

 Early Warning System

EIB-20220992

SANDBATTERY (IEU TI)



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 charging 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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Bank Documents

- [Environmental and Social Data Sheet](#)



Other Related Projects

- EIB-20220306 THEMATIC INNOVATION (INVESTEU VD) PL