

Intelligent Energy  Europe



TRAINER

Energy Efficiency
Conference
Tours

Thursday 24th September 2009

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Coordinator



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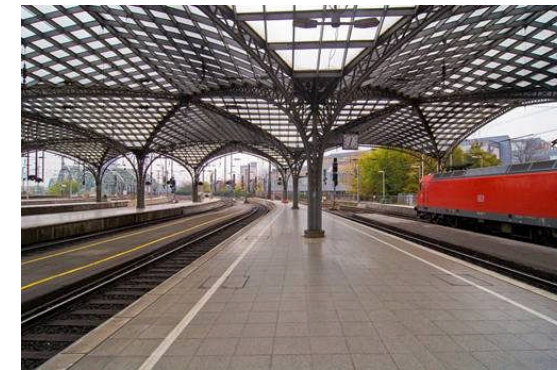




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Project



- **TRAINER**
 - ❑ **TR**Aining programmes to **I**ncrease **E**nergy-efficiency by **R**ailways
- **EU project**
 - ❑ Intelligent Energy Europe
- **Running period**
 - ❑ 2nd Nov 2006-1st Nov 2009
- **Collaboration**
 - ❑ FP6 Railenergy (www.railenergy.org)
 - ❑ UIC
- www.iee-trainer.eu



Partners

- | | |
|--|-------------|
| • SenterNovem (coordinator) | Netherlands |
| • Centre for Renewable Energy Sources (CRES) | Greece |
| • Ente per le Nuove Tecnologie l'Energia e l'Ambiente (ENEA) | Italy |
| • Solvera Lynx | Slovenia |
| • VVCR Europe bv (VVCR) | Netherlands |
| ✓ Nederlandse Spoorwegen (NS)(3,000) | Netherlands |
| ✓ OSE Hellenic (600) | Greece |
| ✓ Slovenske Zeleznice (1,200) | Slovenia |
| ✓ Trenitalia (14,850) | Italy |
| ✓ Zeleznická Spoločnosť Cargo Slovakia (ZSSK CARGO)(1,800) | Slovakia |

Total 21,450 train drivers

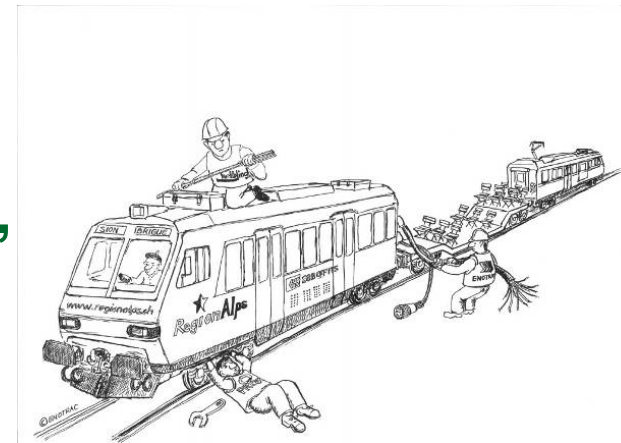


Training programmes

- **Train drivers**
- **Station and cleaning staff**
- **Management of railway companies**

- **Electric-diesel**
- **Practical-theoretical**
- **Passenger-freight**

- **Netherlands, Slovenia, Slovakia, Greece + Italy**



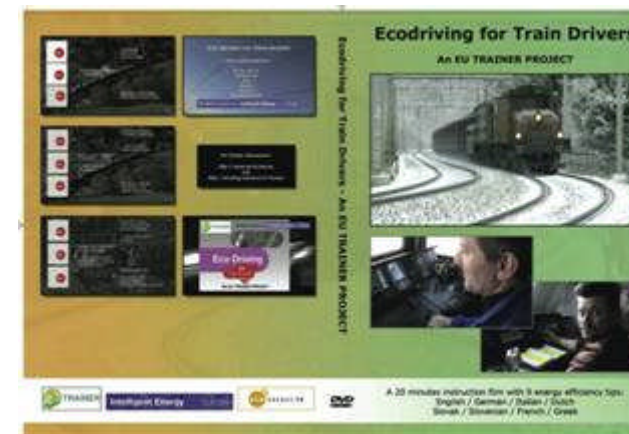


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Deliverables

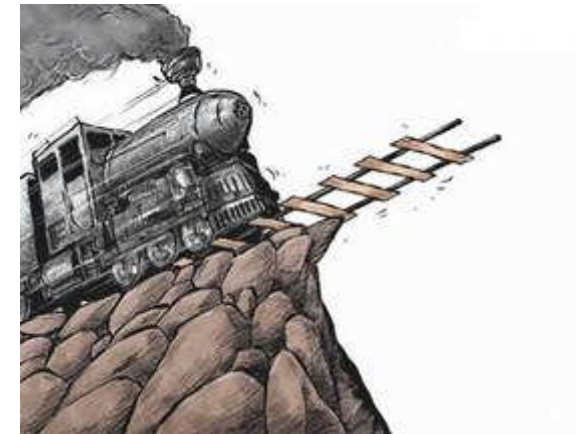
- **'Universal' manual**
 - Train drivers, station and cleaning staff, management
 - Energy efficient driving, train operation and maintenance
 - DVD (including instruction film)
 - Internet
- **Instruction film**
 - Management + train drivers
 - First performance Friday 25th September
 - DVD
 - Internet





Behaviour

- Challenge
- Training programmes
 - Theory
 - Practice: on track, simulator
- Supporting tools
 - GEKKO
 - Routelint
 - Rail pocket (PDA)
 - UZI card
- Combination has added value





TRAINER Friday 25th September

- **Plenary session**
 - ❑ TRAINER conclusions and results
 - ❑ Good practices
 - ✓ Slovenske Železnice/
Mr Bojan Dremelj
 - ✓ ZSSK Cargo/
Mr Branislav Krigovsky
- **TRAINER workshop**
 - ❑ How to implement ecodriving in your railway company?
 - ✓ Didactics and points of interest/
Paul Offerman, VVCR Europe bv
 - ✓ The why and how at NS/
Jan Hoogakker, NS
 - ✓ The experiences of TRAINER railway companies/
Luigi Contestabile, Trenitalia





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