

Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships)

Horizon Europe

CÓDIGO	ÂMBITO
HORIZON-CL5-2027-04-Two-Stage-D2-07	Internacional
LOCALIZAÇÃO	ESTADO
Europa	Pendente
PROGRAMA	CURADORIA DE
Horizon Europe	Marlene Faria
GERADO EM	
25 de setembro de 2026	

Detalhes Financeiros

TIPO DE APOIO	TAXA MÁXIMA DE FINANCIAMENTO
Fundo Perdido	100%
DOTAÇÃO	VALOR ELEGÍVEL DO PROJETO
48M€	Up to 4.8M€

Datas e Prazos

DATA DE PUBLICAÇÃO

25 de setembro de 2026

DATA DE ABERTURA

15 de dezembro de 2026

Fases de Candidatura

- Fase 1: 12 de abril de 2027 às 15:00
- Fase 2: 7 de outubro de 2027 às 15:00

Objetivos

Objectives

This incentive aims to foster the development and validation of innovative battery concepts, with the ultimate goal of enhancing European competitiveness in advanced energy materials and battery technologies. Eligible applicants include consortia from research organizations, companies, and industry stakeholders active in battery development, electric mobility, aviation, and stationary energy storage. The main objectives are to develop low-cost, high-performance, and durable batteries suited for a wide range of applications, such as electric vehicles, aviation, maritime, grid storage, and energy-intensive industries, while integrating sustainability and Safe and Sustainable by Design principles.

Funding

Funding is provided through Horizon Europe Research and Innovation Actions (RIA) under a lump sum scheme. The topic has an indicative total budget of €48 million, including a contribution from the Digital, Industry and Space programme. The European Commission expects to fund approximately 10 projects, corresponding to an indicative EU contribution of around €4.8 million per project. EU co-funding can cover up to 100% of eligible costs, in accordance with Horizon Europe funding rules. Projects should address one of the three thematic areas defined in the call and meet ambitious performance and cost targets, including battery component costs below €35/kWh for low-cost mobility solutions (Area A) and system-level costs below €50/kWh for stationary grid storage applications (Area C).

Despesas Elegíveis

- Personnel Costs
- Travel costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

Elegibilidade

Setores Elegíveis

- Indústria
- Energia & Ambiente
- Mobilidade & Transportes

- Aeroespacial & Defesa

Tipologia das Empresas

- Micro
- PME
- Small Mid-Cap
- Mid-Cap
- Grande
- Entidades não empresariais do sistema de I&I (ENESII)
- Entidades privadas sem fins lucrativos
- Entidades públicas

Modalidade de Candidatura

- Consórcio / Copromoção

Tipos de Ação

- Research and development of advanced battery materials
- Benchmarking against state-of-the-art performance
- Integration and system-level engineering
- Industrial scalability assessment
- Implementation of sustainability principles
- Safety and recyclability assessment

Detalhes do Programa UE

ID DA CHAMADA

HORIZON-CL5-2027-04-Two-Stage-D2-07

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINO

Destination 2: Cross-sectoral solutions for the climate transition

MODO DE SUBMISSÃO

Two-stage

CONTRIBUIÇÃO UE

around 4,800,000 EUR per project

PROJETOS ESPERADOS

10

REGRA DE TAXA DE FINANCIAMENTO

Up to 100% of eligible costs for Research and Innovation Actions (RIA)

Links Oficiais

Regulamento Oficial:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2027-04-Two-Stage-D2-07?order=DESC&pageNumber=1&pageSize=50&sortBy=startDate&keywords=HORIZON-CL5-2027-04-Two-Stage-D2-07&isExactMatch=true&status=31094501,31094502,31094503>

Página no Grantavia: <https://grantavia.com/pt/incentives/novel-approaches-towards-next-generation-battery-concepts-leveraging-the-enabling-role-of-innovative-advanced-materials-batt4eu-and-iam4eu-partnerships>

Agendar reunião: <https://calendly.com/sandra-cardoso-epsa/reuniao>