



European V2X Alliance

Press Release



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101056874.

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The European V2X Alliance becomes a reality!

The overall context of the V2X Alliance

According to its 2030 climate and energy framework, the European Union aims to achieve at least 40% cuts in greenhouse gas (GHG) emissions from 1990 levels, at least a 32% share of renewable energy, and at least a 32.5% improvement in energy efficiency. Meanwhile, as part of the European Green Deal, the European Commission seeks to raise the 2030 target to 50-55% cuts in emissions and to reach net-zero emissions by 2050.

The foundation of the European V2X Alliance

In this era where sustainable energy transitions are crucial, Horizon Europe initiatives delved into smart charging solutions for electric vehicles (EVs), aspiring to revolutionise the way we harness renewable energy. One of these initiatives, SCALE (Smart Charging Alignment for Europe), is now establishing the European V2X Alliance, an alliance that promises to spearhead the advancement and implementation of Vehicle-to-Everything (V2X) technologies.

The inception of the European V2X Alliance

The establishment of the V2X Alliance is a paramount component of SCALE's approach to fostering collaboration and enhancing stakeholder engagement. The V2X Alliance is supported by the V2X cluster Horizon Europe projects [EV4EU](#), [DriVe2X](#), [FLOW Project](#) and [XL-CONNECT](#). The European V2X Alliance is designed to encompass a multi-stakeholder group, with the ambition the advancement and implementation of Vehicle-to-Everything (V2X) technologies. This alliance will capitalise on capacity-building activities, best practice replication, and the development of synergy-enhancing events.

Goals and Objectives of the European V2X Alliance

The V2X Alliance has several core objectives that align with the broader goals of the SCALE project:

1. Facilitating Cross-Sectoral Collaboration:
By bringing together a diverse range of stakeholders from different value chains, the alliance seeks to foster synergies and improve collaboration across the EV ecosystem.
2. Capacity Building and Knowledge Sharing:
Through training courses, webinars, conferences, and publications, the alliance will enhance stakeholders' understanding and capabilities in smart and bi-directional charging.
3. Standardisation and Policy Advocacy:
The alliance aims to create a standardised framework for charging infrastructure, legal and technical integration of V2X technologies, as well as spatial integration strategies.
4. Post-Project Implementation:
Ensuring the legacy of SCALE's results by promoting ongoing deployment and exploitation of its findings after the project's end.



Engaging diverse stakeholders

To achieve its ambitious goals, the V2X Alliance will cater various target groups:

- Citizens and End-Users: EV drivers are central to the success of smart charging and V2X technologies. Engagement activities including surveys, workshops, and co-design initiatives will ensure their active participation and contribution to the system design.
- Industry Players: The involvement of vehicle manufacturers, grid operators, CPOs, and energy suppliers is crucial. These stakeholders will benefit from joint procurement strategies, participation in capacity-building exercises, and access to SCALE's insights and deliverables.
- Local and Regional Authorities: Policymakers and urban planners will have the chance to integrate SCALE's smart charging solutions into their climate action plans, guided by the project's validated concepts and strategic frameworks.
- Academia and Research Institutions: Researchers will have access to open science resources, enabling them to exploit SCALE's data and findings while adhering to GDPR and confidentiality regulations.

What to expect

The European V2X Alliance, in its final form, will consist of at least 50 external key actors and will be built through existing partnerships, Innovation Clusters, EU projects, as well as networks with cities, regions, and operators. The representatives of each organisation that chooses to compose the V2X Alliance can expect their future presence and participation in the alliance's activities (both virtually and in-person). This includes the possibility to participate in online and physical meetings, use-case tests in selected pilot locations, and knowledge-exchange activities (webinars and e-courses).

Participation in the alliance is voluntary, but its members will be strongly encouraged to sign an MoU (Memorandum of Understanding). After having expressed their interest, members of the alliance can join the group without any legal procedure and are not in any way bound by any legal obligations. Similarly, members may choose to quit the alliance without any legal procedures required. Nevertheless, upon accepting to participate in the alliance, members are expected to comply with basic antitrust and GDPR rules. Finally, participation in the European V2X Alliance does not entail any kind of remuneration or monetary compensation for its participating members.

The path forward

The establishment of the European V2X Alliance marks a milestone in the journey to advance smart charging and V2X technologies. By fostering collaboration across sectors, building capacity, and advocating for standardisation, the alliance is set to play a pivotal role in shaping the sustainable energy landscape of Europe. As we look forward to the future, the legacy of SCALE's efforts will live on through the enduring impact of the V2X Alliance. Together, we can harness the flexibility of EV batteries to create a resilient and sustainable energy system for all.

How to join

Interested members can express their interest in joining the European V2X Alliance by contacting the following SCALE partners:

- **Baerte de Brey (ElaadNL)** – SCALE's Project Coordinator ElaadNL
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- **Pedro Gomes (POLIS Network)** – SCALE's Communication, Dissemination, and Exploitation Manager
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About SCALE

SCALE explores, tests, and validates various smart charging and V2X ecosystems, with the ultimate goal of creating a resilient and user-centric energy system. The project tests and validates a variety of smart charging and V2X solutions and services in 13 use cases in real-life demonstrations in 7 European contexts: Oslo (NO), Utrecht (NL), Eindhoven (NL), Toulouse (FR), Greater Munich Area (GER), Budapest/Debrecen (HU) and Gothenburg (SE). The initiatives within these cities are expected to generate invaluable insights, best practices, and lessons learned, benefiting stakeholders across Europe and shaping a blueprint for future implementations.

