



MODURBAN is an EU research project jointly funded by the EU and all major rail industry stakeholders under the sixth EU Framework Programme. The project started on 01/01/2005 will end 31/03/2009 and has total budget of around 20 million Euro.

Modular urban guided rail system

WHY: MODURBAN was launched with the aim of providing common functional specifications for operators and a common technical architecture for manufacturers.

WHAT: The main target was to design, develop and test an innovative and open common core system architecture and its key interfaces (this covers Control Command, the communication system, energy saving and access subsystems).

RESULTS:

- A complete set of “ready-to-use” requirements (FRS)
 - suitable for all operators
 - covering systems ranging from manually driven trains to fully driverless operation
- Definition of a common basic architecture
 - Allocation of functions through a limited set of options
- Identification of interchangeable modules
- Identification of the level of specification of interfaces (functional or full description)

BENEFITS FOR OPERATORS AND INDUSTRY:

- A “performance” specification with no surprises
- Reduced system costs for:
 - Specific development
 - Project implementation
- Simplified tender and bidding process
- Power saving
- Clarifying the roles and responsibilities between the operators and the suppliers
- Allowing modular software and hardware
- Anticipation of the requirements and development of standard off the shelf solutions to address the market

PARTNERS:

INDUSTRY PARTNERS



RAILWAY OPERATORS



R&D ORGANISATIONS



OTHERS



End result: Win-win solutions for operators and industry





MODURBAN FINAL EVENTS

Join the **two closing events** of this major EU Research Project!

- **At the UITP Metro Assembly, 4 December 2008, in Lausanne** during the 3rd UITP Metro Conference Metrocities: moving into the 3rd Millennium, presentations on the main results will be given.

www.uitp.org/assemblymetrolausanne

- **At Metro de Madrid, 16-17 December 2008, in Madrid:** Final Conference and Demonstration Event. Tests and demonstrations will be performed on the Metro de Madrid network with a dedicated MODURBAN train, showcasing:
 - Intelligent Driving
 - Interchangeable Data Communication Systems operations
 - Passenger Information Systems and Video Surveillance Systems onboard and wayside
 - Light Weight Material

Programme available soon on: www.modurban.org

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