



Transport Information Days

CARTIF Foundation

M^a Ángeles Gallego de Santiago
magal@cartif.es



Brokerage event

18 July 2012

Brussels (Charlemagne building, Rue de la Loi 170)

CARTIF Foundation



M^a Ángeles Gallego de Santiago
Automation and process control

magal@cartif.es
www.cartif.com
+34 983 54 65 04



CARTIF Foundation



Remote monitoring

Electric drives diagnosis

Signal analysis

Prediction models

Battery ageing diagnosis

Battery charge status monitoring

ICT common user interfaces



CARTIF Profile



GC.SST.2013-2. Next generation electric motors

Energy optimization	Control techniques	Fault diagnosis using mathematical models	Over 15 years experience in electric drives
---------------------	--------------------	---	---

GC.SST.2013-3. Future light urban electric vehicles

Fault detection and diagnosis	Drives modelling	Control algorithms for low energy consumption	Availability of tests benches
-------------------------------	------------------	---	-------------------------------

SST.2013.2-2. New concepts for railway infrastructure and operation: adaptable, automated, resilient and high-capacity

Automatically adjustable maintenance planning based on updated input from suppliers, production stops, etc.	Forecast techniques: statistics and machine learning	Failure forecasting based on historical data, without using sensors.	Design of a contactless NDT probe carrier for detecting track irregularities.
---	--	--	---

SST.2013.1-1. Railway infrastructure optimisation and monitoring for further noise reduction

Algorithms for detecting and classifying defects in a non-supervised and incremental way	Design of a contactless NDT probe carrier for detecting track irregularities.
--	---