



# Short range freight transport with full electric vehicles

Industrial and urban applications for sustainable logistics

Lucca  
July 10th 2015  
*LUCENSE, Polo Tecnologico Lucchese*

Participation is free of charge. Prior on-line registration is required before July 9



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## PROGRAMME

9.30 - 9.45

Registration

9.45 - 10.00

Welcome address

*Claudio Romiti - Associazione degli Industriali di Lucca*

*Pietro Antonio Scarpino - Associazione Italiana di Elettrotecnica, Elettronica, Automazione, Informatica e Telecomunicazioni (AEIT)*

*Romano Giglioli - Università di Pisa - Dipartimento di Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni*

10.00 - 10.10

Introduction: overview on transport & logistics in the local paper industry

*Stefan Guerra, Federico Sebastiani - LUCENSE*

**Session 1 – Converting conventional freight vehicles to electric vehicles**

10.10 - 10.30

The electrification of heavy duty vehicles and tractors for short range transport of goods and cargo: the experience of an electric vehicle converting company

*Filippo Mantovani - Elettromeccanica Costa e Zaninelli*

10.30 - 10.50

The electrification of vans for short range transport of goods: the experience of an electric vehicle converting company

*Welles Guerrieri - Electric vehicles*

**Session 2 – Technologies and energy storage systems and vehicles operating range**

10.50 - 11.10

Energy storage systems market for freight electric vehicles and power services: a manufacturer point of view

*Roberto Isidori - Midac (VR) [www.midacbatteries.com](http://www.midacbatteries.com)*

*Coffee break*

11.30 - 11.50

Electrochemical energy storage systems for programmed renewable energy feed-in to the grid and for power services

*Emiliano Niccolai - Generplus (LI) [www.generplus.it](http://www.generplus.it)*

**Session 3 – Energy Management**

11.50 - 12.10

Advanced fast charging systems

*Giovanni Pedè - ENEA*

12.10 - 12.30

Demand contribution to the service systems of full electric vehicles and to charging systems

*Davide Poli - UNIFI*

12.30 - 12.45

Energy Efficiency Certificates for zero emission transport

*Roberto Cappagli - 3e ingegneria*

12.45 - 13.00

Discussion

*Light lunch*

**Session 4 - Demonstration activities**

14.00 - 15.00

Demonstration

*Full electric heavy duty vehicle of Elettromeccanica Costa e Zaninelli, MN*

*Full electric van of Electric Vehicle Srl, MO*