

Christophe VILLEDIEU

Project Manager Electric Vehicle

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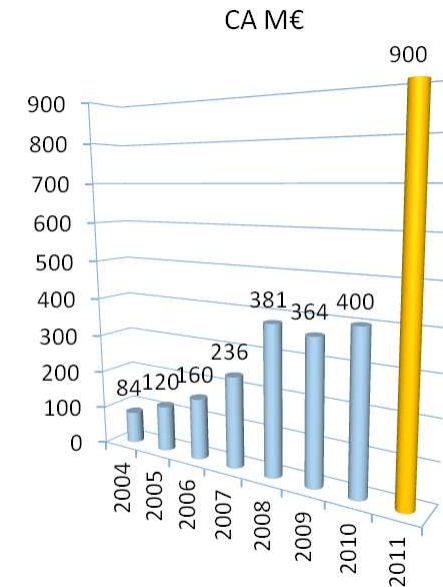
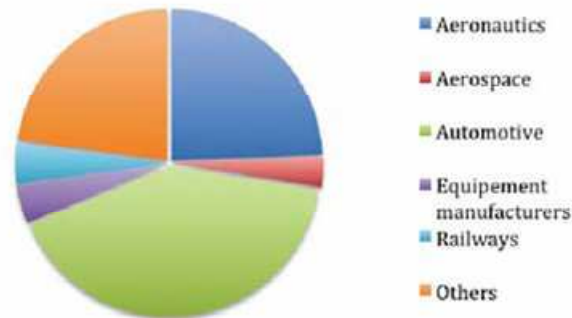
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 **CRDTA**  
Centre de recherche et de développement, des technologies alternatives  
*Inventer l'avenir, notre raison d'être*

**AKKA**  
TECHNOLOGIES

# AKKA, a reference player

- European Engineering and Technology Consultancy Group
- Support the major clients at each stage in the life-cycle of their products
- One of the market leaders in Europe
- 2011 Forecast: 900 M€ for 10 000 employees
- A balanced and diversified portfolio of activities
- Locations: All in Europe, Russia, India, Canada, China, Turkey, ...



## CRDTA, The Akka Innovation platform

- First one R&D Department on consulting business
- About 80 to 100 engineers
- 10 patent applications since 2010



# Astute car, full electric vehicle



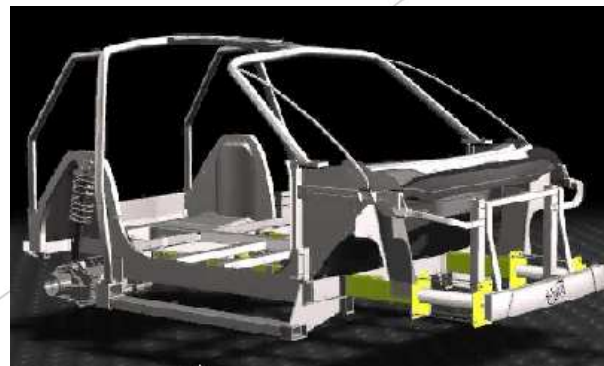
*Astute car - Geneva Motor Show 2011*



*Rolling prototype (innovative command laws)*



*Motor wheel*



*Innovative impact scenario  
with composite crashbox*



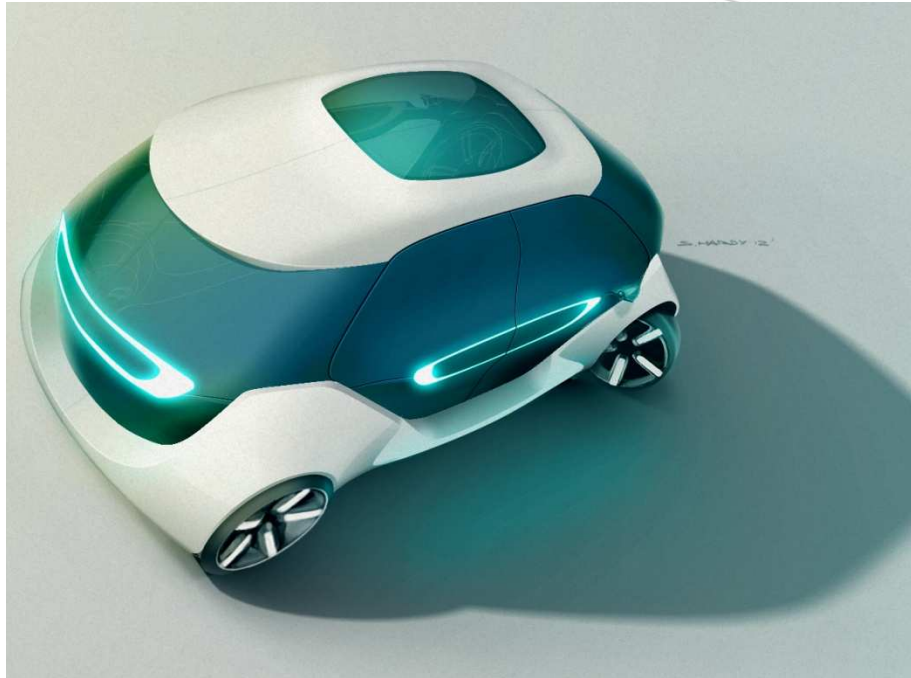
*Full by wire driving  
system*



*Energy  
management*



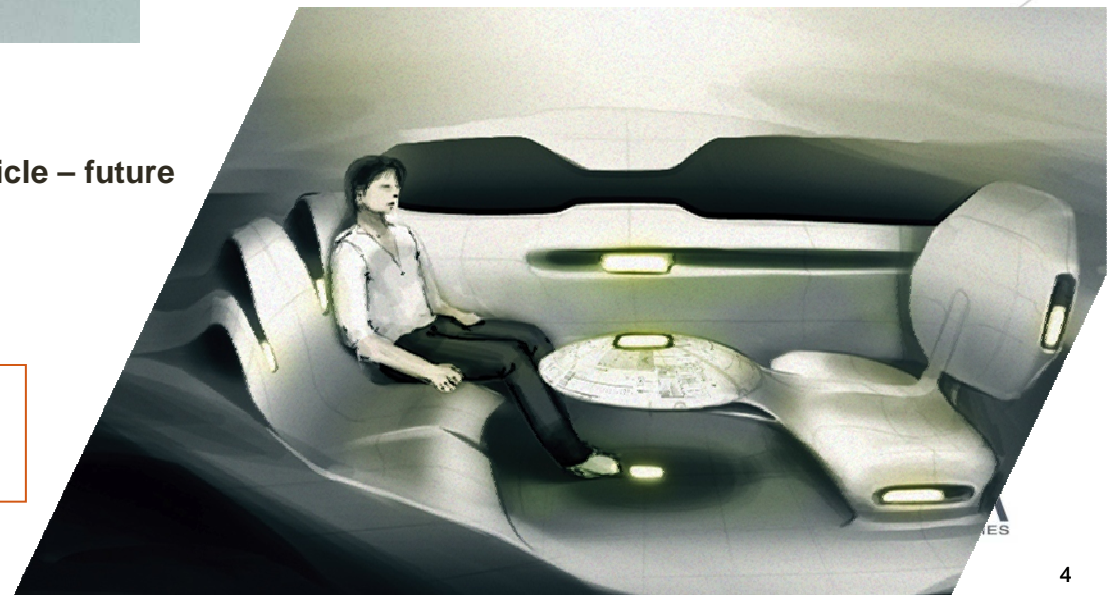
# Link&Go, Automatic car for the future city



- Based on AstuteCar platform
- First 2 drive mode and electric car
- Automatically reloaded
- Specific vehicle interior

Winner of the call participation on “intelligent vehicle – future city” Conseil Général Yvelines Department - 2012.

Concept Car waiting for Motor Show  
Geneva 2013



# AKKA & European Research FP



## Experiences for european projects

- Participates until the FP4 to European Research projects as partner and coordinator
- 7ième PCRD Project ICT STREP Co-FRIEND (coordinator)
- CIP Project InGeoCloudS (coordinator)



## Complete expertise about automotive for European project partnership

- Mechanical skills (style, architecture, mechanical et mecatronic design, calculations and vehicle dynamics, ...)
- Electric/Electronic skills (complex system architecture, complete cards design - hardware, OS, soft and law layer , tuning -, embeded EV applications, operational reliability, ...)
- Project management



# Topics for Akka skills and know-how

FP7	Transport de Surface
SST 2013	FP7-SST-2013-RTD-1
Challenge	
Challenge 1	
FP7- SST.2013.3-1	Managing integrated multimodal urban transport network
FP7- SST.2013.3-2	Implementing innovative and green urban transport solutions in Europe and beyond
FP7- SST.2013.3-3	<i>Capitalising CIVITAS knowledge and experience</i>
FP7- SST.2013.5-3	Open in-vehicle platform architecture
	European Green Cars initiative
FP7- GC.SST.2013-1	Efficient, safe, convenient solutions for grid and road integration of the electric vehicle
FP7- GC.SST.2013-2	Next generation electric motors
FP7- GC.SST.2013-3	Future light electric vehicles
FP7- GC.SST.2013-4	Demonstration of electric buses as urban public transport

# Contacts

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