



S T R E A M S

SUSTAINABLE TECHNOLOGIES
FOR REDUCING EUROPE'S BATTERY
RAW MATERIALS DEPENDANCE

Press Release #01

Introducing the STREAMS Project

30/01/2024



**Funded by
the European Union**

INTRODUCING THE STREAMS PROJECT

Sustainable Technologies for Reducing Europe's battery raw Materials project

[January 29th, 2024] - Embarking on a groundbreaking mission, the STREAMS Project is set to redefine Europe's position in the battery manufacturing landscape. Funded by the Horizon Europe Programme under Grant Agreement No. 101137771, this pioneering endeavor aims to strengthen the domestic battery materials supply chain, reduce Europe's dependency on imported raw materials, and elevate its resilience, competitiveness, and strategic autonomy on the global battery manufacturing industry.

This three-year initiative addresses the urgent need to strengthen Europe's economic base making it fit for the green and digital transition and less dependent on Critical Raw Materials (CRMs) from third countries.

Led by the AIT Austrian Institute of Technology GMBH, STREAMS addresses the European Union's challenges in sourcing critical raw materials for batteries, including lithium, nickel, cobalt, and more. This initiative aligns with sustainable development goals, targeting clean energy, decent work, responsible consumption, and climate action. Positioned strategically, STREAMS contributes to Europe's battery independence by developing sustainable technologies for recovering raw materials, in line with the Strategic Action Plan on Batteries and proposed regulations.

In order to successfully achieve its goals, STREAMS will focus on:

- **Strengthening the Domestic Supply Chain:** STREAMS will enhance Europe's battery materials supply chain, reducing dependency on imported raw materials and boosting resilience, competitiveness, and strategic autonomy in the global battery manufacturing industry.
- **Comprehensive Technological Solutions:** The project will develop a portfolio of flexible and scalable technologies for the sustainable production of battery-grade precursors, anode, and cathode active materials.
- **Utilization of Diverse Material Streams:** STREAMS will promote the use of different primary and secondary sources, along with recycled battery mass, to further decrease dependence on third countries.
- **Circular Models for Sustainability:** By developing circular models, manufacturing battery cells at pilot scale, and testing according to established standards, STREAMS will identify optimal conditions for future exploitation of project results.



Kick-Off Meeting/Project Launch:

The Project's official launch is scheduled on the 30th and 31st of January. Hosted at the premises of the Project Coordinator, AIT Austrian Institute of Technology GMBH, in Vienna, Austria, this event promises to be a pivotal moment in the journey of STREAMS.

The 2-day Kick-off Meeting will bring together all partners of the STREAMS Consortium, comprising representatives from various organizations, collaborating to redefine Europe's position in the battery manufacturing landscape.

Highlights of the Kick-off Meeting:

Day 1:

- Welcome and EU Project Officer presentation
- Partner presentations
- In-depth discussions on work packages:
 - WP1: Coordination, financials, reporting (AIT)
 - WP2: Resources pre-processing and characterization (Eti Gubre)
 - WP3: Lithium precursor production processes (UOulu)
 - WP4: Transition metals precursor and battery active materials (ULIE)
 - WP5: Graphite and silicon precursor production (NPW)
- Networking during "Speed Dating"
- Working Dinner

Day 2:

- Work package presentations continue:
 - WP6: Characterization and electrochemical testing (AIT)
 - WP7: Sustainability, risk, and circularity assessments (ICL)
 - WP8: Communication, dissemination, and exploitation (F6S)
- Tour of AIT's Battery Laboratories

The event signifies the commitment of STREAMS partners to collaborate, innovate, and drive forward the goals of the project. It will set the stage for productive discussions, knowledge exchange, and the establishment of a strong foundation for the next three years.

STREAMS Team:

- AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH (AIT)
- ETI BAKIR ANONIM SIRKETI/MAZIDAGI SUBESI (Eti Gubre)
- GLOCK TECHNOLOGY GMBH (GTEC)
- SIPOW AS (SiPow)
- INSTYTUT SORBTSIYI TA PROBLEM ENDOEKOLOHIYI NATSIONALNOYI AKADEMIYI NAUK UKRAYINY (ISPE)

- OULUN YLIOPISTO (UOulu)
- ACONDICIONAMIENTO TARRASENSE ASSOCIACION (LEITAT)
- TREIBACHER INDUSTRIE AG (TIAG)
- UNIVERSITE DE LIEGE (ULIE)
- NANOPOW AS (NPW)
- TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU (Tübitak)
- SIEC BADAWCZA LUKASIEWICZ - INSTYTUT METALI NIEZELAZNYCH (IMN)
- ENVIVA IDIOTIKI KEFAIOUCHIKI ETAIREIA/ENVIVA IKE (ENVIVA)
- F6S NETWORK IRELAND LIMITED (F6S)
- UKRAINIAN RESEARCH AND DESIGN INSTITUTE OF ELECTROTHERMAL EQUIPMENT (UNE)
- EVOLUTION ENERGY MINERALS LIMITED (EV1)
- AMERICAN ENERGY TECHNOLOGIES COMPANY (AETC)
- IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE (ICL)
- THE UNIVERSITY OF WARWICK (UoW)

Connect with STREAMS:

Website: <https://www.streams-project.eu/>

LinkedIn: <https://www.linkedin.com/company/streams-eu-project/>

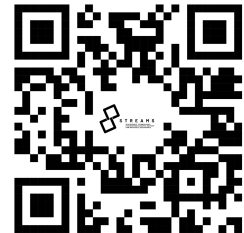
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Facebook: <https://www.facebook.com/profile.php?id=61555357935650>

F6S: <https://www.f6s.com/streams-eu-project/>

Linktree: https://linktr.ee/streams_project



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About AIT Austrian Institute of Technology GMBH:

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