



Feasibility analysis and development of on-road charging solutions  
for future electric vehicles

# Welcome to the FABRIC One-Day Conference!

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FABRIC Conference, Brussels, 2 Feb. 2016



# Paving the way for wireless dynamic charging

Present

Future

Plug-in static		Conductive dynamic		Inductive dynamic	
Cons	Pros	Cons	Pros	Cons	Pros
User discomfort		Visual pollution	Easy installation	Expensive infrastructure	Smaller batteries
Long charging duration		Expensive pantograph systems	Smaller batteries		Cheaper EVs
Large and expensive batteries			Extended range		Extended range
Expensive EVs			Comfort		Comfort
Vehicle must be parked			Increased mobility		Increased mobility
					No visual pollution

# Goals of FABRIC One-Day Conference



# Discussion topics

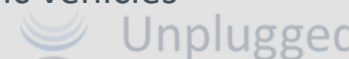
- ❖ Status and outlook of wireless EV charging
- ❖ Interoperability in electromobility (eMI<sup>3</sup> platform)
- ❖ Standardization activities in electromobility
- ❖ IEC standardization work in wireless power transfer for EVs



- ❖ Round Table: Is wireless charging the solution for range anxiety?

## ❖ R&D initiatives towards electromobility deployment

- UK feasibility study into implementing DWPT on the strategic road network
- Two electrified roads tested in real environment in Sweden
- Project Victoria - The first Spanish showcase for DWPT
- UNPLUGGED – Interoperable inductive charging for electric vehicles
- The FastInCharge project concept
- Roadmap for the deployment of the Electric Vehicle Charging Infrastructure
- Increase the efficiency and/or coil distance for DWPT with Magnetizable concretes





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# Thank you!



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