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# **MODURBAN**

## **final conference Dec 16, Madrid**

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**UNIFE**

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A grayscale background image of a modern tram or light rail vehicle stopped at a station platform. The tram is white with dark accents and is positioned on tracks. The station has a glass and metal structure. The overall image is faded and serves as a backdrop for the text.

## □ Brief project overview

- ▶ *Total Budget: € 20 million*
- ▶ *Project Duration: 51 Months - Jan 2005-March 2009*
- ▶ *39 partners from 12 EU Countries + Chile + Canada*
- ▶ *UNIFE is the project coordinator*

### PARTNERS:

#### INDUSTRY PARTNERS



#### RAILWAY OPERATORS



#### R&D ORGANISATIONS



## □ 6 Subprojects

- ▶ **MODONBOARD**  
*Onboard intelligent interfaces*
- ▶ **MODWAYSIDE**  
*Wayside intelligent interfaces*
- ▶ **MODCOMM**  
*Communication systems*
- ▶ **MODACCESS**  
*Passenger access related items*
- ▶ **MODENERGY**  
*Energy related aspects*
- ▶ **MODSYSTEM**  
*System approach for functional + technical specifications and global risk assessment*

Collaborative research process of:

- 8 major system suppliers
- 8 major sub-system suppliers
- 10 urban rail operators
- 8 academic partners
- UNIFE
- UITP

Demonstration in real conditions:

- Metro de Madrid network

# Why MODURBAN?



- ❑ With increasing concern from operators, confirmed by a worldwide UITP survey, on the problems of:

- ▶ *interoperability within one network*

- ▶ *line extensions*

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

# Results?



- We will hear about some of them later on
- And also see some of them tonight
- Over 100 deliverables (documents) were produced
- Almost more importantly, such an R&D project clearly fosters the mutual understanding amongst suppliers and operators
- Even creates an atmosphere of trust amongst competitors (most of the time!)



# **MODURBAN**

**THANK YOU FOR YOUR  
ATTENTION AND ENJOY THE  
EVENING!**