

OPEVA

Optimization of Electric Vehicle Autonomy

Challenges and objectives

OPEVA aims to foster the **transition towards sustainable electric mobility**, by addressing key technological challenges in seamless integration of eco-friendly, trustworthy and efficient Electric Vehicles and charging infrastructures.

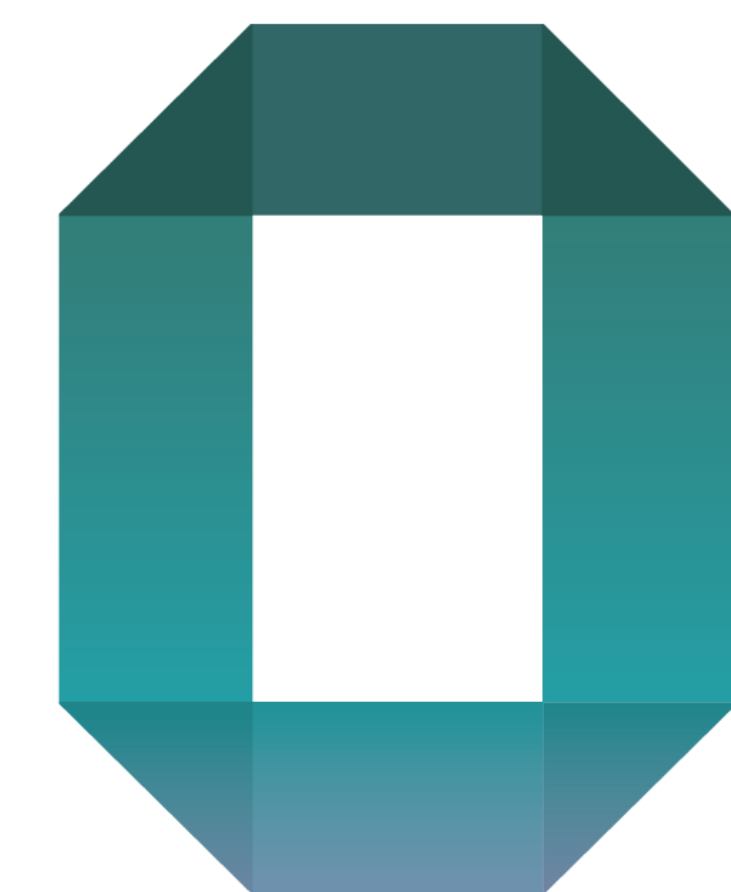
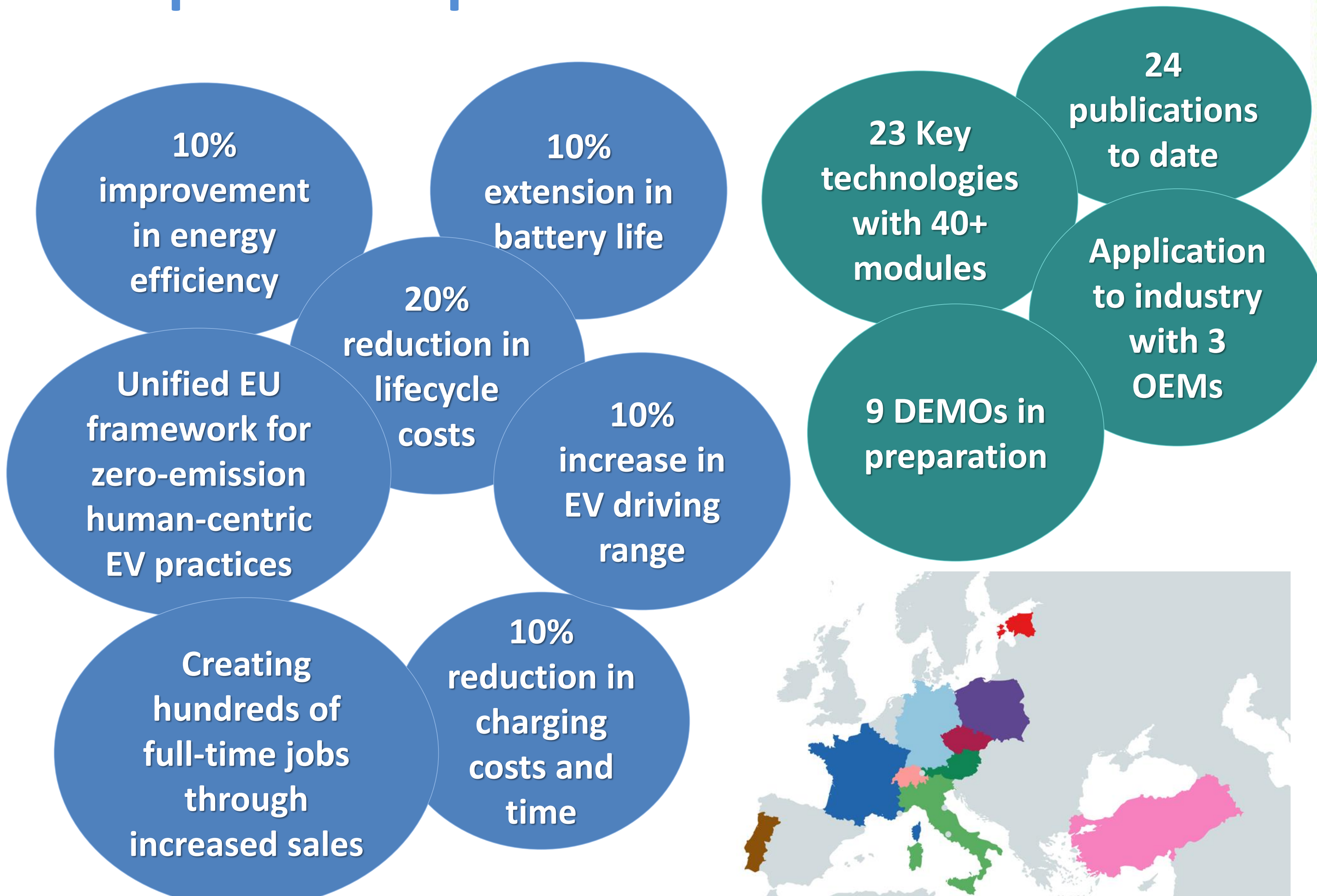
With **23 Key Technologies (KT)**, OPEVA focuses on enhancing vehicle and charging efficiency, improving driver experiences, boosting EVs market growth and strengthening European expertise in automotive and Cooperative, Connected, and Automated Mobility (CCAM).

Technical goals

OPEVA brings together **35 partners** from **10 European** countries, covering the whole value chain of the electric mobility that includes:

- **Cloud support** and **communication services** for seamless **data exchange** and **robust connectivity** between vehicles, infrastructure, and backend systems.
- **Battery Management systems** to optimize performance, reliability and efficiency of EV power sources.
- **Energy-aware intelligence** and **prediction mechanisms**, using AI/ML to forecast demand, optimize usage, and improve efficiency.
- Integration of EVs with charging infrastructures and renewable energy, promoting sustainable **charging practices** and ensuring **grid stability**.

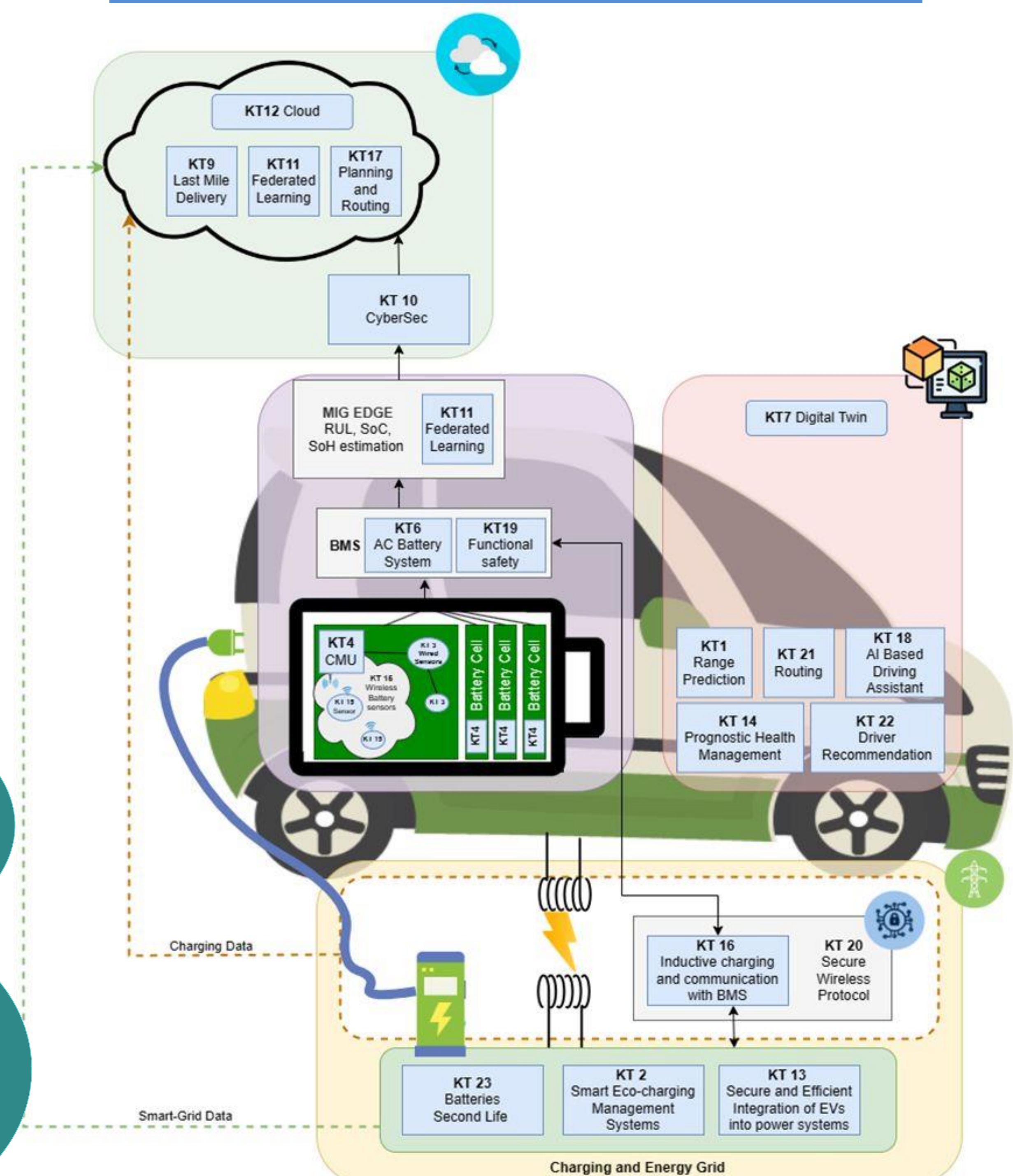
Expected impact & Achievements



OPEVA

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Additional information

For project updates, please follow us:

Website: <https://opeva.eu/>

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