

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

Horizon Europe

CODICE	AMBITO
HORIZON-CL5-2027-04-Two-Stage-D2-07	Internazionale
LOCALITÀ	STATO
Europa	In Attesa
PROGRAMMA	CURATO DA
Horizon Europe	Marlene Faria
GENERATO IL	
25 settembre 2026	

Dettagli Finanziari

TIPO DI SUPPORTO	TASSO MASSIMO DI FINANZIAMENTO
Fondo perduto	100%
BUDGET	VALORE DI PROGETTO AMMISSIBILE
48M€	Up to 4.8M€

Date e Scadenze

DATA DI PUBBLICAZIONE

25 settembre 2026

DATA DI APERTURA

15 dicembre 2026

Fasi di Candidatura

- Fase 1: 12 aprile 2027 alle ore 15:00
- Fase 2: 7 ottobre 2027 alle ore 15:00

Obiettivi

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).

Spese Ammissibili

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

Idoneità

Settori Idonei

- Industria
- Energia e Ambiente
- Mobilità e Trasporti

- Aerospazio e Difesa

Tipologie Aziendali

- Microimpresa
- PMI
- Small Mid-Cap
- Mid-Cap
- Grande impresa
- Enti di ricerca
- Enti privati non profit
- Enti pubblici

Modalità di Candidatura

- Aggregata / Partenariato

Tipi di Azione

- 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

Dettagli Programma UE

ID BANDO

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

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINAZIONE

Destination 2: Cross-sectoral solutions for the climate transition

MODALITÀ DI PRESENTAZIONE

Two-stage

CONTRIBUTO UE

around 4,800,000 EUR per project

PROGETTI PREVISTI

10

REGOLA DEL TASSO DI FINANZIAMENTO

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

Link Ufficiali

Regolamento Ufficiale:

<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>

Pagina Grantavia: <https://grantavia.com/it/incentives/novel-approaches-towards-next-generation-battery-concepts-leveraging-the-enabling-role-of-innovative-advanced-materials-batt4eu-and-iam4eu-partnerships>

Prenota un incontro: <https://bookings.cloud.microsoft/book/Prenotaunappuntamento@epsa.com/?ismsaljsauth-enabled>