Objectives

- State of the art review of the contribution of advanced road transport, the contexts within which they operate, and the tools for predicting and assessing their impact
- Development of context, urban mobility and application scenarios
- Development of analysis tools to assess transport and land use impacts over the next 30 years
- Develop an economic analysis tool to assess the economic viability of applications
- Identify legal and administrative barriers preventing the introduction of automated systems

Sub-project 2 assesses the potential of advanced technologies in European cities over the next 30 years. The context scenarios within which new technologies might operate, and appropriate application scenarios have been identified. Microsimulation tests have been conducted to assess the detailed performance of each technology, and a strategic land use and transport model, MARS, has been used to understand the contribution of each technology when applied in European cities.

The adjacent figure illustrates the proposed PRT network in Gateshead. Parallel work involves using VOLTair to determine the contribution of each technology to urban transport objectives. A business model has been developed for cities to assess the potential of these applications, and, the barriers to implementation and ways in which these might be overcome have been assessed.

All these methods are included in a City Application Manual that serves as a tool for cities considering introducing automated public transport.

SP 2 partners:

CSST, DITS, DLR, GEA, IKA, ISIS, ITS, SINTEF, TML, TNO, TRG