

Urgent: A Turkish company seeks a technology partner for membrane development for lithium extraction from geothermal brines (Eurogia Call30)

Summary

Profile type	Company's country	POD reference
Research & Development Request	Türkiye	RDRTR20260115002
Profile status	Type of partnership	Targeted countries
PUBLISHED	Research and development cooperation agreement	• World
Contact Person	Term of validity	Last update
Enrico FRANZIN	15 Jan 2026 15 Jan 2027	15 Jan 2026

General Information

Short summary

A Turkish energy company is developing the GeoBatt project, which has been invited to submit a Full Project Proposal to Eurogia Call30. The project focuses on sustainable lithium recovery from low-lithium-concentration geothermal brines using a Redox Flow Battery-based approach and aims to integrate recovered lithium into next-generation battery production. The consortium is seeking a partner with expertise in membrane development for RFB systems.

Full description

An international integrated energy company based in Türkiye, with more than 25 years of experience in electricity generation and distribution from renewable energy sources, including geothermal, solar, wind, and hydropower. The company operates a diversified renewable energy portfolio with a total installed capacity of approximately 485 MW, comprising multiple geothermal, hydroelectric, wind, and solar power plants.

Since 2018, the company has been actively engaged in research and development activities and is currently involved in several funded international R&D projects under programmes such as Horizon Europe, SMART, EUROGIA, ERA-NET, and national energy research schemes. It has also successfully completed numerous collaborative R&D projects under Horizon 2020, Horizon Europe, ITEA, ERA-NET, and EUROGIA frameworks, working with more than one hundred partners from over twenty countries.

In addition to its industrial activities, the company contributes to academic and scientific literature by disseminating project results through a significant number of publications over recent years. Leveraging its high production capacity, qualified human resources, diversified energy mix, and strong innovation capabilities, the company aims to play a long-term and leading role in the global energy transition.

Advantages and innovations

Project is focusing on low lithium concentrated brines.

Sustainable and circular lithium recovery from low-lithium-concentration geothermal brines using a Redox Flow Battery (RFB)-based approach.

Reduced environmental impact compared to conventional extraction methods, with lower chemical and water use. Direct integration of lithium recovery with next-generation battery technologies.

Technical specification or expertise sought

We are currently seeking an eligible project partner (not a subcontractor) to develop the membranes to be used in the RFB system. The Full Project Proposal (FPP) will be submitted in April 2026.

Stage of development

Concept stage

Sustainable Development goals

- **Goal 7: Affordable and Clean Energy**

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

We are currently seeking a partner to develop the membranes to be used in the RFB system.

Type of partnership

Type and size of the partner

Research and development cooperation agreement

- SME 11-49
- Big company
- SME <=10
- SME 50 - 249
- Other
- R&D Institution

Call Details

Framework program

Eureka

Call title and identifier

Eurogia CALL30

Submission and evaluation scheme

Anticipated project budget

Coordinator required

No

Deadline for EoI

5 Mar 2026

Deadline of the call

30 Apr 2026

Project duration in weeks

Web link to the call

<https://eurogia.eu/eurogia-calls/>

Project title and acronym

GeoBatt project

Dissemination

Technology keywords

- **04005001 - Geothermal energy**
- **04001003 - Storage of electricity, batteries**

Targeted countries

- **World**

Market keywords

- **03002 - Batteries**
- **06008 - Energy Storage**

Sector groups involved

- **Renewable Energy**