UK AND ZAMBIA ANNOUNCE CLEAN ENERGY PARTNERSHIP

UK GOVERNMENT PLANS CRACKDOWN ON BATTERY WASTE

TECHMET AND CORNISH LITHIUM SECURE MILLIONS IN FUNDING

COPPER ADDED TO US CRITICAL MINERALS LIST
Welcome to our August CMA (UK) monthly newsletter featuring updates on the critical minerals space. Read on for:

- UK and Zambia Announce Clean Energy Partnership
- TechMet Raises $200M to Develop Alternative Supply Chains
- Cornish Lithium Secures £53.6M Funding from Leading Investors
- Welcoming New Member Digbee to the Association
- Welcoming New Member Unimetals to the Association
- UK Government Plans Crackdown on Battery Waste
- Copper Added to USA Critical Minerals List
- E-Tech Resources Appoints New Chief Executive Officer
- Used JLR EV Batteries to Store UK National Grid Power
- Austrade To Host Financing for Critical Minerals Webinar
- Register for Mines and Money Resourcing Tomorrow 2023
- Register for North East Future Resources Conference 2023
- Register for Fastmarkets European Battery Raw Materials 2023
- News Round Up
- Events Calendar

From Team CMA (UK)

Subscribe to our monthly newsletter by joining our mailing list under 'contact'

This month's newsletter has been put together by Eileen Maes, CMA UK, and Lily Dickson, University of Leeds.

Would you like to feature in a future edition?
Contact Eileen at eileen@criticalmineral.org

@CMA_Minerals  www.criticalmineral.org  Critical Minerals Association (UK)
On 4 August, the Rt Hon James Cleverly MP, Secretary of State for the Foreign, Commonwealth & Development Office, announced a UK-Zambia clean energy partnership.

The partnership will be delivered through the UK-Zambia Green Growth Compact, which aims to drive investment into the growth of Zambia’s green economy by improving social and environmental standards, and creating jobs and business opportunities for both nations.

The targets of the Compact include directing up to £2.5 billion from British private sector investment in Zambia’s mining, minerals, and renewable energy sectors.

This announcement comes just 3 months after the All-Party Parliamentary Group (APPG) for Critical Minerals hosted a reception for His Excellency the President of Zambia, Hakainde Hichilema, and his esteemed delegation of Ministers at the House of Lords on 10 May.
Mining investment firm TechMet has raised $200 million in fresh equity (of which the US Government is a prime contributor), putting it on track to become one of the sector's fastest rising stars with a valuation of more than $1 billion.

The funding will be deployed across TechMet’s existing portfolio of 10 assets-- which includes Brazilian Nickel Plc, Trinity Metals, US Vanadium, Rainbow Rare Earths, UK company Cornish Lithium, and more-- and aims to ease the West's critical minerals shortages and reduce dependency on China for sourcing.

“Recent US legislation supporting the critical minerals sector represent significant steps forward,” says founder and CEO of TechMet, Brian Menell. “However, there is much more work to be done, particularly in the UK and Europe, if we hope to adequately feed the production of batteries, EVs, wind turbines, and other clean energy systems."
On 7 August, Cornish Lithium announced an initial £53.6m investment from a group of leading institutional investors.

"We are delighted to have secured investment from the UK Infrastructure Bank alongside EMG (Energy & Minerals Group), as well as our much-valued partner TechMet," says Jeremy Wrathall, founder and CEO of Cornish Lithium. "This funding will enable us to progress our Trelavour hard rock lithium project to a construction-ready status, as well as completing the engineering design work required to build a demonstration-scale geothermal waters extraction facility."

The funding will accelerate progress towards the creation of a domestic supply of lithium, which is crucial to support the scaling up of battery production for electric vehicles (EVs) and energy storage for renewables.

Brian Menell, Chairman and CEO of TechMet, said: "This major investment package will mean jobs for Cornwall and is a very positive step for the UK energy transition."

READ ON HERE
The Critical Minerals Association (UK) is delighted to welcome Digbee, our newest member, to the Association!

Digbee is a technology company that has developed the only ESG disclosure, ratings and communication platform for the mining sector. The platform has been developed in consultation with and endorsed by tier 1 financial organisations.

Digbee helps mining companies successfully measure, manage, and disclose their ESG ratings. It also offers investors and other stakeholders greater transparency and accuracy in evaluating mining data.

Find out more about Digbee and its products & solutions below.

READ ON HERE
CMA (UK) is delighted to welcome Unimetals, our newest member, to the Association!

Unimetals Group is an execution focused metals recycling and processing business, operating across the EMEA region. They specialize in adding commercial value by optimizing the recycling, processing, refining, and delivery of critical, energy transition, and precious metals and minerals.

Unimetals facilitates the global trade of recycled ferrous, copper, aluminium, and precious bearing metals through container and bulk cargo shipments from various EMEA origins to destinations worldwide. They have built a state-of-the-art processing plant in Abu Dhabi which can extract valuable metals from sources with as low as 20ppm of PGM and other precious metals.

LEARN MORE HERE
On 28 July, Environment Minister Rebecca Pow announced plans to crack down on waste. UK Government is aiming to publish proposals to reform battery regulations for electric vehicles (EVs) by the end of the year, with changes to be implemented from 2025 onwards.

According to SMMT, 1 new EV is registered every minute in the UK. The EV boom is sparking major concerns around a future “waste mountain of batteries” that will accumulate unless recycling is scaled.

Batteries contain critical minerals such as rare earth elements that can be recycled to produce modern and renewable technologies. If they are not properly processed, they also risk leeching pollutants into our ecosystems.

The incoming proposals will include measures to encourage battery R&D in the UK and will be backed with £520m in funding for Innovate UK’s Faraday Battery Challenge.
On 1 August, the US Department of Energy (DOE) officially added copper to its Critical Materials List, following in the examples of Japan, India, Canada, China, and the EU.

This comes after the findings of the DOE's 2023 Critical Materials Assessment, which evaluated materials according to their criticality to global clean energy supply chains.

“The Copper Development Association (CDA) congratulates DOE on its thoughtful, forward-thinking analysis that resulted in copper’s inclusion on the Critical Materials list,” says Andrew Kireta, CEO of CDA, in an official statement.

The US's final Critical Minerals list also includes aluminium, cobalt, copper, dysprosium, electrical steel, fluorine, gallium, iridium, lithium, magnesium, natural graphite, neodymium, nickel, platinum, praseodymium, terbium, and silicon.

READ ON HERE
E-Tech Resources Inc. is pleased to announce the appointment of Todd Burlingame as the Chief Executive Officer (CEO) of the company.

Todd Burlingame brings a wealth of experience and expertise to E-Tech Resources Inc. with a successful career spanning several resource development companies and major projects. Todd played a pivotal role in advancing rare earth element projects in Labrador, Canada.

“We are delighted to welcome Todd Burlingame as our new CEO,” said Jim Megann, outgoing interim CEO. “His remarkable background in resource development and his proven ability to navigate complex challenges make him an excellent fit for leading E-Tech Resources Inc. into its next phase of growth and exploration.”

READ ON HERE
Jaguar Land Rover (JLR) has struck a partnership with Wykes Engineering to develop one of the UK’s largest energy storage systems in the Midlands.

Used electric vehicle (EV) batteries from JLR’s I-PACE series will be converted into large-scale container systems that will be installed at 3 locations across the Wykes-owned Chelveston renewable energy park.

Once operational, each location will store and discharge up to 2.5MWh, enough to serve 750 homes a day.

Recycling batteries is crucial to energy security and building the circular economy. It reduces waste, mitigates demand for virgin raw materials including critical minerals, and saves on network costs as demand increases with electrification.

**READ ON HERE**
On 13 September, the Australian Trade & Investment Commission (Austrade) is delivering a webinar on ‘Australian Government Financial Support for Critical Minerals Projects’.

To develop Australia’s processing and manufacturing capability, the Australian Government provides targeted support to de-risk strategically important Australian critical minerals projects and attract private finance.

This event will include keynote speakers from key Australian financing agencies including Export Finance Australia, the Northern Australian Infrastructure Facility, the Clean Energy Finance Corporation, and the National Reconstruction Fund (Department of Industry, Science and Resources).

If your company is an international investor, offtaker, processor, supply chain integrator, or end user interested in partnering with Australia’s critical minerals companies, this webinar is a must-attend.

**REGISTER FOR FREE HERE**
This year the Critical Minerals Association (UK) is continuing its partnership with Mines and Money to bring Resourcing Tomorrow 2023 back to London.

Join over 2,000 key players from across the mining and energy industries, including investors, educators, government officials, suppliers, and operators from around the world, to grow relationships and do business at the Business Design Centre in Angel.

Click below to register, and don't forget to use CMA (UK)'s exclusive discount code at checkout.

READ ON HERE
From 4 to 5 October, Weardale Lithium’s North East Future Resources Conference (NEFR) will highlight the UK’s emergence as a hub for renewable energy sources and high-value mineral processing, as well as the opportunities across the UK to responsibly extract metals and minerals.

Presenters will demonstrate the importance of the role and growth of the North East to the UK’s economy as a strategic portfolio of assets, ranging from mineral resources to gigafactories, renewable energy projects including geothermal potential, technological innovation, and EV manufacturing.

The event includes an excellent line-up of speakers and delegates, including local and national policymakers, investors, producers, operators and other key stakeholders, as well as activities, networking receptions, and a dinner.

**REGISTER HERE**
This year's Fastmarkets European Battery Raw Materials conference is taking place in Amsterdam, Netherlands, from 18 to 20 September.

The event will provide insight and analysis on the dynamics and regulations currently impacting the European market, from the EU's Critical Raw Materials Act (CRMA) through to the scaling of critical metals production & investment.

With the battery raw materials (BRM) industry facing pressure from growth trajectories, price volatility, and regulatory and supply chain challenges, it’s more important than ever to come together to discuss what’s ahead.

Connect with leaders, innovators, and experts across the BRM supply chain. Book your place with CMA (UK)'s exclusive discount code CMA15 for 15% off your delegate pass!

REGISTER HERE
The following August news articles from Argus Media, Mining Weekly, Mining Magazine, Financial Times, and others, provide an overview of critical mineral mining for:

- Cobalt
- Copper
- Graphite
- Lithium
- Nickel
- Manganese
- Rare Earth Elements
- Tin
- Tungsten
- Vanadium

*The Critical Minerals Association (UK) takes no credit for any articles and makes no endorsement of any of the content.*
Cobalt

• Africa
  ◦ DRC: Trafigura Group [02.08.23]
    ▪ Trafigura’s $600 million cobalt play faces cash crunch in Congo.
    ▪ Read the article here.
  ◦ DRC: Eurasian Resources Group [24.08.23]
    ▪ Congolese Government bids to buy back prized copper and cobalt deposits owned by Kazakh-backed mining and producing company.
    ▪ Read the article here.

• Oceania
  ◦ Australia: Rimfire Pacific Mining Ltd. [29.08.23]
    ▪ 3-hole diamond drilling programme at Bald Hill reveals cobalt content in sulphides.
    ▪ Read the article here.

• South America
  ◦ Chile: Capstone Copper [04.08.23]
    ▪ Capstone building copper-cobalt district in Chile.
    ▪ Read the article here.
  ◦ Chile: Golden Arrow Resources [04.08.23]
    ▪ Golden Arrow Resources: Drilling shows the potential for discoveries of cobalt and copper in Chile project.
    ▪ Read the article here.
Copper

- **Africa**
  - DRC/Angola: Ivanhoe Mines [16.08.23]
    - Ivanhoe's Kamoa Copper signs Memorandum of Understanding (MoU) to ship copper concentrate by rail.
    - [Read the article here.](#)

- **Asia**
  - China: Nanfang Nonferrous [10.08.23]
    - Chinese company to open major copper smelter ahead of expectations.
    - [Read the article here.](#)

- **Europe**
  - Serbia: Zijin Mining Group Co. [28.08.23]
    - Chinese company plans $3.8b expansion of Cukaru Peki copper and gold mine in eastern Serbia.
    - [Read the article here.](#)

- **North America**
  - Canada: American West Metals, Aston Bay Metals [08.08.23]
    - Discovery of copper in Nunavut send Aston Metals shares through the roof.
    - [Read the article here.](#)

  - Canada: Granite Creek Copper [16.08.23]
    - Granite Creek seeks copper major for merger with mothballed Minto mine in Yukon.
    - [Read the article here.](#)
Graphite

• Asia
  ○ China: C-ONE, SRG Mining [31.07.23]
    ▪ SRG shareholder hopes Chinese investment will fast-track company’s graphite development.
    ▪ Read the article here.

• Africa
  ○ Tanzania/Australia: Evolution Energy Minerals [15.08.23]
    ▪ Evolution Energy signs graphite supply deal with China-based BTR.
    ▪ Read the article here.

  ○ Tanzania: Walkabout Resources [18.08.23]
    ▪ Tanzania’s first graphite mine, Lindi Jumbo, on track for production.
    ▪ Read the article here.

  ○ Mozambique: Graphex Technologies, Syrah Resources [02.08.23]
    ▪ Graphex Technologies signs graphite supply deal with Syrah Resources.
    ▪ Read the article here.
Lithium

• Africa
  ○ Ghana: Piedmont [17.08.23]
    ▪ Piedmont commits to funding Atlantic Lithium's Ghana project and acquires 22.5% stake.
    ▪ Read the article here.

• North America
  ○ USA: SQM Lithium Ventures [22.08.23]
    ▪ SQM gains $3 million stake in Electric Era.
    ▪ Read the article here.
  ○ Canada: E3 Lithium [23.08.23]
    ▪ E3 Lithium stock hits 2.5-year high as it advances production testing in Alberta.
    ▪ Read the article here.
  ○ USA: Aether [16.08.23]
    ▪ Zimbabwe’s $1 billion lithium plan faces setback as Chinese partner cuts stake.
    ▪ Read the article here.

• South America
  ○ Argentina: Summit Nanotech, Power Minerals [18.08.23]
    ▪ Summit Nanotech and Power Minerals plan Joint Venture (JV) to accelerate lithium production.
    ▪ Read the article here.
Manganese

• Africa
  ○ Morocco: Ermazon [24.08.23]
    ▪ Ermazon launches manganese extraction operations in Morocco.
    ▪ [Read the article here.]
  ○ Gabon: Eramet
    ▪ French miner Eramet shares tumble as Gabon military coup suspends mining operations.
    ▪ [Read the article here.]
  ○ Ivory Coast: Mako Gold [24.08.23]
    ▪ Mako Gold confirms manganese discovery at Korhogo mine site.
    ▪ [Read the article here.]

• Asia
  ○ India: Manganese Ore India Ltd. [04.08.23]
    ▪ Q1 profits of manganese ore plummet 15.77%.
    ▪ [Read the article here.]

• North America
  ○ USA: Electric Metals [24.08.23]
    ▪ Announcement of continual high-grade manganese mineralization from step-out drilling in Minnesota.
    ▪ [Read the article here.]
Nickel

• Asia
  ◦ Indonesia: Morowali Industrial Park [24.08.23]
    ▪ Indonesian nickel mine implements new measures to address mounting environmental concerns.
    ▪ Read the article here.

  ◦ Oman [24.08.23]
    ▪ Oman nickel mine could rank among world’s largest deposits.
    ▪ Read the article here.

• North America
  ◦ Canada: Magma Mining [31.07.23]
    ▪ Magna’s Crean Hill nickel project PEA outlines after-tax NPV of $175m over 15 years.
    ▪ Read the article here.

  ◦ USA [21.08.23]
    ▪ Nickel firm eyes Texas for $400 million EV battery metal plant.
    ▪ Read the article here.

  ◦ USA: Talon Metal's [21.08.23]
    ▪ Talon Metals’ shares rise on news of high-grade nickel-copper and PGE results in Minnesota.
    ▪ Read the article here.
Rare Earth Elements

• Africa
  ○ Namibia & Japan: Epangelo [08.08.23]
    ▪ Japan signs deal with Namibia to explore for rare earth minerals.
    ▪ Read the article here.

• Europe
  ○ Sweden: European Green Metals [14.08.23]
    ▪ Company expands land position at Olserum rare earth project in Sweden by ten-fold.
    ▪ Read the article here.

• North America
  ○ USA: Ramaco [08.08.23]
    ▪ Board approval for first new US rare earths mine in 70 years.
    ▪ Read the article here.

  ○ USA: Penn State University [25.08.23]
    ▪ Research reveals mussel-inspired nanocellulose coating can extract neodymium from industrial wastewater with minimum energy.
    ▪ Read the article here.

• Oceania
  ○ Australia: Australian Strategic Metals [03.08.23]
    ▪ Australian Strategic Materials signs deal to sell rare earths to US magnet producer.
    ▪ Read the article here.
Tin

• Asia
  ○ Myanmar [03.08.23]
    ▪ Tin price rises on confirmation of mining ban in Myanmar.
    ▪ Read the article here.
  ○ China [09.08.23]
    ▪ China’s refined tin output drops 13% on-month.
    ▪ Read the article here.

• Africa
  ○ Namibia: Andrada Mining Ltd [24.08.23]
    ▪ Andrada Mining increases tin production by a third.
    ▪ Read the article here.

Tungsten

• Asia
  ○ South Korea: Almonty Industries [02.08.23]
    ▪ Rackla Metals stakes new ground in the Tungsten District of the Northwest Territories.
    ▪ Read the article here.

• Europe
  ○ Spain: EQR & Saloro [11.08.23]
    ▪ EQR to acquire Spanish tungsten producer Saloro.
    ▪ Read the article here.
Vanadium

• North America
  ○ Canada: Cachee Gold Mines [10.08.23]
    ▪ Cachee Gold Mines acquires advanced-stage vanadium project with an Inferred Resource Estimate (IRE) of 46 million tonnes.
    ▪ [Read the article here](#).

• Oceania
  ○ Australia: Currie Rose Resources [22.08.23]
    ▪ Currie Rose Resources commences core drilling at the North Queensland Vanadium Project.
    ▪ [Read the article here](#).
EVENTS CALENDAR

SEPTEMBER

• University of Birmingham | **REPM 2023: The 27th International Workshop on Rare Earths & Future Magnets** | Birmingham, UK | 3-7 September 2023
  ○ [Register here](#)

• Cornish Lithium, ABMEC | **Cornish Mining Conference** | Falmouth, UK | 13-14 September 2023
  ○ [Register here](#)

OCTOBER

• Weardale Lithium: **North East Future Resources Conference** | Newcastle-Upon-Tyne, UK | 4-5 October 2023
  ○ [Register here](#)

NOVEMBER

• CMA & GSBF | **3rd Annual Critical Minerals Conference** | UK Parliament, Burlington House | 27 November 2023

• CMA & Beacon Events: **Mines and Money Resourcing Tomorrow** | London, UK | 28-30 November 2023
  ○ [Register here](#)

Interested in speaking and / or attending?

Contact eileen@criticalmineral.org
www.criticalmineral.org

Twitter: @CMA_Minerals
Linkedin: Critical Minerals Association (UK)
Contact: kirsty@criticalmineral.org

Company number 12419306