



2nd Work Group Meeting Equipment and Operational Aspects Closing Remarks

Zagreb, Croatia
October 4th-6th 2007





Upgrading of fleets and maintenance strategies

- “Clean” busses
 - Hybrid technology
- Innovative technologies
 - High Quality Bus Networks
- Accessibility
 - Dedicated infrastructure for busses
 - Bus on demand

Focus on small and medium sized cities





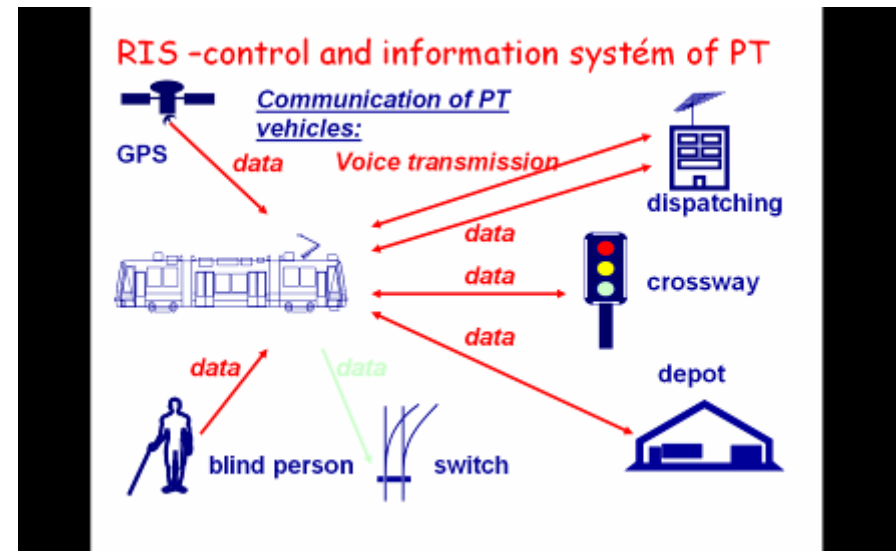
„Clean“ busses

- Overview of the different forms of hybrid technology
 - diesel supported by electrical engine
 - electrical engine supported by diesel engine
 - diesel just for supporting batteries
 - traction via supported diesel by ordinary gearbox
 - traction via electrical engine (e.g. hub motors)
- Hybrid has got an enormous fuel economy potential and environmental advantages
- Fuel consumption highly depends on usage (congested routes; low-dense areas)
- Technology has to be chosen according to the bus usage (city centre or suburban; average bus speed)
- Energy recovery and energy storage on board are essential for the success of the hybrid technology



Innovative technologies

- Tramway-type docking for buses due to camera guidance systems
- Real time traveller information on-board and at waiting spots
- Traffic flow measurement stations
- Automatic Vehicle Controlling
- Traffic light influencing
- GPS implementation





Accessibility

- Raised bus stop, access ramp, kassel kerb
- Driver training to dock close to the kerb
- Specialized service – door-to-door/ transport on demand
- Segregated lanes
- Retractable ramps

