

European Education for Electro-mobility

News from the project

Newsletter #2
March 2015

Portugal

Student Workbook on Electro Mobility Systems and Technology

One of the core outputs of the EEE project is the development of the training workbook to be used by the students while on training. This is expected to be the main support for the theoretical learning activities as well as for future support of the trained technicians.

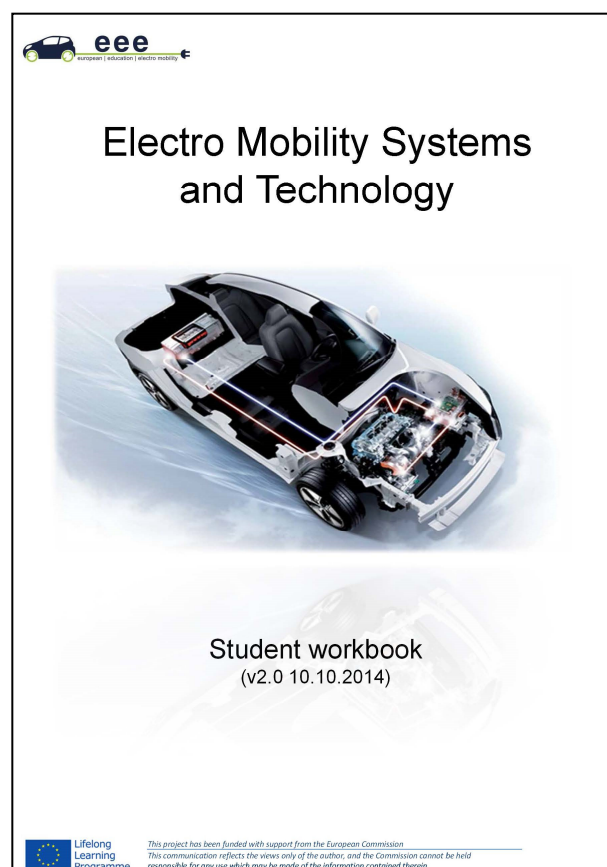
During the first half of the project a first version of the Student Workbook was developed and tested in a joint pilot training held at the Portuguese partner premises (ATEC in Palmela).

With the feedback from the students and trainers that have participated in the pilot test it was possible to improve the Student Workbook to a second version, which is already being used by several partners in internal pilot tests.



1st joint pilot test held at ATEC (Portugal)

João Alves, ATEC

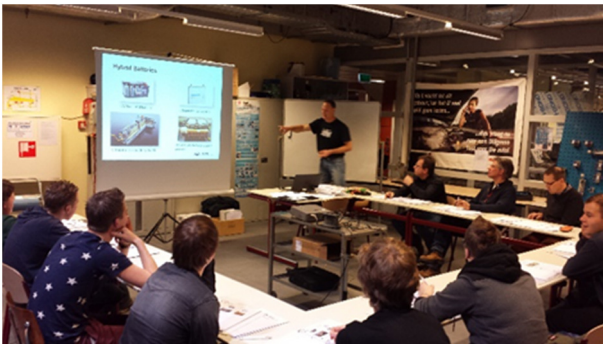


Netherlands

Aventus Pilot Training ‘Electrically propelled Vehicle Hazard Management’

Aventus (Apeldoorn, the Netherlands) is one of the partners in the Leonardo da Vinci Transfer of Innovation project ‘European Education for Electro mobility (EEE)’ (see also www.eee-leonardo.eu).

Goal of this international project is mutual development training materials regarding maintenance and repair of electrically propelled vehicles. Since a big part of the curriculum has been developed, it has to be pilot tested. 23 Aventus volunteers (21 automotive VET students and 2 teachers) have cooperated in this pilot test.



During 4 Monday evenings, 1 half of the group received theoretical explanation, while the other half worked on exercises. While working on the training ‘tips & tops’ were written down. More input for further development was gathered by organising a ‘feedback session’ on the last evening together with the results of an online survey. This has resulted in points for improvement, however attendants were – generally speaking – very satisfied with the training.

To finalize the pilot training and as a bonus for the volunteers, they received an offer to participate in a Dutch national exam ‘Safe working at electrically propelled vehicles according to NEN 3140’.

Since this is an exam which is exclusive for the Netherlands (every country has its own national legislation), it is not part of the developed curriculum. On January 26 2015, 22 candidates have participated in this exam. Passing will result in a certificate which is recognized/rewarded by the Dutch automotive industry, which of course has its benefits on the labour market. Results will be published soon.



All in all, we look back on a successful pilot test and are grateful for the efforts of the students and teachers during five Monday evenings.

Richard Rabelink, Paul Tap, Kees Oostwal, Durk van Wieren, AVENTUS

Austria

ECOPROFIT and e-mobility

This short article shows how an environmental management system contributes to strengthen e-mobility in companies and local administration. These recently implemented examples obviously demonstrate that e-mobility is a main factor of greening local and corporate transportation and gain savings for the environment as well as for the operator.

The Austrian partner in the EEE project, the Cleaner Production Center Austria, as one of the leading consultant in ECOPROFIT programmes was supporting the idea generation and the implementation of these measures of improvements as well as the documentation and the calculation of the results.



Energie Graz GmbH & Co KG (energy supplier):

Exchange of 13 fuel-driven cars with 13 e-cars.

Benefits: saving of 4.400 l fuel
reduction of CO₂: 13 to/year



hgaplus Rudolf Pöllabauer GmbH

Purchase of an e-car (delivery van)

Benefits: saving of 2.900 l fuel
reduction of CO₂: 7,7 to/year

Municipality Groß St. Florian

Purchase of an e-mini pick-up for green space maintenance

Benefits: saving of 260 l fuel
reduction of CO₂: 0,8 to/year



Christoph Holzner; CPC Austria

Germany

Old car — new technology

As demonstrated clearly the age of a car is not the limiting factor to use modern technology. This picture, made at the German partner institution RBZ in Kiel, shows the coordinator for European projects, Fritz Voß, and his colleagues with an old “Trabant” - better known as the most popular vehicle of the former DDR (German Democratic Republic).

Used for their training activities at RBZ and to promote the school as well as e-mobility in general this “oldtimer” was equipped with an electronic power unit. 13 students adapt the old “Trabbi” and worked to realise this up-to-date edition. The model “Schorsch” is no longer a two-stroke engine but an electrically propelled vehicle - and it works.

This originally restored Trabant will be a sole prototype and is exhibited as a demonstration car at fairs, road shows and exhibitions. The range of the car is about 80 kilometres with a maximum speed of about 100 km/h.



Fritz Voß, RBZ

The EEE partnership

Aventus

Apeldoorn, The Netherlands
www.ventus.nl

Emtec Colleges Limited

Nottingham, UK
www.centralnottingham.ac.uk

Franz-Jürgen-Berufskolleg

Düsseldorf, Germany
www.fjbk.de

ATEC

Quinta do Anjo, Portugal
www.atec.pt

Regionales Berufsbildungszentrum Technik

Kiel, Germany
www.rbz-technik-kiel.de

CPC Austria GmbH

Graz, Austria
www.cpc.at

Status of the LdV project European Education for Electro-mobility (EEE)

- ◆ The project is still ongoing and activities are carried out as planned
- ◆ The project's interim report finally (after some modifications) was accepted and agreed by the Dutch National Agency
- ◆ An amendment to the initial project content and budget was made. That concerns minor budget shifts and some slight adaptations of the project activities of the second half of the project.

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This is the newsletter of the LdV project European Education for Electro-mobility (EEE)

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<http://eee-leonardo.eu>

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