

 Early Warning System

EIB-20230533

SINES GREEN HYDROGEN PRODUCTION



Quick Facts

Countries	Portugal
Specific Location	Sines
Financial Institutions	European Investment Bank (EIB)
Status	Approved
Bank Risk Rating	U
Voting Date	2024-04-09
Borrower	GALP ENERGIA SGPS SA
Sectors	Energy, Industry and Trade
Investment Type(s)	Loan
Investment Amount (USD)	\$ 195.46 million
Project Cost (USD)	\$ 270.39 million



Project Description

According to the Bank's website, the project will finance the implementation and operation of a very large-scale, grid-connected electrolyser (100 MW) producing renewable hydrogen to be supplied to a refinery.

The project concerns the development, implementation and operation of a large-scale (100 MW) hydrogen production plant. The plant is planned to manufacture renewable hydrogen to be supplied to refinery facilities including to a future large-scale Hydrogenated Vegetable Oil (HVO, i.e. biodiesel) plant, outside of the scope of the project. The hydrogen production plant will be equipped with an electrolyser composed of ten arrays, each with ten 1MW stacks, complemented by associated equipment, such as air cooling, connecting internal pipework and other utility networks. Targeted annual average production volume of the renewable hydrogen over the entire envisaged operating period is in the order of ~10 kt/year. The nominal production capacity amounts to ~15 kt/year.

The project's scope will further comprise one new high-voltage substation (150 kV) to connect the electrolyser to the transmission network with a new transmission line of short distance (6km).

The hydrogen production plant will be located in the municipality of Sines, within the district of Setúbal, Portugal.



Early Warning System Project Analysis

Residual impacts were classified of small magnitude and low significance.

For the transmission line, competent authorities concluded that impacts to the environment during the construction phase are temporary, rated minor to medium, and residual impacts during the operation phase are negligible, incl. those on flora and fauna, visual and cultural heritage, provided the identified mitigating measures will be implemented and respected.



Investment Description

- European Investment Bank (EIB)



Private Actors Description

Galp Energia, SGPS, S.A. is a Portuguese multinational energy corporation, headquartered in Lisbon, Portugal.



Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	Galp Energia SGPS SA	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 \(ESDS\) - SINES GREEN HYDROGEN PRODUCTION](#)
- [Environmental and Social Impact Assessment \(ESIA\) - SINES GREEN HYDROGEN PRODUCTION - Link to EIA re](#)
- [Project data sheet\(s\) - SINES GREEN HYDROGEN PRODUCTION](#)