



**November 29, 2023**

**Press Release: TGEM and Altilium Metals Forge a Sustainable Path in EV Battery Supply Chain with New Joint Venture MoU**

In a groundbreaking development for the Electric Vehicle (EV) industry, PT. Trinitan Green Energy Metals (TGEM), an Indonesian leader in sustainable Class 1 Nickel production, and UK-based Altilium Metals Ltd (Altilium), a pioneer in EV battery recycling, have announced a Memorandum of Understanding (MoU) signed on November 15, 2023. This MoU signifies a major step forward in revolutionizing the EV battery supply chain through sustainability and circular economy principles.

**Key Highlights of the Collaboration:**

- 1. Innovative “AM-STAL Ecopark”:** At the heart of this partnership is the establishment of the “AM-STAL Ecopark” in Indonesia. This advanced facility is designed to produce 20,000 MT annually of low carbon, ESG positive Class 1 Nickel utilizing TGEM’s proprietary STAL technology. The facility will act as a vital feedstock source for Altilium’s UK Teesside EV Battery recycling facility, generating essential battery precursors P-CAM and CAM for utilization in the EV battery manufacturing industry.
- 2. Sustainable and Efficient Processing:** TGEM’s STAL technology, integral to the Ecopark’s operations, offers a more sustainable alternative to traditional HPAL methods. It reduces the carbon footprint and water usage, aligning with global environmental sustainability goals. TGEM’s Zero Waste Initiative further demonstrates this commitment, ensuring all residues are repurposed and eliminating waste.
- 3. Closing the Loop in EV Battery Lifecycle:** Altilium’s plans to build the UK’s largest battery recycling facility will play a crucial role in establishing a circular economy for the battery materials supply chain. This approach ensures sustainable management of EV batteries, allowing their valuable components to be reclaimed and reused, thereby minimizing environmental impact.
- 4. Joint R&D Initiatives:** The MoU also includes a strong emphasis on joint research and development. The companies will collaborate on advancing technologies in battery recycling, precursor development, and exploring new materials that support the green energy transition.
- 5. Global Impact:** This collaboration extends beyond a bilateral achievement; it is a significant contribution to the global EV market. It supports the EV battery supply chain in the US, UK, and EU, promoting a more sustainable and responsible approach to EV manufacturing and recycling.



## **Conclusion:**

The partnership between TGEM and Altilium Metals represents a commitment to a sustainable future. By merging TGEM's innovative STAL processing technology with Altilium's recycling expertise, this collaboration is poised to redefine the EV battery supply chain, focusing on environmental responsibility and circular economy principles. This MoU is a testament to the transformative power of collaborative innovation in the global transition to sustainable electric vehicles.

---

## **About Altilium**

Altilium Metals, a UK-based clean tech group, is revolutionizing the global energy sector with a circular EV battery supply chain. The company aims to provide automotive OEMs with eco-friendly battery materials by recycling minerals from end-of-life EV batteries and mine tailings, reducing resource consumption for a cleaner energy future. To learn more about Altilium Metals go to <https://altilium.tech/>.

## **About TGEM**

With over 50 years of experience in energy solutions, Trinitan Green Energy Metals (TGEM) is an innovative, R&D and technology-driven provider of metal and mineral processing services. TGEM is determined to create efficiency while delivering sustainability and social responsibility to Indonesian communities and the company's customers around the globe. To learn more about Trinitan Green Energy Metals go to <https://tgem.group/>.