Advanced City Cars, PRT and Cybercars, New Forms of Urban Transportation

Adriano Alessandrini
CityMobil Evaluation SP leader
DITS Rome
Background

• Mobility demands cause an ever increasing pressure on the urban arena

• There is a need for innovative solutions to facilitate mobility

• Automated road transport may contribute to sustainability by a more efficient use of resources and space and increased transport safety
CityMobil Advanced Transport Systems

• Advanced city cars: city vehicles integrating driver assistance and other features to be better used in car-sharing services.

• PRT: small fully automatic vehicles operating on guide ways, segregated from pedestrians and other traffic.

• CyberCars: fully automated road vehicles for individual or collective transport, for specific areas with little or no interaction with other (manual) vehicles.
CityMobil approach

• Three large scale demonstrations
• Technical developments on vehicles and infrastructures
• City studies
• Small demos
• Showcases
## Reference Group Cities

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<tr>
<th>Almelo</th>
<th>Lausanne</th>
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<td>Almere</td>
<td>Limeil-Brévannes</td>
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<td>Cardiff</td>
<td>Milano</td>
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<td>Clermont-Ferrand</td>
<td>Montbéliard</td>
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<td>Daventry</td>
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<td>Gateshead</td>
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<td>Santa Margherita Ligure</td>
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<td>Halver</td>
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<td>Helmond</td>
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<td>La Rochelle</td>
<td>Vienna</td>
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Selection methodology

- Each city had to propose one or more sites for a potential showcase
- Each application had to be “pre-designed”
- Local objectives had to be defined
- User needs had to be analysed
- A form measuring the compliance of each site to each criteria had to be filled
Ranking criteria

• National and local transport strategies and plans
  – Application consistency with local, regional and national plans for transport
  – Application consistency with legal framework

• Site-specific criteria
  – Project progress
  – Integration opportunities
  – Technical feasibility
  – Stakeholder acceptance
  – Data availability

• Criteria related to the project consortium
  – CityMobil partner involvement in the local project
Other selection criteria

• Geographical coverage
• Vehicle availability (within the showcase WP of CityMobil) for the specific application
• City willingness to cover its own costs
Selected showcases

• Cybercars showcases
  – Daventry
  – Hyvinkää

• Advanced city cars
  – Genova
  – La Rochelle
Daventry showcase outcomes

• Open from 24.09.2007 to 05.10.2007
• 3 permanent vehicles (plus 2 other vehicles)
• Conference hosted on 26.09.2007 by the City Council with more than 200 attendants
• Coverage by BBC (news - live morning show - BBC world service, 60M audience reported by BBC), article in THE INDEPENDENT, local TV and 1st page on regional newspapers
• 9 school groups visited on week 1 (~180 children)
• 10-15 individual visitors daily
Daventry showcase pictures

Daventry Express

WIN A YEAR’S SUPPLY OF PERSIL
Plus – eight-page reader holiday supplement free inside

Daventry bids to be global leader in transport innovation

Ambitious pod plans on show to the world

We want to demonstrate to the world that we can lead on something as innovative as a PRT system. We want people to be proud of the town they live in.

Ian Vincent OBE

Town gets first taste of planned new pods

STATE-OF-THE-ART pod vehicles have taken to the road in Daventry.

By Alistair Dyer

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For information
CITYMOBIL Website:
www.citymobil-project.eu
The first advanced citycar: the praxitel
An example of PRT: the ULTRA test site
An example of cybercar: Yamaha minibus automated by INRIA