

Project Fact Sheet

Energy efficiency and environmental criteria in the awarding of regional rail transport vehicles and services (ECORAILS)

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| Programme area: | STEER, CIP-IEE-2008.3.2, CIP-IEE-2008.3.1 |
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| Partners: | Senate Department for Urban Development Berlin - Germany Pro Rail Alliance - Germany KCW GmbH - Germany Berlin University of Technology - Germany Trafikstyrelsen - Denmark Transportforskningsgruppen I Borlänge AB - Sweden Province of Brescia - Italy Università Commerciale "L. Bocconi" - Italy Università di Roma "La Sapienza" - Italy Integral Consulting RD - Romania Universitatea POLITEHNICA din Timisoara - Romania CFR Timisoara – National Society of Railway Transport - Romania Budapest University of Technology and Economics - Hungary |
| Website: | N/A |
| Benefits (max. 150 characters incl. space): | <ul style="list-style-type: none">• Increase of the procurement quality with environmental requirements, thereby extend the awareness for “green” technologies and strategies in the regional rail transport• Creation of a European expert community and discussion process concerning environmental standards in regional rail transport to create a sector wide know-how transfer• Commitment of PTA’s of the relevant Member States to an anticipatory strategy of procurement and awarding |
| Keywords: | Regional Rail Transport, Awarding, Environmental Performance |
| Duration: | 05/05/2009 – 30/06/2011 |
| Budget: | € 1,4 (EU contribution: 75%) |
| Contract number: | IEE/08/690 |

Summary

Elaboration of a decision support for energy efficient and ecological awarding in Regional Rail Transport for Passengers:

- Set of environmental criteria for services, rolling stock, and infrastructure management, basing on results of previous technology projects as e. g. Railenergy, PROSPER, and national activities
- Legally compliant text modules useable by Public Transport Administrations (PTA’s) for regional awarding in all 27 EU member states
- Test of the guidelines in four regional sites exemplary for the different European starting points (Berlin, Øresund, Brescia, Timisoara)
- **Consortium:** 14 partners, including four PTA’s from 6 countries (DE, DK, SE, IT, RO, HU); coordinated by TSB FAV

Background

- Regional Rail Transport has inherent advantages for an efficient energy use and high eco friendliness
 - Advanced technology solutions are available, but the last decades showed a decline via other transport modes
 - A key for improvement: Procurement of services and technologies
- Basic criteria for railway operations for up to 30 years
- Increasing use of awarding (all forms of contracts between PTA's and Train Operating Companies – TOC's)
 - The role of the PTAs is quite new and different awarding criteria are covered
- Need for decision support

Expected and/or achieved results

Quantitative energy and emission savings:

- Improvement of energy efficiency
 - 5% in comparison to current awarding
 - 10% with regard to the currently used rolling stock
 - In the long term: System-wide improvement of energy efficiency for regional railway by 15% by 2020
- Reduction of CO₂ emissions
 - 5% in comparison to current awarding and
 - 10% with regard to the currently used rolling stock
 - In the long term: System-wide reduction of CO₂ for regional railway by 15% by 2020

Scope of dissemination:

- Number of administrations/companies participating in the User Platform: 10 PTA's and 10 TOC's from at least 5 different countries
- Number of administrations/companies participating in at least one of the dissemination events: 20 PTA's and 20 TOC's from at least 8 different countries; at least 5 vehicle suppliers
- 4 agreements with PTA's on the energy efficiency and CO₂ targets