



Energy efficient urban and sub-urban public transport, complemented by shared mobility

HORIZON-MISS-2026-04-CIT-01

Program:	Horizon Europe Cities Mission
Típus:	Innovation Action
TRL szint:	6-8
Támogatás projektenként:	10M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	04 Feb 2026
Beadási határidő:	08 Okt 2026
Felhívás linkje:	LINK

Public transport is firmly at the centre of sustainable urban mobility policies at EU level and across Member States, in complementarity with active mobility and shared mobility services. However more needs to be done to make sure that urban and suburban public passenger transport, including coaches, and urban mobility service car fleets are energy efficient and attractive. The objective of this topic is to explore and test solutions to increase energy-efficiency and attractiveness of urban and sub-urban public transport, urban mobility service car fleets, and other active and shared mobility solutions, in the pilot sites involved in the proposals, including by facilitating exchange of experiences and good practices and fostering learning at European level. The work should lead to an updated and comprehensive overview of the state of the art of the electrification of urban and sub-urban public transport systems, and urban mobility service car fleets and shared mobility solutions, including an assessment of gaps and shortcomings in existing systems.

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Transition to low-temperature heating solutions in multi-apartment buildings

HORIZON-MISS-2026-04-CIT-02

Program:	Horizon Europe Cities Mission
Típus:	Innovation Action
TRL szint:	6-8
Támogatás projektenként:	6M EUR
Támogatott projektek száma:	3
Pályázati felület megnyílik:	04 Feb 2026
Beadási határidő:	08 Okt 2026
Felhívás linkje:	LINK

Low-temperature district heating systems in urban areas offer higher potential for integration of renewable energy sources and waste heat, but their deployment is slowed down because the existing stock of inefficient buildings has been designed for high-temperature heat delivery systems. The topic supports the creation of the conditions necessary for the conversion of existing supply solutions – district heating, as well as individual heating ones – into low-temperature alternatives, along with reducing and optimising the heat load of buildings. Low-temperature district heating systems in urban areas offer higher potential for integration of renewable energy sources and waste heat, but their deployment is slowed down because the existing stock of inefficient buildings has been designed for high-temperature heat delivery systems. The topic supports the creation of the conditions necessary for the conversion of existing supply solutions – district heating, as well as individual heating ones – into low-temperature alternatives, along with reducing and optimising the heat load of buildings.

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Innovative microgrids for improved energy system integration and efficiency in urban contexts

HORIZON-MISS-2027-04-CIT-01

Program: **Horizon Europe Cities Mission**

Típus: **Innovation Action**

TRL szint: **7-8**

Támogatás projektenként: **7M EUR**

Támogatott projektek száma: **3**

Pályázati felület megnyílik: **09 Feb 2027**

Beadási határidő: **07 Oct 2027**

Felhívás linkje: [LINK](#)

Most electric appliances in buildings are based on Direct Current: PV panels, stationary and e-vehicle batteries, LED lighting, IT equipment, heat pumps and other appliances. Their connection to a LVDC microgrid inside the building would significantly improve energy and materials efficiency and optimise local electrical and/or thermal energy storage and self-consumption of local renewables, contribute to grids stability through demand response and ancillary services , and increase resilience by enabling islanded operation. The required power capacity of the connection of the LVDC microgrid to the AC distribution grid via a central AC/DC converter would be significantly lower than a traditional AC installation, thereby reducing pressure on city grid. The LVDC microgrid could also be implemented at small neighbourhood level (e.g. a street), possibly in parallel to an existing AC grid, enabling more efficient and easier sharing of common energy assets and self-consumption in an energy community

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Hydrogen cities

HORIZON-MISS-2027-04-CIT-02

Program:	Horizon Europe Cities Mission
Típus:	Coordination and Support Action
TRL szint:	-
Támogatás projektenként:	5M EUR
Támogatott projektek száma:	1
Pályázati felület megnyílik:	09 Feb 2027
Beadási határidő:	07 Oct 2027
Felhívás linkje:	LINK

The selected project is expected to establish ‘twinning’ of Hydrogen Valleys (in particular those that have elements relevant for cities or ports) with cities that are interested to decarbonise their local and peri-urban hard-to-abate sectors using hydrogen. Focus should be on hard-to-abate and/or hard-to-electrify sectors, such as industrial uses, heavy-duty and long-distance transport, aviation, maritime uses, or any combination thereof. The use of hydrogen for heating purposes is out of scope. Twinning will help cities to access the best available expertise and tools that can enable them to identify and implement decarbonisation strategies based on renewable hydrogen. To foster cooperation between cities and Member States, it is encouraged that there is a geographical balance between the participating authorities to foster learning from different projects and approaches.

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Inclusive and climate resilient multimodal passenger hubs enhancing modal shift towards sustainable transport and shared mobility

HORIZON-MISS-2027-04-CIT-03

Program:	Horizon Europe Cities Mission
Típus:	Innovation Action
TRL szint:	7
Támogatás projektenként:	9M EUR
Támogatott projektek száma:	2
Pályázati felület megnyílik:	09 Feb 2027
Beadási határidő:	07 Okt 2027
Felhívás linkje:	LINK

This topic focuses on the climate resilience of major multimodal passenger hubs' infrastructures and services connecting cities as well as peri-urban and rural areas. At least three demonstrators per project are required. As defined in the revised TEN-T regulation²²⁵, 'multimodal passenger hub' means a connection point between at least two transport modes for passengers, where travel information, access to public transport and transfers between modes are ensured, such as park-and-ride stations, and which acts as an interface within and between urban nodes and between urban nodes and longer-distance transport networks. Projects will complement the implementation of the above requirement for TEN-T urban nodes by demonstrating concrete solutions for improving the climate resilience of multimodal passenger hubs.

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Advancing circular logistics solutions in cities

HORIZON-MISS-2027-04-CIT-CCRI-04

Program: **Horizon Europe Cities Mission**

Típus: **Research & Innovation Action**

TRL szint: **7-8**

Támogatás projektenként: **7.5M EUR**

Támogatott projektek száma: **3**

Pályázati felület megnyílik: **09 Feb 2027**

Beadási határidő: **10 Okt 2027**

Felhívás linkje: [LINK](#)

The rapid growth of e-commerce and urban logistics has led to an increase in packaging waste, inefficiencies in freight transport, and rising environmental impacts. Current urban logistics systems often rely on disposable packaging and fragmented transport operations, resulting in significant material waste, resource inefficiency and carbon emissions. Addressing these challenges requires innovative circular economy approaches, promoting systemic, innovative, circular and scalable solutions for reducing waste generation, in line with the revised EU Packaging and Packaging Waste Regulation (PPWR)²⁷³, and improving resource efficiency in business-to-business and business-to-consumer logistics.

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Boosting the transformation towards climate-neutral cities, the net-zero economy and open strategic autonomy through Pre-Commercial Procurement

HORIZON-MISS-2027-04-CIT-05

Program:	Horizon Europe Cities Mission
Típus:	Pre-commercial procurement
TRL szint:	-
Támogatás projektenként:	7 to 10 EUR
Támogatott projektek száma:	2-3
Pályázati felület megnyílik:	09 Feb 2027
Beadási határidő:	10 Okt 2027
Felhívás linkje:	LINK

By closing the gap between supply and demand in a way that reinforces EU open strategic autonomy, PCPs can make a key contribution to enhancing the European Union's economy and competitiveness. In order to master the green and digital transition and make our cities climate-neutral and liveable places, European public procurers need to lead by example by procuring more solutions to reduce greenhouse gas emissions. This topic therefore focuses on forward looking procurement of R&D to bring to the market new solutions to reduce greenhouse gas emissions that can increase Europe's resilience and preparedness to tackle the climate challenge.

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