



Weekly Precious Metals News Articles: October 2, 2021

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Below is a cross section of relevant news article to the world of Precious Metals:

Markets, Supply & Demand, Investment, and Industrial Applications.

Printable PDF version attached. Enjoy-

Gold

- **Gold climbs after U.S. data but still set for quarterly fall**
 - Gold rose 1% on Thursday after the dollar fell on dismal U.S. weekly jobs numbers, but recent declines driven by expectations the U.S. Federal Reserve will soon start tapering its economic support kept bullion on track for a quarterly drop.
<https://www.nasdaq.com/articles/precious-gold-climbs-after-u.s.-data-but-still-set-for-quarterly-fall-2021-09-30>
- **Gold futures climb a day after settling at a roughly 6-month low**
 - “Gold has lost a lot of friends this month,” Ross Norman, chief executive officer at Metals Daily, told MarketWatch. Still, “on paper it has much going for it: incipient inflation, a stagnating economic recovery and equities valuations at nose-bleed levels. Then there’s the debt ceiling and an emerging energy crisis.”
<https://www.msn.com/en-us/money/markets/gold-futures-climb-a-day-after-settling-at-a-roughly-6-month-low/ar-AAOZK9L?ocid=BingNewsSearch>
- **Why is Gold Not Rising?**
<https://goldswitzerland.com/why-is-gold-not-rising/>
- **A Perfect Storm For Precious Metals**
 - In theory, the past week should have been a perfect storm for gold and silver bulls, as the news fed investors a buffet of systemic risks. In one steam tray was China's "Lehman Moment" with the impending default of the China Evergrande Group. In another steam tray was the "game of chicken" over America's impending debt limit. Nearby, investors could find steaming dish of reported hyperinflation fears by UBS clients. And right next to the croissants, were rumors of shortages of industrial parts.
<https://www.zerohedge.com/news/2021-09-24/perfect-storm-precious-metals#>

Semiconductor Related Articles (impacting Precious Metals electronics):

- **Four Charts Show Global Chip Boom Still Has Room to Run**
 - Chip Equipment Sales Trend, Chip Prices, Chip Lead Times, Chip Inventories all point to an industry that has yet to recover.
<https://www.bloomberg.com/news/articles/2021-09-23/chip-demand-still-showing-strength-to-support-asia-economies>
- **Chip shortage expected to cost auto industry \$210 billion in revenue in 2021**

- The semiconductor chip shortage is now expected to cost the global automotive industry \$210 billion in revenue in 2021, according to consulting firm AlixPartners.
 - The new forecast is nearly double the \$110 billion projected in May, according to consulting firm AlixPartners.
 - AlixPartners is now forecasting that 7.7 million units of production will be lost in 2021, up from 3.9 million in its May forecast.
<https://www.cNBC.com/2021/09/23/chip-shortage-expected-to-cost-auto-industry-210-billion-in-2021.html>
- **Why the world is short of computer chips, and why it matters**
 - Chip shortages are expected to wipe out US\$210 billion of sales for carmakers this year, with the production of 7.7 million vehicles lost.
 - “Never seen anything like it,” Elon Musk, Tesla’s chief executive officer, tweeted.
 - Samsung warned that it saw a “serious imbalance” in supply and demand globally. TSMC forecast the shortages could extend into 2022. Some broadband providers were facing delays of more than a year when ordering internet routers. Apple said in April that supply constraints were crimping sales of iPads and Macs, which it said would knock US\$3 billion to US\$4 billion off its third-quarter revenue. In July it added iPhones to the list. Nintendo said that shortages were slowing the production of its Switch gaming device. Toyota Motor suspended output at 14 plants in September.
<https://www.channelnewsasia.com/business/computer-chips-shortage-tsmc-samsung-us-china-tensions-taiwan-2196786>
- **Intel's \$20 billion Arizona chip factories break ground in Chandler**
 - Semiconductor giant Intel officially broke ground Friday on two new factories in Chandler that will represent the largest private investment ever in Arizona at a time when chip suppliers are struggling to meet demand worldwide.
 - The two new factories, or fabs, will complement four existing ones on Intel's 700-acre Ocotillo campus and collectively will mark the company's largest manufacturing complex anywhere in the world. The additional \$20 billion Intel plans to spend will bring the company's total Arizona investment over the past four decades to more than \$50 billion.
<https://www.azcentral.com/story/money/business/tech/2021/09/24/intels-20-billion-arizona-chip-factories-break-ground-chandler/5836524001/>
- **Renesas fights chip shortage with plans for 50% more microcontrollers**
 - Japanese chipmaker Renesas Electronics on Wednesday unveiled plans to raise its capacity to supply a key component in cars and electronics more than 50% by 2023, as some industry watchers predict a global chip shortage could last into next year and beyond.
 - In its updated production strategy starting this year, Renesas plans to boost its capacity for high-end microcontroller units by 50% to the equivalent of 40,000 200mm wafers a month, largely by securing more lines for outsourced production at chip foundries.
<https://asia.nikkei.com/Business/Tech/Semiconductors/Renesas-fights-chip-shortage-with-plans-for-50-more-microcontrollers>

Silver

- **With prices at their lowest in over a year, silver’s ‘close to being a bargain’**
 - “While silver typically finds over half its end-demand from tech and industrial uses, investment flows are what drive prices higher or lower,” says Adrian Ash, director of research at BullionVault. That means silver is facing a “stiff headwind from the global shift toward tighter central-bank policy,” just like gold.

- <https://www.marketwatch.com/story/with-prices-at-their-lowest-in-over-a-year-silvers-close-to-being-a-bargain-11633022288>
- **Highlights from the Silver Institute Market Trends report**
 - Silver is an important part of global connectivity trends. Each of these connectivity applications will require a huge number and a wide variety of sensors, communication, tracking, and monitoring devices; many of these will use silver in their semiconductors, electrical contacts, and elsewhere. The underlying infrastructure supporting this connectivity transition, such as the 5G network and the 'internet of things,' will itself contribute to increased demand for silver. As a result, CRU expects silver demand in electronics and electrical applications to increase by 10% over the next 5 years, reaching 246 Moz by 2025. Consumption in various subsectors with specific exposure to growth in connectivity will increase at a dramatically faster rate.
<https://www.kitco.com/news/2021-09-28/Highlights-from-the-Silver-Institute-Market-Trends-report.html>
- **The U.S. installed 5.7 GW of solar in Q2**
 - The second quarter of 2021 was the 4th best on record as the U.S. installed 5.7 GW of capacity.
 - Sector-by-sector growth was strong. It was a near-record quarter for residential (974 MW), commercial solar was up 31% year over year (354 MW), and there was 177 MW of community solar developed. Perhaps most impressive, 4.2 GW of utility-scale solar was developed, and 9 GW of utility-scale solar was procured.
 - Matt: Silver equivalent of 4.3 Moz of Silver a todays loadings.
<https://www.pv-magazine.com/2021/09/30/the-u-s-installed-5-7-gw-of-solar-in-q2/>
- **Dependence on Silver Could Hamper Terawatt Scale Solar Module Production: Report - Mercom In**
 - Silver consumption level must be reduced to less than 2mg/W to enable a 3 TW market
 - The primary concern in heading towards sustainable PV manufacturing at the TW scale comes from silver due to its widespread use in all major industrial solar cell technologies. It contributes a significant fraction of the non-wafer fabrication cost of the solar cell. Silver consumption level must be reduced to less than 2mg/W to enable a 3 TW market.
 - The current consumption of silver for industrial PERC solar cells is approximately 15.4 mg/W. In the tunnel oxide passivated contact (TOPCon) and Silicon heterojunction solar (SHJ) cells, silver is used on both the front and rear contacts. So, consumption is roughly double at 25.6 mg/W (TOPCon) and 33.9 mg/W (SHJ). This would result in respective silver limited sustainable manufacturing capacities of 380 GW, 230 GW, and 170 GW, given 20% of the 2019 global silver supply.
<https://mercomindia.com/dependence-on-silver-could-hamper/>

Precious Metals Mining:

- **Green 175 MW power for Sibanye-Stillwater platinum group metal mines**
 - A total of 174 MW of clean, green renewable power is on the way for Sibanye-Stillwater's platinum group metal (PGM) mines in South Africa. The total cost of the three-project scheme will be in the order of R2.5-billion to R2.8-billion.
<https://www.miningweekly.com/article/green-175-mw-power-for-sibanye-stillwater-platinum-group-metals-mines-2021-09-27>
- **As Global Demand Increases, Mexico's Silver Production Jumped This Year Becoming One of the Top Silver Producers**
 - In 2020, Mexico once again became was the world's leading silver producer. The Silver Institute (SI) projects 2021 to become a better year for silver production as demand for industrial use is expected to increase. Mexico continues to be the world's top silver producer, despite challenges caused by COVID-19. Industry stakeholders are optimistic that 2021 will be a better year for silver production, especially as its industrial demand continues to grow in the coming years.

<https://www.prnewswire.com/news-releases/as-global-demand-increases-mexicos-silver-production-jumped-this-year-becoming-one-of-the-top-silver-producers-301385283.html>

- **Northam set to reinstate dividend in 2022 as PGM production heads to million-ounce mark**
 - The platinum group metal (PGM) miner bought back 28.9% of its shares as part of wrapping up a BEE deal involving Zambezi Platinum. The company is currently in the throes of a new BEE deal where most of the participants shares will be held in the assets thereby providing the company with greater control at the corporate level.
 - However, Northam CEO, Paul Dunne raised the prospect of a cash return this year. “Whilst considering prevailing market conditions we will look at implementing a dividend policy in the coming year,” he said in Northam’s year-end report.
<https://www.miningmx.com/top-story/47650-northam-to-reinstate-dividend-in-2022-as-production-heads-to-million-ounce-mark/>
- **Carbon emission plans could cost SA’s gold, PGM miners up to 20% of market value**
 - The upfront cost of cutting carbon emissions for South Africa’s precious metal mining companies could be as much as 20% of their market capitalizations.
 - This is according to a report by Nedbank Securities analyst Arnold van Graan who assumed a 30% carbon emission reduction target over 10 years.
<https://www.miningmx.com/news/markets/47604-carbon-emission-plans-could-cost-sas-gold-pgm-miners-up-to-20-of-market-value/>
- **SA’s largest mining unions join to dispute Sibanye-Stillwater’s wage offer**
 - South Africa’s largest mining unions will on Friday hold a press conference to discuss a decision to combine their forces in opposition to Sibanye-Stillwater following a pay dispute they announced jointly on September 29, said Bloomberg News.
 - The National Union of Mineworkers, Association of Mineworkers and Construction Union, UASA and Solidarity are asking for a monthly pay increase of R1,500 for workers in Sibanye-Stillwater’s gold mines. The deal would run over each of the next three years.
<https://www.miningmx.com/trending/47674-sas-largest-mining-unions-join-to-dispute-sibanye-stillwaters-wage-offer/>

E-Waste & Precious Metals Recycle Related:

- **Hydrocarbon Engineering Spotlight with Sabin Metal Corp.**
 - This spotlight session discusses Sabin Metal Corp.’s recent article for Hydrocarbon Engineering, entitled ‘The carbon negatives’, written by Brad Cook, Vice President of Sales and Marketing.
 - The article, which featured in the September issue of Hydrocarbon Engineering, looks at a recent trend that Sabin Metal has noticed in the petroleum and petrochemical refining industry, namely an increasing percentage of carbon and coke found in spent precious metals catalysts that are sent in for reclaim.
<https://www.hydrocarbonengineering.com/spotlight-interviews/24092021/hydrocarbon-engineering-spotlight-with-sabin-metal-corp/>
- **Local furnace builder playing its part in global urban mining**
 - Foundry and engineering company Thos Begbie is supporting recycling and the circular economy by supplying specialist critical components for pyrometallurgical smelting in furnaces designed for reclaiming rare metals.
<https://www.engineeringnews.co.za/article/local-furnace-builder-playing-its-part-in-global-urban-mining-2021-09-24>
- **The Environmental Impact Of Spark Plug Recycling**

- Automotive professionals have not identified an adequate solution to recycle their old spark plugs until now. Every year, auto technicians in the United States replace over a hundred million spark plugs that could be recycled!
<https://pgmrecovery.com/the-environmental-impact-of-spark-plug-recycling/>
- **Apple's new products featuring recycled materials go on sale**
 - iPhone 13 family uses 100% recycled rare earth elements in magnets, 100% recycled tin in the solder of the main logic board, and, for the first time, in the solder of the battery management unit. The new models also introduce 100% recycled gold on the plating of the main logic board and the wire in the front camera and rear cameras.
 - The new iPad features 100% recycled aluminum in the enclosure, marking a major milestone where every single model in the iPad lineup now has a 100% recycled aluminum enclosure, according to Apple. iPad also uses 100% recycled tin in the solder of the main logic board, and 100% recycled rare earth elements in the magnets in the enclosure.
 - Apple Watch Series 7 has more recycled content than any other Apple Watch, featuring 100% recycled rare earth elements in all magnets, including in the Taptic Engine; nearly 100% recycled tungsten throughout the product; and a 100% recycled case on aluminum models.
<https://ptvnews.ph/apples-new-products-featuring-recycled-materials-go-on-sale/>

Platinum

- **Dems Revive Controversial \$1T Platinum Coin to Raise Debt Ceiling in Feud With GOP**
 - The spectre of the possibility of an unprecedented default on the federal government's debt has revived an offbeat suggestion among some Democrats, the minting a \$1 trillion platinum coin to shore up the U.S. Treasury.
 - The idea that the president's administration can issue a \$1 trillion commemorative coin to avoid a debt ceiling crisis has been thrown around for more than a decade.
<https://www.newsweek.com/dems-revive-controversial-1t-platinum-coin-raise-debt-ceiling-feud-gop-1633568>

Fuel Cells/Hydrogen Economy Related Articles:

- **Toyota's Next-Gen Prius Could Get A Hydrogen Internal Combustion Engine**
 - Toyota is reportedly considering a hydrogen internal combustion engine for the next-generation Prius, as part of its plug-in hybrid powertrain.
 - A few weeks ago, Forbes reported that Toyota is getting ready to unveil the fifth-generation Prius in late 2022. This one will likely be a gas-electric hybrid but a second variant allegedly coming in 2023 is rumored to combine a hydrogen internal combustion engine with electric motors. A more recent report by Best Car Web also talks about a hydrogen-powered Prius PHEV but it claims it won't appear in production form before 2025.
<https://www.carscoops.com/2021/09/toyotas-next-gen-prius-could-get-a-hydrogen-internal-combustion-engine/>
- **Cummins gets \$5M boost from DOE to advance hydrogen efforts**
 - The DOE Hydrogen and Fuel Cell Technologies Office money is for the automation of solid oxide electrolyzer cells (SOEC) and stack assembly. Cummins (NYSE: CMI) is spending \$2 million of its own money on a three-year project to make production of the electrolyzer systems more efficient, reduce capital costs and facilitate the scale-up of the hydrogen economy.
<https://www.freightwaves.com/news/cummins-gets-5m-boost-from-doe-to-advance-hydrogen-efforts>
- **Solar-plus-hydrogen for air traffic control**
 - A 19.8 kW PV system is powering a telecommunications antenna at a French air control center. When it produces more energy than needed, the surplus is used to produce hydrogen which is then utilized to produce new electricity via a fuel cell system and provide

power to the antenna during a period of up to five days. For short-term storage, lithium-ion batteries are used.

<https://www.pv-magazine.com/2021/09/28/solar-plus-hydrogen-for-air-traffic-control/>

- **SoCalGas Among First in the Nation to Test Hydrogen Blending in Real-World Infrastructure and Appliances in Closed Loop System**
 - Preliminary results of testing that began earlier this summer show the household natural gas appliances are compatible with up to a 20% hydrogen blend. These initial findings are consistent with previous international research and lab testing. This effort provides key operational and safety experience, including testing for pipeline leaks, that will enable SoCalGas to implement larger scale hydrogen blending demonstrations. SoCalGas continues to test the impacts of blending hydrogen with natural gas on pipelines and appliances.
<https://finance.yahoo.com/news/socalgas-among-first-nation-test-175700327.html>
- **The Middle East Is Looking To Dominate The Hydrogen Race**
 - Many hydrogen projects worldwide are now advancing toward initial financing, it is becoming apparent that the Gulf countries will need to move fast.
 - The UAE could be among the lowest-cost producers of blue hydrogen in the world, while its significant advantages extend also to green hydrogen
 - A struggle may ensue in coming years between countries that are betting big on green hydrogen and those that are making large investments in blue hydrogen
<https://oilprice.com/Energy/Energy-General/The-Middle-East-Is-Looking-To-Dominate-The-Hydrogen-Race.html>
- **Maire Tecnimont Group, Greenfield Nitrogen to Develop USA's First Green Ammonia Unit**
 - Maire Tecnimont's subsidiaries NextChem, MET Development and Stamicarbon have decided to join forces with Greenfield Nitrogen to establish the first green ammonia plant in the USA. NextChem will conduct a feasibility study for the project, MET Development will support the development of the plant whereas Stamicarbon will offer its latest green ammonia technology to the unit. The new facility is expected to produce 240 metric tons of green ammonia per day.
<https://www.process-worldwide.com/maire-tecnimont-group-greenfield-nitrogen-to-develop-usas-first-green-ammonia-unit-a-1060473/>

Palladium

- **Computer Chip Shortage Hurts September Auto Sales, Drives Many Shoppers To The Sidelines**
 - Car dealer profits are so high, that for now they're more than making up for a drop in auto sales volume due to a computer chip shortage. Meanwhile, some analysts expect the chip shortage to last right through 2022.
 - Forecasters also expect the shortage to drive U.S. auto sales lower again in September — down about 25% vs. September 2021, to just over 1 million cars and trucks combined, according to a joint forecast from J.D. Power and LMC Automotive.
<https://www.forbes.com/sites/jimhenry/2021/09/28/computer-chip-shortage-hurts-september-auto-sales-drives-many-shoppers-to-the-sidelines/?sh=1ec10b695387>
- **Palladium Price Analysis: XPD/USD to find support at \$1768 – Commerzbank**
 - Palladium (XPD/USD) is under pressure. But it is expected to find some good support ahead of the 200-week ma at \$1768, Karen Jones, Team Head FICC Technical Analysis Research at Commerzbank, reports.
<https://www.fxstreet.com/news/palladium-price-analysis-xpd-usd-to-find-support-at-1768-commerzbank-202109290949>
- **21 states urge Biden to consider stricter car emissions rules than proposed**

- A coalition of 21 state attorneys general on Monday urged the Biden administration to consider tighter vehicle tailpipe emissions standards than what the administration has currently proposed.
- Last month, the Environmental Protection Agency (EPA) proposed to ratchet up vehicle tailpipe emissions limits after the Trump administration weakened the standards.
- In its proposal, the agency outlined three alternatives, a "preferred alternative" and two others that are less stringent and more stringent, respectively.
<https://www.msn.com/en-us/news/politics/21-states-urge-biden-to-consider-strict-car-emission-rules-than-proposed/ar-AAOV0gE?ocid=BingNewsSearch>

Clean Energy General News (New Section)

- **China orders top energy firms to secure supplies at all cost**
 - China's central government officials ordered the country's top state-owned energy companies — from coal to electricity and oil — to secure supplies for this winter at all costs, according to people familiar with the matter.
 - The order came directly from Vice Premier Han Zheng, who supervises the nation's energy sector and industrial production, and was delivered during an emergency meeting earlier this week with officials from Beijing's state-owned assets regulator and economic planning agency, the people said, asking not to be named discussing a private matter. Blackouts won't be tolerated, the people said.
 - Matt: here comes the coal.
<https://www.mining.com/web/china-orders-top-energy-firms-to-secure-supplies-at-all-cost/>
- **Wind and water - Nickel in clean energy**
 - While the IEA report discusses only electrical power generation, some other clean technologies result in energy in the form of heat. The production of biofuels is a case in point, relying heavily on the use of nickel in the form of stainless steels. In fact, much of the energy mix requires nickel in one form or another, and all the clean energy technologies use nickel.
 - Importance of Nickel
 - High – EV's and Battery Storage, Geothermal, Hydrogen
 - Moderate – Concentrating Solar, Nuclear, Wind
 - Low – Bioenergy, Hydro-electric, solar PV
<https://nickelinstitute.org/blog/2021/september/wind-and-water-nickel-in-clean-energy/>
- **Are China's coal power plants coming to an end?**
 - This announcement to end the construction of coal power plants in other countries occurred one year after the world was taken by surprise by the Chinese president's commitment to his country's carbon neutrality by 2060.
 - Matt: I approach this article with significant skepticism. It states it won't build any outside China. Yet China itself has 300 coal fire plants planned for construction, and over 1 billion mt of coal supply secured globally, out of the 1.7B mt of existing coal mine resources. Impacting within country consumption is the key item to watch.
<https://www.hydrogenfuelnews.com/coal-power-plants-china/8548441/>
- **Europe urged to launch fund to spur rare earth magnet output**
 - EU seeks to cut 95% dependence on China for rare earth magnets
 - Bloc aims to up domestic magnet output by 14-fold by 2030
 - Plan includes investment fund, tax breaks, procurement body
<https://www.reuters.com/business/energy/europe-urged-launch-fund-spur-rare-earth-magnet-output-2021-09-30/>
- **Can the world's most polluting heavy industries decarbonize?**
 - The production of steel, cement, and ammonia emit about one-fifth of all human-caused CO2. Technologies are emerging to decarbonize these problem industries, but analysts warn that big challenges remain.

<https://grist.org/buildings/can-the-worlds-most-polluting-heavy-industries-decarbonize/>

- **Explained: Why China is facing power crunch and its fallout**
 - One of China's worst power shortages is not confined to only the commodities market, though. Termed unprecedented, the power crunch has left millions of Chinese, particularly in northern parts, without power.
 - There are two different reasons for the power crunch, one for the north and another for the south. In the north, it is due to soaring coal prices. In the south, it is due to lower hydropower production.
 - Many industrial units are facing electricity supply crunch, affecting production. China's most industrialised provinces Jiangsu, Zhejiang and Guangdong are the worst hit by the situation.
<https://www.thehindubusinessline.com/markets/commodities/explained-why-china-is-facing-power-crunch-and-its-fallout/article36751119.ece>
- **Next China: Coal Crunch Knocks Out the Lights**
 - Residents intermittently lost power across northeastern China. Offices stopped elevators calling at their first three floors in the southern province of Guangdong. A state-owned carmaker told staff to shut off the air conditioning and open a window instead.
 - Those were some of the scenes as escalating electricity shortages threatened to hobble economic growth and snarl global supply chains. The power crunch that's affected over half of China's provinces was not, however, the result of some unforeseen calamity. It was an example of Beijing's long-term goals crashing very hard into the country's realities.
<https://www.bloomberg.com/news/newsletters/2021-09-30/next-china-coal-crunch-knocks-out-the-lights>

BEV / LiB Battery Market News

- **Ford Announces Massive EV Investments In Tennessee And Kentucky**
 - The company will build its largest auto production complex and a total of three battery gigafactories.
 - Together with its battery partner, SK Innovation, Ford will build manufacturing campuses - "mega-sites" - in Tennessee and Kentucky that will produce the next generation of electric F-Series trucks and the batteries (three gigafactories - total of 129 GWh annually) to power future electric Ford and Lincoln. Production will start in 2025.
 - The total investment is estimated at \$11.4 billion (\$7 billion directly from Ford) and will result in 11,000 jobs. The remaining \$4.4 billion will come from SK Innovation, which is a joint venture partner in BlueOvalSK announced in May.
 - We estimate that the battery plants (43 GWh annually each) will cost about \$2.9 billion each or \$8.7-\$8.8 billion total (shared 50/50 between Ford and SK Innovation).
<https://insideevs-com.cdn.ampproject.org/c/s/insideevs.com/news/536752/ford-massive-investments-tennessee-kentucky/amp/>
- **Jakarta to jolt sliding nickel price – report**
 - At 2021's outset it looked destined for a new range above \$20,000, only for Tsingshan to pull the mat from under bulls with an announcement carefully designed to greenwash the industry it created and keep nickel-pig-iron producers at the trough.
 - The Chinese company has been eating high on the hog despite its not-actually-that-new NPI-to-matte-to-sulphate process being proven to have emissions per tonne worthy of a swine factory farm.
<https://www.mining.com/jakarta-to-jolt-sliding-nickel-price/>
- **The race to make EV batteries sustainable**
 - While numerous governments and automakers have recently announced ambitious plans to transition to emission-free vehicles, many lack a clear road map to where the millions of EV batteries necessary are going to come from.
<https://fortune.com/2021/09/28/ev-batteries-sustainability-electric-vehicles/>
- **China's Huayou Cobalt seeks lithium as expands battery minerals portfolio**

- Huayou Cobalt was looking at lithium opportunities, along with its partners, in Africa, Australia, South America and China's western region Tibet. Fang did not disclose targeted assets or the possible size of deals.
- "We want to be one of the leaders in the lithium battery material industry," Fang said of the company, which has nickel and cobalt projects in Indonesia and precursor and lithium nickel manganese cobalt (NCM) cathode projects in China
<https://www.reuters.com/business/energy/reuters-impact-chinas-huayou-cobalt-seeks-lithium-expands-battery-minerals-2021-09-30/>

Regards –