

EDICT Results

The output from the project will be

- Demonstration and evaluation of the ULTra PRT system in Cardiff
- A full evaluation of the opportunities for PRT for practical improvement of the transport system and quality of life in Cardiff, Eindhoven, Huddinge, and Ciampino
- Examination of social, economic, institutional and cultural issues in the introduction of PRT
- An assessment of the projected major environmental benefits of PRT systems compared to other forms of transport

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Commission Responsibility

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EDICT is a European Commission project supported under the 'City of Tomorrow and Cultural Heritage' key action, which is one of the four key actions under the European Commission's Energy, Environment and Sustainable Development research programme. This programme addresses the urgent need for sustainable forms of transport in cities in Europe as an alternative to the car and to complement existing forms of public transport. The 'City of Tomorrow and Cultural Heritage' key action aims to develop new technologies and systems to complement what already exists and to help guide decision-making processes.



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www.ant-consultants.nl



www.arup.com



www.atsitd.co.uk



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EDICT

"Isn't it nice to find a public transport system which is waiting for you, rather than you waiting for it"

Councillor Russell Goodway, Lord Mayor of Cardiff



evaluation and demonstration of Innovative City Transport



Objective

EDICT aims to demonstrate and evaluate the potential of Personal Rapid Transit (PRT) to provide effective and sustainable transport for the City of Tomorrow.

Project Information

EDICT involves a consortium of 16 organisations; local authorities, consultants, industry and academia across 7 countries led by Cardiff County Council, with project management by Transport & Travel Research Ltd. The work will be evaluated by an independent assessment team led by IABG. Seven other cities are associated as "follower cities" and will help to assess transferability.

The project started at the beginning of 2002 and will run until Summer 2004. It is financially supported by the European Commission Directorate-General Research through its Key Action "City of Tomorrow and Cultural Heritage".

The EDICT project is using as a model the ULTra system (www.atstltd.co.uk) an innovative PRT system developed by Advanced Transport Systems Ltd. This is currently under engineering test in Cardiff, funded by the UK Department for Transport, with support from Cardiff County Council and the National Assembly of Wales.

Personal Rapid Transit

PRT is a new form of transport which is both personal and public. It is a system of automatic cabs travelling on their own guideway network.

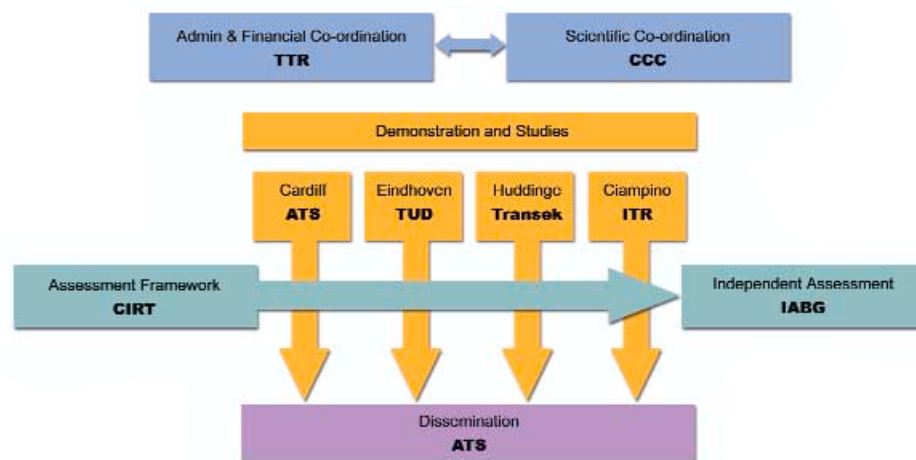
In contrast to conventional public transport

- PRT is available when you want it
- PRT takes you non stop to where you want to go
- Energy use and emissions are reduced, typically by a factor of three
- PRT is low cost, both to install and to operate
- PRT offers both greater mobility for users and a higher quality urban environment

Key Questions for PRT

- integration with other modes
- visual intrusion
- safety and security
- will it reduce congestion?

Project Structure and Responsibilities



Cardiff

Work in Cardiff will exploit the existing and planned facilities for the ULTra PRT system. The existing test track will be used to provide passenger demonstrations. This will permit an assessment of the passenger experience on the system. The work will also take advantage of existing detailed planning and evaluation undertaken for the Cardiff project, and test this experience against that of other cities in the EDICT group.

Cardiff Study Team

Advanced Transport Systems
Arup
Transport & Travel Research
Cardiff County Council

Huddinge

Huddinge will evaluate the ways in which innovative transport such as PRT can be applied to improve access to a large shopping and business area including an adventure centre on the outskirts of Stockholm. The local road network is congested in peak periods, which slows down the local bus lines. PRT could be an efficient solution.

Huddinge Study Team

Transek
LogistikCentrum
Huddinge Municipality

Ciampino

There are two objectives for the EDICT study in Ciampino.

1) to provide a solution to the rising level of traffic congestion affecting the Castelli Romani and Agro Romano areas

2) to assist public transport links between the city's airport and its catchment area.

The ability of PRT to improve intermodality from the town centre to the airport and to promote greater sustainable mobility will be examined.

Ciampino Study Team

IT Ingegneria dei Trasporti
Municipality of Ciampino

Eindhoven

In Eindhoven a feasibility study will be carried out to determine the opportunities for a PRT system to improve links between the Technical University of Eindhoven and the central rail station. Potential users include students, employees of the university and surrounding commercial activities.

Eindhoven Study Team

Technical University of Delft
Advanced Netherlands Transport
Province of Noord-Brabant



European Assessment Team

IABG - Germany
Centro Interuniversitario di Ricerca Trasporti - Italy
Centre for Renewable Energy Sources - Greece
CDV Transport Research Centre - Czech Republic

Follower Cities

Bristol - UK, Reggio Calabria - Italy, Almelo - Netherlands,
Sigtuna - Sweden, Marousi - Greece, Olomouc - Czech Republic



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