

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

Horizon Europe

CODE	HORIZON-CL5-2026-10-D2-03	SCOPE	International
LOCATION	Europe	STATUS	Open
PROGRAM	Horizon Europe	CURATED BY	Marlene Faria
GENERATED AT	July 10, 2026		

Financial Details

SUPPORT TYPE	Non-Refundable	MAXIMUM FUNDING RATE	100%
BUDGET	100M€		

Dates & Deadlines

PUBLICATION DATE	Not defined	OPENING DATE	June 4, 2026
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Application Phases

- Fase única: October 8, 2026 at 04:00 PM (90 days left)

Objectives

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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.

Eligible Expenses

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

Eligibility

Eligible Sectors

- Industry
- Mobility & Transport

Company Sizes

- Micro
- Sme
- Small Mid-Cap
- Mid-Cap
- Large
- Private non-profit entities
- Public entities

Application Mode

- Consortium / Copromotion

Action Types

- Innovation Action

EU Programme Details

CALL ID	CLUSTER
HORIZON-CL5-2026-10-D2-03	5 – Climate, Energy and Mobility
DESTINATION	EU CONTRIBUTION
Destination 2 – Cross-sectoral solutions for the climate transition	100000000
EXPECTED PROJECTS	FUNDING RATE RULE
3	Up to 70% for Innovation Actions (up to 100% for non-profit entities only)

Official Links

Official Regulation:

<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>

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

Schedule a meeting: <https://calendly.com/ines-carreira-fi-group/reuniao>