

 Early Warning System

EIB-20230665

RONDO DEMONSTRATION PIPELINE (IEU GT2)-CATALYST



Quick Facts

Countries	Denmark, Germany, Portugal
Financial Institutions	European Investment Bank (EIB)
Status	Approved
Bank Risk Rating	U
Voting Date	2024-12-11
Borrower	RONDO ENERGY INC
Sectors	Energy, Industry and Trade
Investment Type(s)	Loan
Investment Amount (USD)	\$ 36.77 million
Project Cost (USD)	\$ 81.94 million



Project Description

According to the Bank's website, the project consists of the deployment of the European demonstration pipeline of RONDO's power-to-heat energy storage solution to decarbonize industrial heat supply. It includes the construction and operation of three Rondo Heat Batteries (RHB100) with 100MWh storage capacity each in Denmark, Portugal and Germany and the related research and development activities.

The project is the European deployment of an electric thermal energy storage technology, the Rondo Heat Battery (RHB), that allows long duration storage of electric energy in the form of heat. Radiant heaters powered by electricity rapidly and uniformly heat up to high temperatures the refractory bricks that can store heat for hours or days. The RHB discharges the stored energy in the form of dispatchable high temperature gas or steam for industrial heat supply or cogeneration. The RHB units will be implemented by three subprojects on existing brownfield industrial sites in Denmark, Germany and Portugal.

RHB is an innovative power-to-heat solution to decarbonize heat supply by storing electricity produced by variable RES in the form of heat and ensuring continuous heat supply for utility and industrial use.



Early Warning System Project Analysis

Due to its technical characteristics, the subprojects fall under Annex II3 of Directive 2014/52/EU amending EIA Directive 2011/92/EU, leaving it to the national competent authority to determine whether an environmental impact assessment is required. The subprojects are in early phase of preparation.

Based on the preliminary assessment of the Promoter and its consultant on environmental matters the subprojects are not expected to meet the requirements for an EIA. This conclusion, however, must be confirmed by the screening decision of the competent authorities based on the formal submittal of applications and review of relevant project documentation.

Based on the information provided by the Promoter the subprojects are expected to have limited residual environmental impact. All three subprojects will be located within the sites of established industrial facilities operating under the necessary authorizations obtained during the development and operation phases. On these sites the presence of flora and fauna which may be impacted is negligible and no significant impact on the surrounding landscape is expected. The RHB units do not require significant consumption of natural resources. Concerning steam generation, the water consumption would not be different from the current situation because the RHB units will only replace the current steam generation sources, which are based on natural gas. The Project does not involve significant emissions of hazardous substances to air, water, soil or groundwater. The impact of noise in the surroundings is not significant. The generation of waste materials is limited. The technology does not require a continuous supply of materials, therefore the subprojects are not expected to induce changes in traffic in the area.

Most environmental and social impacts of the Project are expected to be limited, site-specific, temporary during construction and largely reversible with no significant negative residual effects after the implementation of mitigation measures.



Investment Description

- European Investment Bank (EIB)



Private Actors Description

Rondo Energy delivers zero-carbon industrial heat. Rondo Heat Battery powers industrial processes with renewable electricity, cutting energy costs and eliminating emissions.



Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	Rondo Energy, Inc.	Client	-



Contact Information

No contacts available at the time of disclosure.

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 \(ESDS\) - RONDO DEMONSTRATION PIPELINE \(IEU GT2\)-CATALYST](#)



Other Related Projects

- EIB-20230701 THEMATIC GREEN TRANSITION (IEU VD & DEBT) LE II