

Simulator-based Training for European bus drivers (SIMTEB) - Transfer and implementation of an innovative training concept for drivers and trainers in initial and continuing vocational training organisations of the public urban transport in Europe
SIMTEB DE/11/LLP-LdV/TOI/147464

<http://www.adam-europe.eu/adam/project/view.htm?prj=8560>

Project Information

Title: Simulator-based Training for European bus drivers (SIMTEB) - Transfer and implementation of an innovative training concept for drivers and trainers in initial and continuing vocational training organisations of the public urban transport in Europe

Project Number: SIMTEB DE/11/LLP-LdV/TOI/147464

Year: 2011

Project Type: Transfer of Innovation

Status: running

Country: DE-Germany

Marketing Text: The development of simulators for a variety of training situations has made remarkable technical advances in recent years. The project SIMTEB analyses, develops and transfers existing training programs for simulators to train bus drivers, even to ensure safety, environmental protection and economic benefits.

Summary: The use of simulators for the training of staff at complex man-machine interfaces is a widely recognised method to improve the safety and efficiency of the operation of technical systems. The use of simulators is currently limited to a small group of 6 to 8 training centres. As one of the major obstacles for the dissemination of resource-saving and additional training situations enabling simulators proved the lack of a training conception to meet the specific requirements of this technology. Closely connected with this problem are deficits in the further development of the predominantly experience-based qualifications of the staff in the training centers, with regard to the requirements of a competent coping simulator based training. Aim of the of project SIMTEB is the cross-national transfer and operational implementation of an innovative training concept for drivers and trainers in initial and continuing vocational training organisations in the European public urban transport sector. SIMTEB intends to promote the sustainable use of simulators in the bus driving branch, based on a concept for the training of bus drivers and the development of trainer skills significantly. Through this SIMTEB will be able to realize an important contribution to safe and environmentally friendly driving, how it meets the intentions of the "EU Directive 2003-59/EG".

Description: Coordinated by the sfs TU Dortmund SIMTEB combines knowledge and experience of operators of training simulators and experts dealing for many years with the simulator training and qualification processes in the transport sector with the competences of development engineers from simulator manufacturers in an interdisciplinary and European working team - combining essential competencies for a successful transfer of innovation to each other. SIMTEB is analysing in a first step the current development of products for simulator training. In a second step, the concept of a training simulator of the involved Finnish operator will be transferred into a European framework. Additionally guidelines to "train the trainer" for simulator-based training will be developed as well. The training concept and the guidance for the trainers will then (step 3) be tested, evaluated and optimised. Thereafter, a first implementation (step 4) of the European framework will take place in the involved simulator operators in Germany and Finland, the training concept will be adapted to their framework and the guide for the training of trainers will be implemented in their regular training schedule. Further dissemination of the training concept and the guidelines for trainers will take place through information events and companies overarching occupational seminars (step 5). Through this an effective transfer of model applications in the participating and other European countries will be achieved (introduction of the SIMTEB products by project partners at national and international events). An especially for the project established advisory board will ensure that the results of the project will be assessed by high-quality professional experts and disseminated to the relevant public. In addition, the recognition of project results in the partner countries and European bodies and organisations will be achieved. Finally, recommendations will be made for the development and dissemination of technical, organisational and social conditions for the introduction of driving simulators.

Project Information

Themes: *** Enterprise, SME
*** Initial training
** ICT
** Continuous training
* Labor market
* Lifelong learning

Sectors: *** Education
** Transportation and Storage
* Administrative and Support Service Activities

Product Types: modules
teaching material

Product information: SIMTEB will generate two key products:
1. Transfer and development of the innovative training conception of a highly experienced user in a European framework for simulator-based training of professional drivers in the European bus driving sector.
2. Development of a guideline "train the trainer" for the simulator-based training.

Projecthomepage: in construction

Project Contractor

Name: Technische Universität Dortmund - Sozialforschungsstelle - sfs TUDO
City: Dortmund
Region: Arnsberg
Country: DE-Germany
Organization Type: university/Fachhochschule/academy
Homepage: <http://www.tu-dortmund.de>

Contact Person

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Coordinator

Name: Technische Universität Dortmund - Sozialforschungsstelle - sfs TUDO
City: Dortmund
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Partner

Partner 1

Name: Berufsbildungszentrum Straßenverkehr gGmbH
City: Nordhausen
Region: Thüringen
Country: DE-Germany
Organization Type: continuing training institution
Homepage: <http://www.bbz-nordhausen.de>

Partner 2

Name: SIMRAC
City: Tampere
Region: Uusimaa (Suuralue)
Country: FI-Finland
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: <http://www.simrac.com>

Partner 3

Name: ÖPNV-Akademie Austria
City: Wien
Region: Vienna
Country: AT-Austria
Organization Type: continuing training institution
Homepage: <http://www.oepnv-akademie.at>

Partner 4

Name: Korsisaari Oy
City: Nurmijärvi
Region: Uusimaa (Suuralue)
Country: FI-Finland
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: <http://www.korsisaari.fi>

Partner

Partner 5

Name: Työteho-seura ry
City: RAJAMÄKI
Region: Uusimaa (Suuralue)
Country: FI-Finland
Organization Type: employers' organisation
Homepage: <http://www.tts.fi>

Partner 6

Name: TT-C Training Technology-Consulting GmbH
City: Aystetten
Region: Bayern
Country: DE-Germany
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: <http://www.tt-c.de>

Partner 7

Name: Cranfield University - School of Engineering
City: Cranfield Bedfordshire
Region: Eastern
Country: UK-United Kingdom
Organization Type: university/Fachhochschule/academy
Homepage: <http://www.cranfield.ac.uk>

Partner 8

Name: CORYS Training and Engineering Support Systems
City: Grenoble
Region: Rhône-Alpes
Country: FR-France
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: <http://www.corys.com>

Project Files

Schroeder TTD Kongress Dresden 23-11-2011 final.pdf

<http://www.adam-europe.eu/prj/8560/prj/Schroeder%20TTD%20Kongress%20Dresden%2023-11-2011%20final.pdf>

Presentation of the main results of the Lifelong Learning Partnership Project "Simulator Based Training for Bus Drivers" on the TTD Conference Technology Based Training for Drivers, Dresden Germany, 23. of November 2011

Events

Kick-off-Meeting

Date 01.12.2011

Description In the Kick-off Meeting the partnership was introduced, the transition from the preliminary partnership project STB (Simulator Based Training for Bus Drivers) to the innovation transfer project SIMTEB was described, an overview of the project objectives and planning was made, and the first action relevant work packages were discussed concerning the objectives, tools and methods, the next steps and activities:
WP 1: Management Tools and Administration
WP 2: Evaluation of relevant results of simulator research and advanced inventory of current simulator examples
WP 8: Advisory Board
WP 9: Dissemination and Valorisation

Target audience Project partners.

Public Closed event

Contact Information Schröder, Antonius <Schroeder@sfs-dortmund.de>

Time and place 1st and 2nd of December 2011, sfs TU Dortmund Germany.

Project Meeting

Date 03.04.2012

Description Presentation and discussion of the state-of-the art implications for the development of the training framework implementation of the advisory board

Target audience Project partners, external experts

Public Closed event

Contact Information Pirita Niemi <Pirita.Niemi@tts.fi>

Time and place 3rd, 4th of May 2012 Helsinki Finland