

# PROSPER Congress

Promotion of Pollution Control and Energy Saving by the use of Hybrid Power Systems: International congress about innovative propulsion systems for use in Public Transport.



Management consultancy,  
vehicle technology

Client: EU

Partner: University of the West of  
England, Bristol

End: 2001



The PROSPER congress took place September 19<sup>th</sup> and 20<sup>th</sup> in the year 2001. About 150 participants from 13 countries came to Karlsruhe for this "Hybrid Technology in Public Transport" congress.

The acronym PROSPER stands for: Promotion of Pollution Control and Energy Saving by the use of Hybrid Power Systems. The congress has disseminated the results of development projects in hybrid propulsion technology whose objective it is to reduce fuel consumption and emissions in urban passenger transit vehicles through increased efficiency and effective brake energy recovery, and to provide a low cost alternative to electrification. The EU project ULEV-TAP 1 was such a project and the direct reason for TTK to organise this congress.

PROSPER has managed to bring together users of all backgrounds and a wide variety of manufacturers to promote the subject matter. Goal was to create a "spark-off" to set things in motion.

PROSPER contained:

- Presentations and speeches in the field of hybrid technologies
- Workshops on technical and application aspects
- Exhibition of companies in the field of hybrid technologies
- Successful demonstration of a hybrid flywheel bus and a prototype of the first flywheel driven light rail vehicle (ULEV-TAP 1)
- Optional excursion: Guided tour in a dual mode LRV on the Karlsruhe network

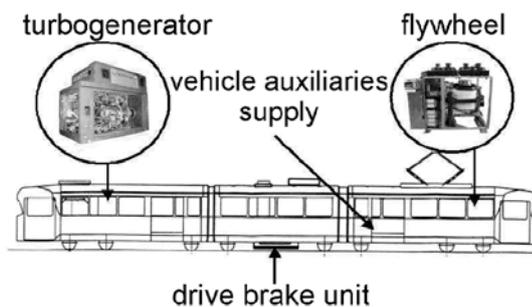
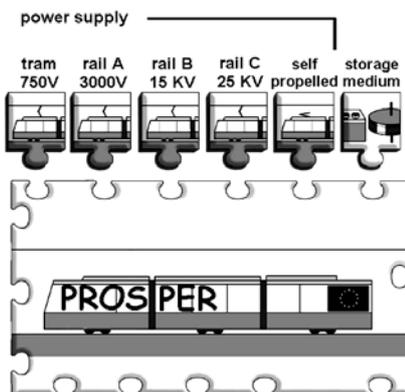
The PROSPER CD-ROM contains all presentations, papers, film, participants list and further background material.

[www.prosper.ttk.de](http://www.prosper.ttk.de)

Links to other projects/clients:  
ULEV-TAP 1 and ULEV-TAP 2  
CROSSRAIL, Libertin  
TramTrain 2002 congress



Karlsruhe, Kaiserstraße around 1900: in this street section tramways had to be powered by batteries.



ULEV-TAP Prototype was demonstrated.  
bus



Participants could take a ride on the CCM-Flywheel