Early Warning System

EIB-20220992

SANDBATTERY (IEU TI)

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Quick Facts

Countries	Germany
Specific Location	Lauenförde
Financial Institutions	European Investment Bank (EIB)
Status	Approved
Bank Risk Rating	U
Voting Date	2023-12-22
Borrower	Graphenix Development Inc.
Sectors	Energy, Industry and Trade, Transport
Investment Type(s)	Loan
Investment Amount (USD)	$ 22.05 million
Loan Amount (USD)	$ 22.05 million
Project Cost (USD)	$ 46.31 million

Project Description

As stated by the EIB, the project concerns a demonstration plant to produce silicon anodes through a coating process. GDI, the promoter, will build the production plant at the equipment supplier's facility in Lauenförde (Germany). Silicon-based anodes are known for their high energy density and faster charging times, making them a sustainable alternative to graphite in lithium-ion batteries.

The EU is heavily reliant on imports of anode materials required for electric vehicles. This project brings production into Europe to strengthen the supply chain while adhering to EU environmental and social standards.

The aim is to deploy a demonstration plant to produce silicon anodes through a coating process. Silicon anodes allow faster changing and higher specific capacity batteries. The facility will be located at the AGC Interpane site in Lauenförde (Germany) and will be used to validate samples for use in the EU automotive sector.

Investment Description

- European Investment Bank (EIB)

Private Actors Description

As stated on the company's LinkedIn profile, GDI develops and manufactures next generation 100% silicon battery anodes in a scalable and cost-effective process that unlocks superior battery performance over standard lithium-ion batteries.

Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	Graphenix Development Inc.	Client	Industry and Trade

Contact Information

No project contacts provided at the time of disclosure.

Client - Graphenix Development Inc.:

Address: Luchthavenweg 10, 5657 EB Eindhoven, The Netherlands
Website: https://www.gdinrg.com/

ACCESS TO INFORMATION

You can submit an information request for project information at: https://www.eib.org/en/infocentre/registers/request-form/request-form-default.htm

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When dissatisfied with a complaint to the EIB Complaints Mechanism, citizens can then turn towards the European Ombudsman. A memorandum of Understanding has been signed between the EIB and the European Ombudsman establishes that citizens (even outside of the EU if the Ombudsman finds their complaint justified) can turn towards the Ombudsman on issues related to 'maladministration' by the EIB. Note that before going to the Ombudsman, an attempt must be made to resolve the case by contacting the EIB. In addition, the complaint must be made within two years of the date when the facts on which your complaint is based became known to you. You can write to the Ombudsman in any of the languages of the European Union. Additional details, including filing requirements and complaint forms, are available at: http://www.ombudsman.europa.eu/atyourservice/interactiveguide.faces

Bank Documents

- Environmental and Social Data Sheet

Other Related Projects

- EIB-20220306 THEMATIC INNOVATION (INVESTEU VD) PL