

 Early Warning System

EIB-20240328

INERATEC POWER-TO-X (IEU GT2) - CATALYST -



Quick Facts

Countries	Germany
Specific Location	Frankfurt
Financial Institutions	European Investment Bank (EIB)
Status	Approved
Bank Risk Rating	U
Voting Date	2024-12-18
Borrower	INERATEC GMBH
Sectors	Energy, Industry and Trade, Transport
Investment Type(s)	Loan
Investment Amount (USD)	\$ 41.40 million
Loan Amount (USD)	\$ 41.40 million
Project Cost (USD)	\$ 111.78 million



Project Description

As stated by the EIB, the project concerns the financing of a pilot carbon neutral e-fuel facility in Germany as well as the R&D cost related to the further development of the company's Power-to-X technology.

The loan will finance the promoter's research, development and investments (RDI) activities, the construction and operation of a first-of-a-kind plant in Germany for the production of synthetic sustainable aviation fuels (e-SAF) as well as other sustainable chemical products.

The project, presented under InvestEU, is co-financed by Breakthrough Energy Catalyst and addresses the climate change transition by helping decarbonise the hard-to-abate aviation industry.



Investment Description

- European Investment Bank (EIB)



Private Actors Description

As stated by the EIB, **INERATEC** produces e-Fuels and e-chemicals: carbon-neutral fossil fuel substitutes for use in the aviation, shipping and chemical industries. Its modular, scalable plants use renewable hydrogen and biogenic CO₂ to produce synthetic kerosene, gasoline, diesel, waxes, methanol or natural gas. It is building what will be the world's largest e-fuels plant to date, in Frankfurt, which will produce up to 2,500 tonnes of ultra-low-carbon aviation fuel per year. The company is based in Karlsruhe, Germany and backed by diverse international investors.

Breakthrough Energy funds breakthrough technologies, advocates for climate-smart policies, and mobilizes partners around the world to take effective action, accelerating progress at every stage.

Breakthrough Energy Catalyst is a novel platform that funds and invests in first-of-a-kind commercial projects for emerging climate technologies. By investing in these opportunities, Catalyst seeks to accelerate the adoption of these technologies worldwide and reduce their costs.

Catalyst currently focuses on five technology areas: clean hydrogen, sustainable aviation fuel, direct air capture, long-duration energy storage, and manufacturing decarbonization. In addition to capital, Catalyst leverages the team's energy-infrastructure-investing and project-development expertise to work with innovators on advancing their projects from the development stage to funding and ultimately, to construction. Learn more about Breakthrough Energy and Catalyst at breakthroughenergy.org.



Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
Breakthrough Energy Ventures LLC	Investor	Finance	invests in	Ineratec GmbH	Client	Energy



Contact Information

No project contacts provided 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>

ACCOUNTABILITY MECHANISM OF EIB

The EIB Complaints Mechanism is designed to facilitate and handle complaints against the EIB by individuals, organizations or corporations affected by EIB activities. When exercising the right to lodge a complaint against the EIB, any member of the public has access to a two-tier procedure, one internal - the Complaints Mechanism Office - and one external - the European Ombudsman. A complaint can be lodged via a written communication addressed to the Secretary General of the EIB, via email to the dedicated email address: complaints@eib.org, by completing the online complaint form available at the following address: <http://www.eib.org/complaints/form> via fax or delivered directly to the EIB Complaints Mechanism Division, any EIB local representation office or any EIB staff. For further details, check: http://www.eib.org/attachments/strategies/complaints_mechanism_policy_en.pdf

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 \(ESDS\)](#)

Media

- [Germany: INERATEC secures €70 million financing commitment for Europe's largest e-Fuel-production p](#)
- [Germany: INERATEC's e-fuel demo plant in Frankfurt gets €70 million from EIB, EU-Commission and Brea](#)



Other Related Projects

- EIB-20230701 THEMATIC GREEN TRANSITION (IEU VD & DEBT) LE II
- EIB-20250073 THEMATIC GREEN TRANSITION (IEU VD & DEBT) LE III