



Boosting the integration of urban commercial electric vehicles with high power fast-charging infrastructure



Smart tools for fleet level optimisation



Interoperable high power charging systems



Innovative energy storage systems and charging management strategies



Key Innovations

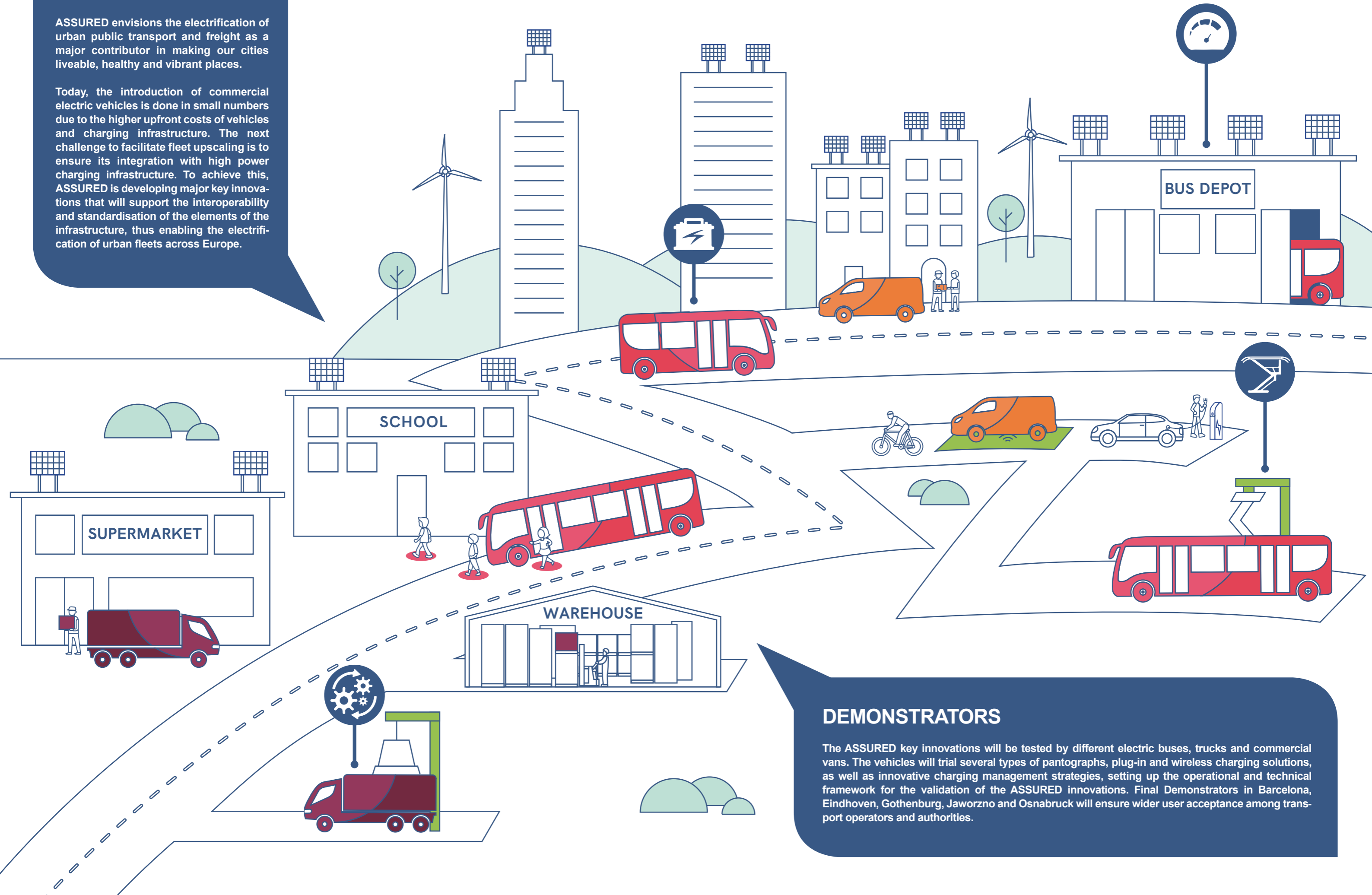


Charger-vehicle interoperability and standardisation

ABOUT

ASSURED envisions the electrification of urban public transport and freight as a major contributor in making our cities liveable, healthy and vibrant places.

Today, the introduction of commercial electric vehicles is done in small numbers due to the higher upfront costs of vehicles and charging infrastructure. The next challenge to facilitate fleet upscaling is to ensure its integration with high power charging infrastructure. To achieve this, ASSURED is developing major key innovations that will support the interoperability and standardisation of the elements of the infrastructure, thus enabling the electrification of urban fleets across Europe.



DEMONSTRATORS

The ASSURED key innovations will be tested by different electric buses, trucks and commercial vans. The vehicles will trial several types of pantographs, plug-in and wireless charging solutions, as well as innovative charging management strategies, setting up the operational and technical framework for the validation of the ASSURED innovations. Final Demonstrators in Barcelona, Eindhoven, Gothenburg, Jaworzno and Osnabruck will ensure wider user acceptance among transport operators and authorities.



Scope ASSURED is aimed at boosting the electrification of urban commercial vehicles and their integration with high power fast charging infrastructure.

Duration Oct 2017 – Sept 2021 [48 Months]

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