



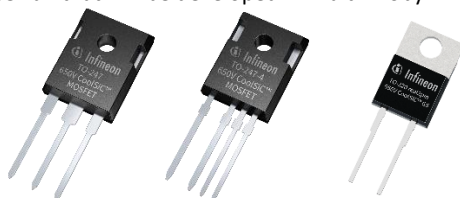
Multi-Moby newsletter

Multi-Moby (Safe, Secure, High Performing, Multi-Passenger and Multi-Commercial-Uses Affordable Electric Vehicles) is an ambitious **Horizon 2020 project** aiming at quickly finalising the results of a cluster of European GV and FoF projects addressing the development of **technology for safe, efficient and affordable urban electric vehicles**. A fleet of multi-passenger and multi-purpose commercial vans will be manufactured assuring:

- **Best-in-class safety** for occupants and Vulnerable Road Users (VRUs) protection as required by the M1/N1 regulations
- **Driving automation capabilities** by adopting the most extensively tested sensing and computing platforms, with the addition of low-cost scanning and night vision functionalities
- **High efficiency 48V and 100V powertrains** adopting the most advanced power semiconductor technologies, including Si, SiC and GaN
- Robust **battery packs based on hybrid cells** with specific energy close to 200 Wh/kg at pack level
- **On-board charger integrating a DCxxV-DC12V converter** optimised for the two voltages of interest
- Advanced **Electric Electronic (EE) architecture with secure procedures for remote updates and upgrades** of the firmware and predictive maintenance, by applying advanced artificial intelligence (AI) methodologies
- Application of **low-cost, flexible, agile and lean manufacturing** through a low-investment **micro-factory concept**
- **Competitive price positioning** with respect to existing and forthcoming fully electric urban passenger and commercial vehicles.



Passenger vehicle and multipurpose van that will be developed in Multi-Moby



Sample of semi-conductor devices that will be assessed in Multi-Moby

For more information:

- Visit our project web page: <https://www.multi-moby.eu/>
- Follow us on our LinkedIn page: <https://www.linkedin.com/company/eu-project-multi-moby/>
- Follow us on Twitter: <https://twitter.com/MobyMulti>



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