

EU BREAKTHROUGH ENERGY CATALYST PARTNERSHIP



Purpose

The EU Breakthrough Energy Catalyst Partnership seeks to mobilize €840 million in funding for emerging climate technology projects with a potential to accelerate the reduction of greenhouse gas emissions, but which are currently too expensive to roll out at scale and to compete with fossil fuel-based technologies; the so-called "green premium". The projects are large-scale, pre-commercial demonstration projects or industrial scale "first-of-a-kind" projects for clean technologies. Investments are directed towards EU-based projects that deliver on the European Green Deal ambitions and the EU's 2030 climate targets.

Possible Application Areas

- Clean Hydrogen (Delegated Act Compliant) to decarbonize industry and transportation
- Long Duration Energy Storage to provide cleaner and more reliable power in addition to heat
- Sustainable Aviation Fuel to power aviation
- Direct Air Capture to remove CO₂ from the atmosphere
- Industrial Decarbonization of cement, steel, plastics, textiles, and fertilizers

*Projects that are ready-to-build within 9-12 months will be prioritized.

Who Can Apply

The programme targets all types of organisations based in Europe (EU Member States and associated countries to InvestEU), which are developing innovative technologies in the priority areas with high potential for deployment and scale-up.

Deadline

Can be submitted at any time until 31st December, 2027 (subject to availability of funds).

Please Contact Us

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Project Types and Funding Rates

Breakthrough Energy Catalyst, the EIB, and the EC will fund two types of projects under the partnership:

1. Demonstration Projects

Small projects that de-risk earlier-stage emerging technologies.
TRL 5-7

Project size ~€30M-100M

Funding structure:

Venture Debt from the EIB and Grant from Catalyst (~50-60% of Capex).

More information on EIB's Venture Debt product can be found [here](#).

2. Large FOAK Projects

First-of-a-Kind (FOAK) projects focused on emerging climate technology scale-up & market creation.

TRL 6+

Project size ~€100M-1B.

Funding structure:

Equity from Catalyst (max. 49% of Capex, up to €75M), plus Quasi-Equity from EIB (max 50% of total project costs).

For certain projects, where the Green Premium is significant, grants for Opex could be considered by Catalyst and EC (using EU budget resources).

*Grant is negotiated based on project's merits, maturity and potential to reduce the Green Premium.

EU Breakthrough Energy Catalyst Application

There is a two-step application process in which different information must be submitted.

Step 1 Short Online Application

Brief text boxes outlining the project overview, offtake strategy, construction & operations overview and project funding plan.

Step 2 Independent Assessment and Due Dilligence

The EIB performs an independent assessment and technical and financial due dilligence of your project, according to InvestEU rules.

EU Breakthrough Energy Catalyst Process

Nordic Innovators takes the lead in the preparation and submission of a high-quality online application and preparing technical and financial project documentation (Feasibility Study, Business Plan, Financial Model, Project Work Plan, GHG Emissions Avoidance Calculation, Support Annexes). Our collaborative approach ensures timely delivery of a strong EU Breakthrough Energy Catalyst application.

STEP 1

KICK-OFF MEETING

FIRST DRAFT OF ONLINE APPLICATION

ITERATION

QUALITY ASSURANCE

SUBMISSION

STEP 2

POSITIVE EVALUATION

FIRST DRAFT OF PROJECT DOCUMENTS

SECOND DRAFT OF PROJECT DOCUMENTS

QUALITY ASSURANCE

SUBMISSION

In addition, we also provide hour-based services to support you on specific tasks like e.g. market research, drafting of whole financial model and/or refining key metrics, documents review and quality control.