

Integrated Production and Product Development for Next-Generation Lithium-based Batteries for Mobility

Horizon Europe

CODICE	HORIZON-CL5-2026-10-D2-03	AMBITO	Internazionale
LOCALITÀ	Europa	STATO	Aperto
PROGRAMMA	Horizon Europe	CURATO DA	Marlene Faria
GENERATO IL	10 luglio 2026		

Dettagli Finanziari

TIPO DI SUPPORTO	Fondo perduto	TASSO MASSIMO DI FINANZIAMENTO	100%
BUDGET	100M€		

Date e Scadenze

DATA DI PUBBLICAZIONE	Non definita	DATA DI APERTURA	4 giugno 2026
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Fasi di Candidatura

- Fase unica: 8 ottobre 2026 alle ore 16:00 (90 giorni rimanenti)

Obiettivi

Objectives

This incentive is part of Horizon Europe and focuses on scaling up next-generation lithium-based batteries (beyond Gen3) for mobility and strengthening Europe's industrial competitiveness. The call aims to accelerate the industrialisation of next-generation lithium-based batteries (beyond Gen3) for mobility applications, strengthening Europe's technological leadership and competitiveness.

Projects are expected to:

- Meet performance targets at cell and system level (energy density, power, cost, lifetime)
- Boost EU competitiveness in advanced battery technologies
- Develop pilot manufacturing capabilities at scale
- Reinforce the European battery value chain , including automation and advanced equipment
- Improve understanding and manufacturability of next-generation battery interfaces

Scope

The action focuses on scaling up technologies from prototype to industrial demonstration :

- Progression from TRL 4–5 to TRL 6–7
- Development of: Advanced battery cells (e.g. solid-state)
- Pilot production lines and manufacturing processes
- Automation and high-throughput production methods
- Battery modules and packs integrated into real applications

Projects must:

- Target one single transport mode : Automotive, Aviation, Rail, or Waterborne
- Demonstrate full value chain integration , from materials to system level
- Validate performance, safety, and durability under realistic operating conditions

Funding

The incentive is structured to provide EU financial contribution for eligible costs, with maximum co-financing rates and project budgets determined by the topic conditions set out in the call. Funding rates may vary depending on the type of participant, such as up to 100% for certain research organisations or public entities and lower rates for industrial partners. Each project is expected to adhere to specific minimum and maximum budgetary limits, and the maximum duration is subject to the established rules of the work programme. Detailed financial parameters should be verified on the official call page.

Spese Ammissibili

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

Idoneità

Settori Idonei

- Industria
- Mobilità e Trasporti

Dimensioni Aziendali

- Microimpresa
- PMI
- Piccola impresa
- Media impresa
- Grande impresa
- Enti privati non profit
- Enti pubblici

Modalità di Candidatura

- Aggregata / Partenariato

Tipi di Azione

- Innovation Action

Dettagli Programma UE

ID BANDO

HORIZON-CL5-2026-10-D2-03

CLUSTER

5 – Climate, Energy and Mobility

DESTINAZIONE

Destination 2 – Cross-sectoral solutions for the climate transition

CONTRIBUTO UE

100000000

PROGETTI PREVISTI

3

REGOLA DEL TASSO DI FINANZIAMENTO

Up to 70% for Innovation Actions (up to 100% for non-profit entities only)

Link Ufficiali

Regolamento Ufficiale:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-10-D2-03?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2026-10-D2-03&isExactMatch=true&status=31094501,31094502,31094503>

Pagina Grantavia: <https://grantavia.com/it/incentives/integrated-production-and-product-development-for-next-generation-lithium-based-batteries-for-mobility-1>

Prenota un incontro: <https://calendly.com/ines-carreira-fi-group/reuniao>