

Routes for easy Battery management and Intelligent grid Neutral solutions

Objectives:

- Holistic approach for energy management including on-board harvesting, cooling and heating
- lego-style battery packaging
- light battery swapping solutions
- low cost-of-ownership
- new business models

Expected results:

- ultra wide e-vehicle range. Zero anxiety

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Info about project/project structure (Integrated Project):

Subproject 1: Energy management including cooling and heating of passengers and subsystems

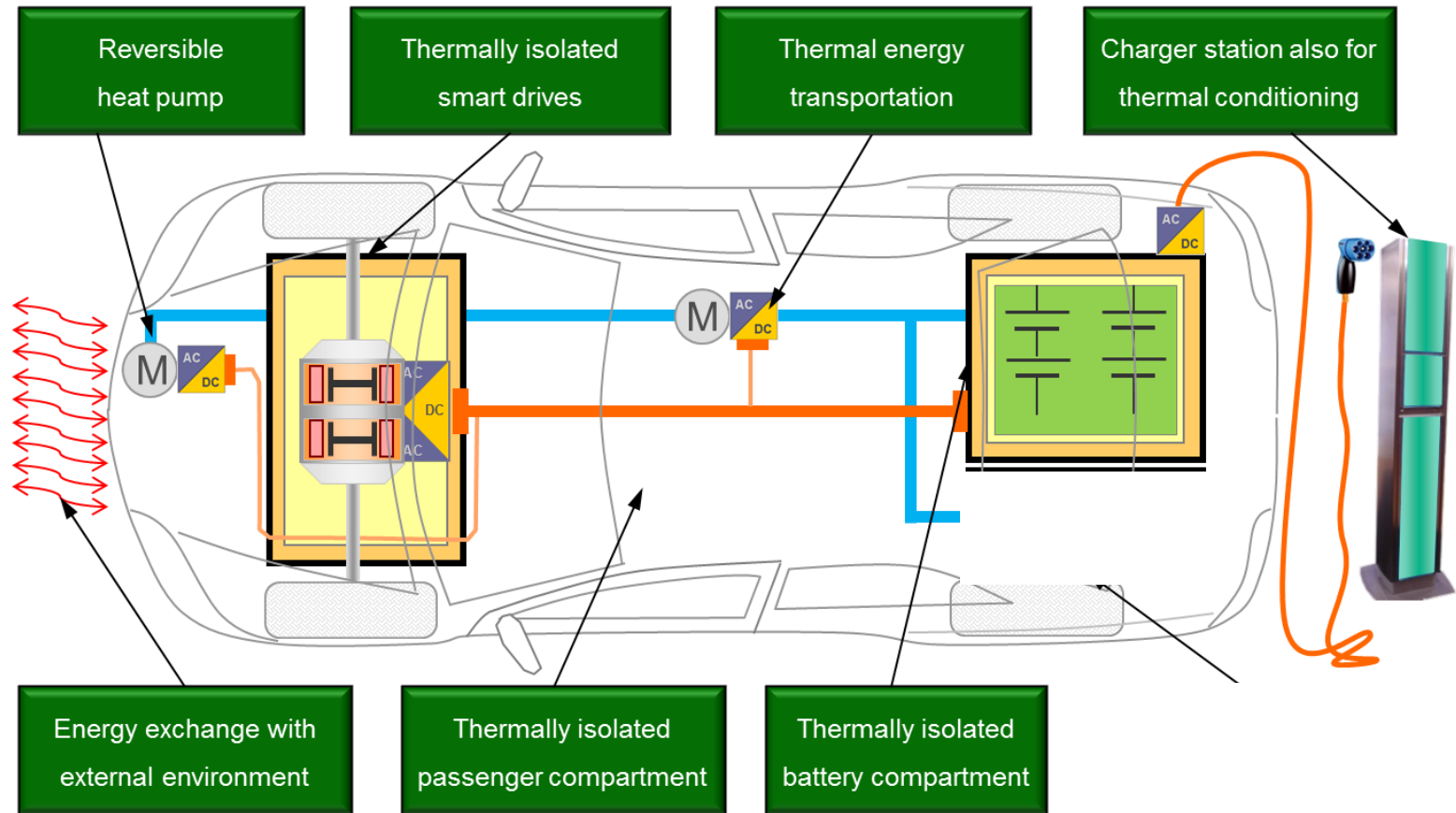
Subproject 2: innovative lego-style accu- pack featuring high power, high energy and extended life w/ integrated management

Subproject 3: grid-neutral fast charging stations

PPP: EGCI

Topic GC-ICT-2013.6.6 b)

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Organisation
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Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
1	Torino e-district	NoE	ITA	Battery management systems Chassis Vehicles
2	Fraunhofer Gesellschaft	RTD	GER	Cell chemistries and BMS
3	STMicroelectronics	IND	ITA/FRA/ GER	Semiconductors
4	West Midlands		UK	Implementation and testing
Required Partners				
S.No	Profile	Type	Country	Role in the project
	OEM	IND	FRA-GER	EV design and manufacturing
	good distributions, road restorations	IND	FRA, ES	Fast charging station ideployment

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The de-facto district

7 winning companies already cooperating in research projects



Electronic power systems



Transmissions



Semiconductor technologies

Lightweight steel



Car prototypes, style



electromobility, system integration

ISTITUTO PM s.r.l.

Magnetic material technologies

A supply chain of more than 10,000 headcounts

