



Integrated Enabling Technologies for Efficient Electrical Personal Mobility: P-MOB

Advanced systems integration including:

- Fail safe and efficient distributed propulsion
- On-board Integrated solar cells
- Hybrid energy-power accumulators
- ICT technologies for bidirectional vehicle to grid connections

Expected Impact

Developments of all major building blocks for efficient EVs

First Results

- Demonstration of a completed efficient and fail safe powertrain
- Technologies for on-board smart PV: efficiency 20%, energy 2kWh/day
- Packaging of accumulators with robust and simplified management
- V2G and on-board data management via smart phone remote control

Key Words: Distributed Propulsion, Smart Solar Harvesting, Hybrid Accumulators, V2G+I



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