

Higher Voltage, Megawatt Charging System compatible, modular powertrain for Heavy Duty Vehicles (HDV) (2ZERO Partnership)

Horizon Europe

CODE	SCOPE
HORIZON-CL5-2027-03-D5-05	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
September 25, 2026	

Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	ELIGIBLE PROJECT VALUE
16M€	Up to 8M€

Dates & Deadlines

PUBLICATION DATE	OPENING DATE
September 25, 2026	December 15, 2026

Application Phases

- Phase 1: April 14, 2027 at 03:00 PM

Objectives

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The primary objective of this Horizon Europe call is to demonstrate the integration potential and modularity of next-level advanced high-voltage systems, focusing on their impact on cost reduction for Commercial Vehicles (CV), particularly in the Heavy-Duty Vehicles (HDV) segment. The action aims to improve energy efficiency and utilization of HDVs by implementing optimized high-voltage powertrain configurations to support full operational capabilities. Expected beneficiaries include international consortia of legal entities from eligible countries, excluding legal entities established in China.

Funding

This action is implemented as a lump sum grant under Horizon-IA (Innovation Actions). The total budget envelope for this topic is €16,000,000, with an expected EU contribution per project of approximately €8,000,000. The indicative number of grants to be awarded is two. The maximum funding rate is up to 70% for Innovation Actions, as per Horizon Europe rules. Specific eligible cost and funding rules are detailed in the General Annexes and relevant simplified costs decisions for lump sum actions.

Eligible Expenses

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

Eligibility

Eligible Sectors

- Industry
- Energy & Environment
- Mobility & Transport

Company Typologies

- Sme
- Large
- Public entities
- Private non-profit entities

Application Mode

- Consortium / Copromotion

Action Types

- Innovation Actions
- Advanced high-voltage system integration
- Heavy-duty electric vehicle modularization
- Fast-charging infrastructure development

EU Programme Details

CALL ID

HORIZON-CL5-2027-03-D5-05

DESTINATION

Destination 5: Clean and competitive solutions for all transport modes

EU CONTRIBUTION

around 8 000 000 EUR

FUNDING RATE RULE

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

CLUSTER

Cluster 5: Climate, Energy and Mobility

SUBMISSION MODE

Single-stage

EXPECTED PROJECTS

2

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2027-03-D5-05?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2027-03-D5-05&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page: <https://grantavia.com/en/incentives/higher-voltage-megawatt-charging-system-compatible-modular-powertrain-for-heavy-duty-vehicles-hdv-2zero-partnership>

Schedule a meeting: <https://calendly.com/sandra-cardoso-epsa/reuniao>