



## Company Profile

Presentation : Manuel Relvas  
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Department : Aerospace & Transportation

Company : **Novabase Business Solutions**  
www.novabase.pt

Type : private (large company)

Country : Portugal



# Company profile and skills



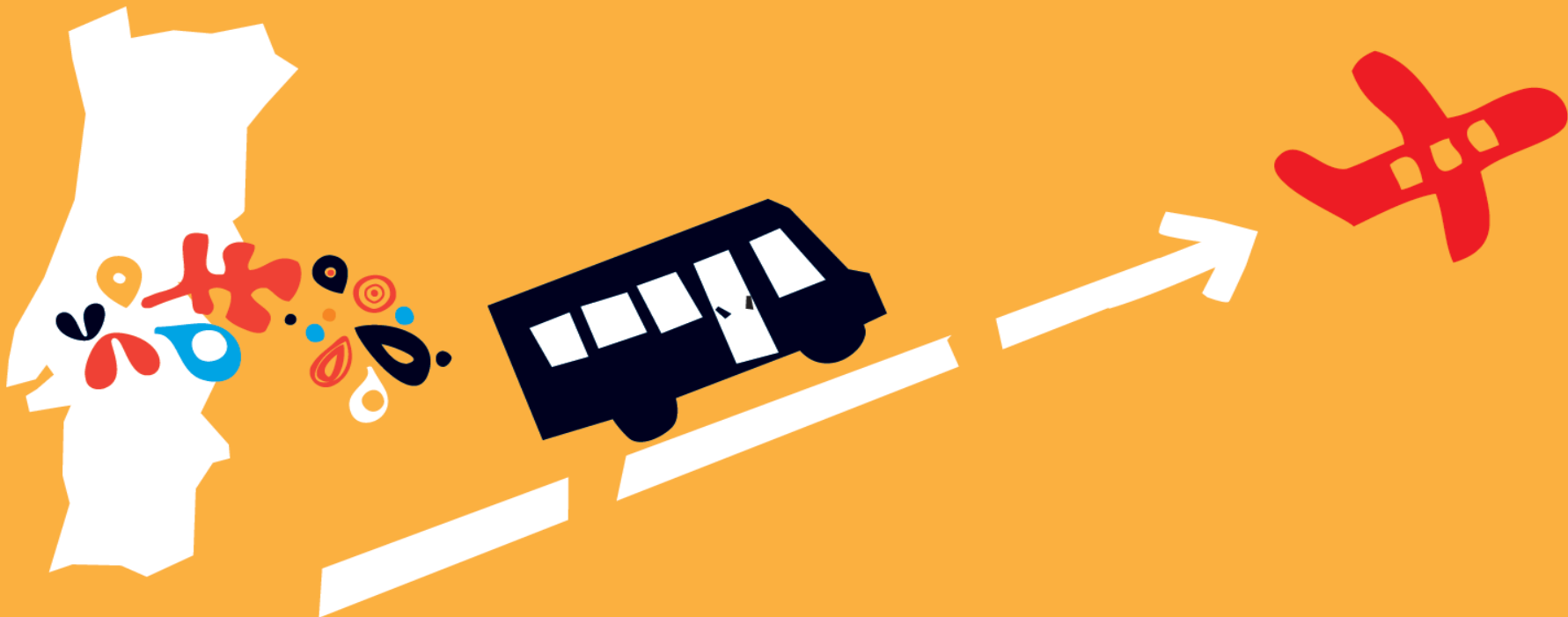
**230M€** revenue in 2011  
20% international

**+2200** employees

Listed on the **Euronext** Lisbon

- Consulting (ERP, CRM, BI, BPM, ...)
- Infrastructure (Data Centers, IP, ...)
- Managed Services
- Ticketing
- Digital TV
- Venture Capital

Strong **R&D** investment: ~10M€/year  
#1 in the IT sector in Portugal  
#6 in all sectors in Portugal  
#16 in the software sector in Europe



# About the Transportation Sector



More than 15 years of experience in **automatic fare collection** systems:

- Full-fledged comprehensive solution
- 25 transport operator systems, in 3 EU countries
- 2 million transactions/day
- 4 intermodal management systems in major metropolitan areas

Active player in leading-edge **seamless customer-oriented** solutions:

- NFC systems (Nice and Île-de-France)
- Passenger Information Systems: vehicles, stations, internet, mobile, etc.
- Mobi.E - electric vehicles charging network management platform
- Mobility Broker - the Single Mobility Bill

[www.cityzi.fr](http://www.cityzi.fr)

[www.novabase.pt](http://www.novabase.pt)

[www.mobie.pt](http://www.mobie.pt)

[www.novabase.pt](http://www.novabase.pt)

# Topics we are most interested in



Topics	Requirements	Our skills
<b>SST.2013.3-1. Managing integrated multimodal urban transport network</b>	Data creation and use. Knowledge database. Decision support tools.	► Business Intelligence
	Improved user experience in multimodal transport services.	► Customer Relationship Management ► Passenger Information ► The Single Mobility Bill concept
<b>SST.2013.3-2. Implementing innovative and green urban transport solutions in Europe and beyond</b>	Innovative and green urban transport solutions.	► Mobi.E - electric vehicles charging network ► The Single Mobility Bill concept
<b>GC.SST.2013-4. Demonstration of electric buses as urban public transport</b>	Demonstration of the use of electricity as energy vector for urban buses.	► Joint venture with a fully electrical bus manufacturer, bus operator and university
	Focus should be on vehicles with interaction with the grids.	► Mobi.E - electric vehicles charging network

for the topic

# GC.SST.2013-4. Demonstration of electric buses as urban public transport

we are integrated in the following alliance:



private large company

[www.caetanobus.pt](http://www.caetanobus.pt)



private large company

[www.novabase.pt](http://www.novabase.pt)



academic institution

[www.uc.pt](http://www.uc.pt)



public entity

[www.smtuc.pt](http://www.smtuc.pt)



**CAETANO BUS**  
GRUPO SALVADOR CAETANO

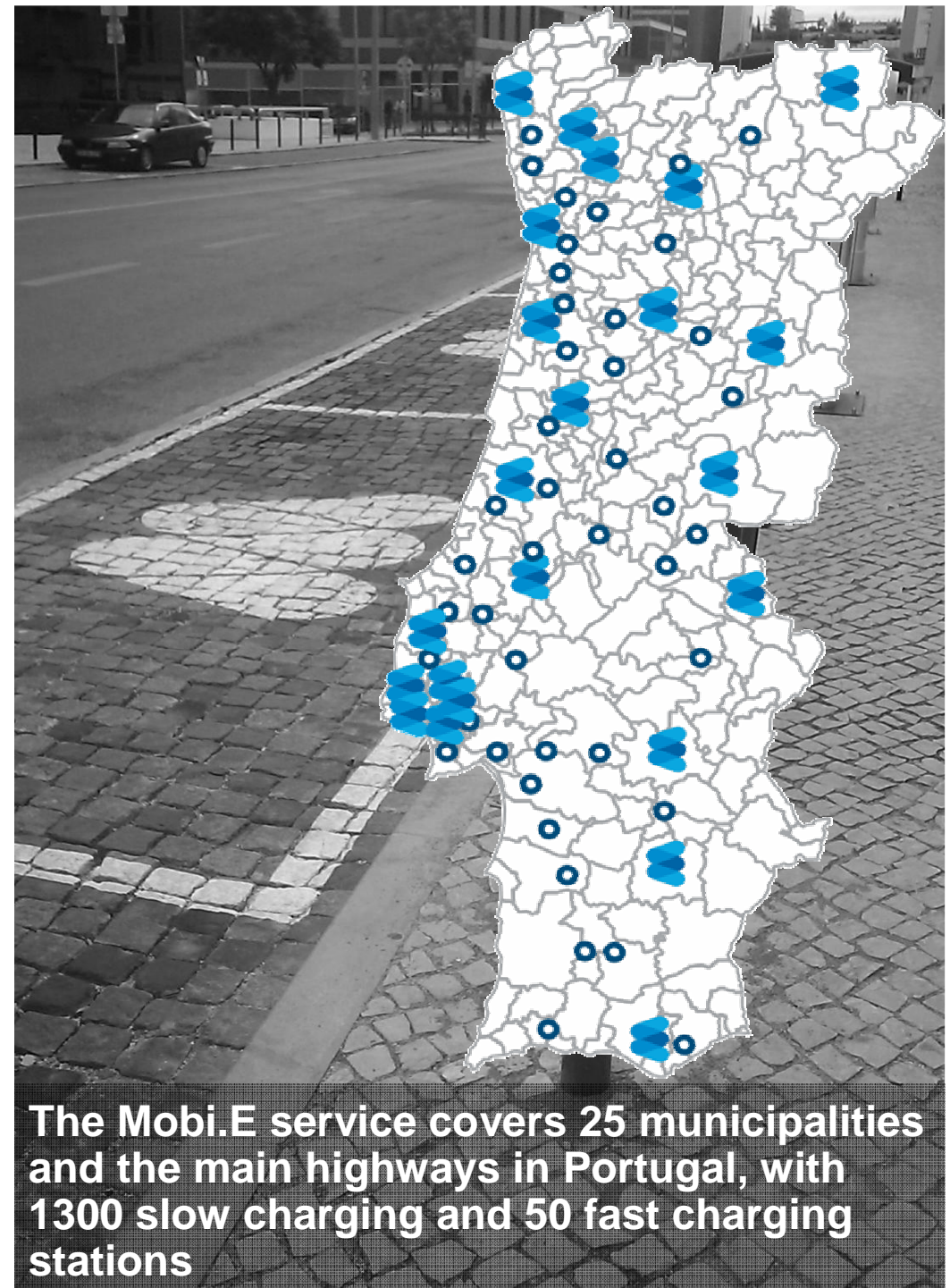
- Bus manufacturer since 1946
- Portuguese leader in bus bodies development and production and worldwide leader in the airport buses segment
- Global figures GSC:
  - 2100 M€ revenue
  - 6000 employees
  - offices in Portugal, Spain, UK, Germany, Morocco and Angola

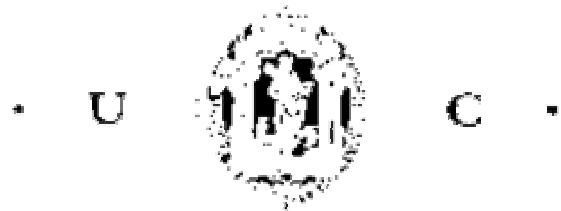


**The Caetano COBUS 2500 EL is a fully electric new generation bus, already in use in Portugal and Germany**



- Novabase is the Portuguese leader in IT services
- Novabase is part of the Mobi.E consortium that implemented an innovative vehicle charging network in Portugal
- Global figures:
  - 230 M€ revenue
  - 2.200 employees
  - offices in Portugal, Spain, France, Germany, Angola, Mozambique and Dubai





UNIVERSIDADE DE COIMBRA

- The oldest Portuguese university was installed in Coimbra in 1308
- Experts in transport simulation models for implementing sustainable mobility solutions
- The University of Coimbra heads the PhD on Transport Systems of the MIT-Portugal Program



Example of an urban transportation system simulation, as part of a comprehensive study for new mobility services in Coimbra city



TRANSPORTES  
URBANOS  
DE  
COIMBRA

- Public transport operator in the Coimbra city:
  - standard buses
  - mini buses
  - trolley buses
- 85 lines, 556km, 1103 stops
- 27 million trips / year
- Very active participation in the CIVITAS Program and CIVINET



**Transportes Urbanos de Coimbra belongs to the municipality and integrates a fleet of 15 trolley buses**

Thank you for your attention  
... and looking forward  
cooperation opportunities

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