies](#)

SPECIAL: Chinese technology wind farms start operating successfully in Argentina

Date: 08/05/2021

Argentina, America, Emerging markets, Wind, Renewables, Electricity, Projects, Power plants

Four wind power parks with Chinese technology began operating in Argentina since April 2020, managing to join the Argentine Interconnection System, contributing to the transformation of the energy matrix of the South American country.

Source(s): [Xinhua Spanish \(Spanish\)](#)

The plan to turn coal country into a rare earth powerhouse

Date: 27/05/2021

United States, America, G8, Renewables, Electricity, Technology

With plans for a Made-in-America renewable energy transformation, the US administration ramps up efforts to extract rare earth minerals from coal waste. The DOE awarded a total of \$19 million to 13 different research groups that plan to assess exactly how much rare earth material is contained in coal and coal waste, as well as explore ways to extract it.

Source(s): [Grist](#)

Hydrogène

The Geopolitics of Hydrogen: Trends and Challenges of the Energy System Transition

Date: 22/05/2021

World, Hydrogen, Policy

Hydrogen has been identified as one of the sources that could facilitate the decarbonisation due to its ability to store and supply large quantities of energy without creating CO2 emissions during combustion. What is certain, however, is that the growing use of this energy vector will have profound geopolitical implications across the world, with the potential of re-drawing the energy, economic, social and security relations maps.

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

Geopolitical impact of long-distance transport of electricity and hydrogen

Date: 18/05/2021

World

There is growing interest in the long-distance transport of energy in the form of electricity or hydrogen. Whereas natural gas and oil are only located in high concentrations in a minority of countries, more countries have an abundance of renewable energy that could be used to generate hydrogen. Thus, the producers in a global hydrogen economy would not have quite the same privileged position as the producers of oil and gas.

Source(s): [PV Magazine](#)

Russia in the Global Hydrogen Race

Date: 03/05/2021

Russia, CIS, BRICS, G8, Emerging markets, Hydrogen, Policy

In October 2020, Russia adopted a roadmap for hydrogen development, and a full-length Hydrogen Development Concept is expected soon. Even though Russia remains somewhat sceptical about hydrogen's much-vaunted transformative potential, it is interested in using its natural gas wealth to become a leading exporter of this new energy carrier and views Germany as a key partner in this effort.

Source(s): [German Institute for International and Security Affairs](#)

Véhicules électriques

MINERALS and MATERIALS SUPPLY CHAINS – CONSIDERATIONS FOR DECARBONIZING TRANSPORTATION

Date: 05/05/2021

United States, America, G8, Renewables, Electricity, Policy

China dominates production of many critical and basic minerals and now also dominates trade flows, with some expanding as much as ten times 2001-2019. China's coal dominated electric power capacity is key to its battery manufacturing. A "rush to materials" to counter China's influence and secure alternative energy supply chains would exacerbate global tensions on many fronts.

Source(s): [Baker Institute for Public Policy](#)

Nucléaire

Concerns grow over China nuclear reactors shrouded in mystery

Date: 19/05/2021

China, Asia, BRICS, Emerging markets, Nuclear, Electricity, Projects

China is building first two CFR-600 sodium-cooled fast-neutron nuclear reactors. Currently under construction, the first of the two reactors is expected to connect to the grid in 2023; the second one around 2026. The two reactors being built on Changbiao are closed fuel cycle nuclear breeder reactors. They produce plutonium. That plutonium could be reprocessed and used as a fuel source for other nuclear reactors. It could also be used to produce nuclear warheads, a lot of nuclear warheads, and produce them very quickly.

Source(s): [Al Jazeera](#)

Russia plans major presence in Argentina with two nuclear plants plus military equipment

Date: 28/05/2021

Argentina, America, Emerging markets, Nuclear, Electricity, Projects, Power plants

Russia plans to build two nuclear power plants in Argentina. Argentina would cede the land for the construction, operation and subsequent maintenance of the plant in exchange for between 20 and 30 years of electricity for a fixed price. Of the two projected plants Russia allegedly intends to support financially, one would be located on the Argentine mainland while the other, a more ambitious one, would be placed at sea.

Source(s): [MercoPress](#)

Can the ocean fuel China's nuclear boom?

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China, Asia, BRICS, Emerging markets, Nuclear, Electricity, Policy

China plans to have a fully operational facility capable of extracting uranium from the ocean in about 10 years. Construction work could start as early as 2026, and once completed the plant would have the capacity to extract tonnes of uranium a year from seawater, where uranium reserves are believed to be 1,000 times more than on land.

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