



Distribution Cert

LLP-LdV/TOI/2008/EE/002

<http://www.adam-europe.eu/adam/project/view.htm?prj=7473>

Projektinformationen

Titel: Distribution Cert

Projektnummer: LLP-LdV/TOI/2008/EE/002

Jahr: 2008

Projekttyp: Innovationstransfer

Status: abgeschlossen

Land: EE-Estland

Marketing Text: Eines der Hauptziele dieses Projekts ist es, das bestehende finnische System der vorbereitenden Schulungen und Kompetenztests in Estland und Lettland einzuführen. Dies wird zusammen mit der Erarbeitung eines multinationalen Ausbildungsprogramms (finnisch-estnisch-lettisch) und durch die Organisation von Schulungen und Kompetenztests für Studierende durchgeführt, die künftig als Elektroanlagenmonteure arbeiten werden. Als Ergebnis wird das Projekt die Erfassung von Anforderungen an die Qualifikation und die Sachkunde der Elektroanlagenmonteure in beteiligten Ländern vereinheitlichen. Darüber hinaus wird das Projekt zur gegenseitigen Anerkennung der Zertifikate in der elektrotechnischen Ausbildung führen, was wiederum hilft, Voraussetzungen für die Freizügigkeit der Elektroanlagenmonteure innerhalb der baltischen Staaten sowie zwischen den baltischen Staaten und Finnland zu etablieren.

Zusammenfassung: The main content of Distribution Cert - project is to transfer the Finnish system how to organize training and competence tests for students Estonia and Latvia. The target group consists of technicians who want to have further qualifications within the branch of electricity networks. The transfer will happen by implementing the existing Finnish system of preparatory training for competence-based qualification and competence tests.

Regarding the development of preparatory training for competence-based qualification the situation in Estonia and Latvia is to the certain extent similar to the situation in Finland 15 years ago. The problems were recognized in Finland in early 1990 and the development work started. In the middle of 1990 the system was established and the system for competence-based qualification started to grow.

The aim of this project is to solve the problem of a lacking method how to organize preparatory trainings and competence tests for electrical network technicians in Estonia and Latvia. The project will concentrate in producing the tools and methods for students to become a technician with further qualifications in electrical network engineering.

The objective of this project is to develop a system and a framework for electrical network technicians or anyone wishing to become one to earn the qualifications and other certifications that are required in Finland, Estonia and Latvia. The necessary joint teaching materials and training programmes will then be developed based on the Finnish, Estonian and Latvian qualifications guidelines (candidates can also earn the qualification through a competence test if they already possess sufficient skills and knowledge). A co-operation network, which will be established as a support tool, will facilitate the sharing of resources (teachers, equipment) between the participating educational institutions. The project will also set up possibilities and channels for student exchange and on-the-job learning / training in neighboring countries.

The key impacts of the project will be the development of multinational study programme and co-operation networks as well as establishment of competence-based qualifications in all participating countries. This co-operation will make enable and speed up the transfer of the Finnish model for competence-based qualifications to Estonia and Latvia in stages.

Beschreibung: Electrical network sector is threatened by a severe shortage of labor, particularly of qualified technicians. According to recently made studies within the branch the situation is particularly worrying in Finland, where many electrical technicians are approaching their age of retirement and will shortly be leaving the labor markets.

Projektinformationen

The similar situation has been said to be in Estonia, too. On the other hand, there is a lot of workforce without formal qualifications and / or certifications working actively in the sector.

As a result of the missing formal qualifications they cannot undertake all tasks independently. The lack of a formal qualifications or certifications also makes changing jobs difficult, if not downright impossible.

Nevertheless, it is with the formal qualifications difficult for technicians to get posted across the border or start working in a new job, because each country, Finland, Estonia and Latvia, applies their own respective legislations and regulations. In addition the contents of the qualifications and how they can be taken vary greatly, even if the basics and the actual work duties are pretty much the same.

The aim of this project is to try and find a solution to these problems. It will be achieved by developing a clear, jointly agreed method for taking the qualifications, certifications and preparatory training and education. The participating educational institutions will organize and offer training and education that is developed during the project as well as possibilities for taking competence-based qualifications. This enables anyone who is interested (with at least basic skills) to participate in the training and / or competence-based qualifications and certifications for Finnish, Estonian and Latvian labor markets.

The provision of further training and education in the Finnish electrical sector has developed and found its shape over the course of decades and its quality is very high both in terms of planning and contents. The planning of training and education in Estonia and Latvia has undergone major changes in the past 15 years, and further and continuing education is still developing in them. Transferring the Finnish experiences to Estonia and Latvia can essentially speed up the development of further education in energy sector in these countries.

The objective of the Distribution Cert project is to transfer the Finnish system and a framework that enables employees in Estonia and Latvia to earn the qualifications and certifications they need for working in the electrical networks sector. These can be taken as competence-based qualifications in co-operation with one (or more) educational institutions participating in the project.

As a result, the project will harmonize recognition requirements for qualifications and their competencies in the participating countries. Furthermore it will lead to mutual recognition of certificates in electrical training, which in turn helps to establish preconditions for free movement of people in the Baltic rim countries.

The aim is to create a system that functions with the same principles in all three countries (Finland, Estonia and Latvia) and enables acquiring certifications for another country from the candidate's country of residence, as well as to promote harmonization of qualifications and certifications.

For employees this provides opportunities to access a better income levels and more stable employment. It also facilitates changing jobs in one's country of residence and across borders.

Employers will benefit from a more competent work force and being able to easier comply with the requirements of the authorities. Employers will also gain assurance in the quality of their contracts, work results and up-to-date technology.

This creates completely new possibilities for cross-border subcontracting and for example rapid power line repairs in case of natural disasters.

Themen: *** Anerkennung, Transparenz, Zertifizierung
*** Fernlehre

Projektinformationen

*** Unternehmen, KMU
*** Weiterbildung
** Lebenslanges Lernen

Sektoren: *** Energieversorgung
*** Erziehung und Unterricht

Produkt Typen: Fernlehre
Module
Programme/Curricula
Verfahren zur Analyse und Prognose des Berufsbildungsbedarfes
Homepage
Lehrmaterial

Produktinformation: 1. Background studies / Comprehensive results through Internet-survey regarding the current situation of the electrical networks sector in each country, the needs of labor markets regarding the content of training program and numbers of potential students in the near future (in Finnish and Estonian).

2. Vocational skills requirements / Requirements of competence-based qualification to pass competence tests and to achieve the certificate in the "Multi-national Training Program for Electricity network technician" planned and developed in the project (in Finnish, Estonian and Russian).

3. The structure and modules of the multi-national training program (in Finnish, English, Estonian and Russian).

4. The structure of the curriculum (general part) for the training program (in Finnish, Estonian and Russian).

5. Translation of the training book "Overhead line installations in electricity networks" from Finnish to Russian, author Mr. Markku Monni / Other teaching materials for various modules of the Finnish-Baltic training program mainly as E-learning material.

6. The training program for trainers / The training program is planned for those persons who will take the responsibility for the future pilot trainings in Baltic countries.

Projektwebseite: www.distributioncert.net

Vertragnehmer

Name: Eesti Elektritööstuse Liit
Stadt: Tallinn
Land/Region: Eesti
Land: EE-Estland
Organisationstyp: Gewerkschaftsorganisation
Homepage:

Kontaktperson

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Koordinator

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Stadt: Tallinn
Land/Region: Eesti
Land: EE-Estland
Organisationstyp: Gewerkschaftsorganisation
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Partner

Partner 1

Name: Tampereen Aikuiskoulutuskeskus (TAKK)
Stadt: Tampere
Land/Region: Länsi Suomi
Land: FI-Finnland
Organisationstyp: Weiterbildungseinrichtung
Homepage: <http://www.takk.fi>

Partner 2

Name: Latvian Association of Power Engineers and Energy Constructors (LEEA)
Stadt: Riga
Land/Region: Latvija
Land: LV-Lettland
Organisationstyp: Gewerkschaftsorganisation
Homepage: <http://www.bleea.lv>

Partner 3

Name: Tartu Vocational Education Centre (TVEC)
Stadt: Tartu
Land/Region: Eesti
Land: EE-Estland
Organisationstyp: Weiterbildungseinrichtung
Homepage: <http://www.khk.tartu.ee>

Partner 4

Name: Estonian Association of Electrical Enterprises (EAEE)
Stadt: Tallinn
Land/Region: Eesti
Land: EE-Estland
Organisationstyp: Gewerkschaftsorganisation
Homepage: <http://www.eetel.ee>

Partner

Partner 5

Name: MSPV-Konsultit Oy (MSPV)
Stadt: Paimio
Land/Region: Etelä-Suomi
Land: FI-Finnland
Organisationstyp: KMU - Klein- und Mittelunternehmen (bis zu 250 Mitarbeiter)
Homepage:

Partner 6

Name: Revolver Oy
Stadt: Turku
Land/Region: Etelä-Suomi
Land: FI-Finnland
Organisationstyp: KMU - Klein- und Mittelunternehmen (bis zu 250 Mitarbeiter)
Homepage: <http://www.revolver.fi>

Partner 7

Name: Eduel Oy
Stadt: Haapajärvi
Land/Region: Länsi Suomi
Land: FI-Finnland
Organisationstyp: KMU - Klein- und Mittelunternehmen (bis zu 250 Mitarbeiter)
Homepage: <http://www.eduel.fi>

Projektdateien

Questionary for Electricity network technician, FI.pdf

<http://www.adam-europe.eu/prj/7473/prj/Questionary%20for%20Electricity%20network%20technician%2C%20FI.pdf>

Required vocational skills for Electricity network technician, FI, ET, RU.pdf

<http://www.adam-europe.eu/prj/7473/prj/Required%20vocational%20skills%20for%20Electricity%20network%20technician%2C%20FI%2C%20ET%2C%20RU.p>

Results of Backgroud studies, FI.ppt

<http://www.adam-europe.eu/prj/7473/prj/Results%20of%20Backgroud%20studies%2C%20FI.ppt>

Results of Background studies, ET.ppt

<http://www.adam-europe.eu/prj/7473/prj/Results%20of%20Background%20studies%2C%20ET.ppt>

The manual for evaluation of prior learning, www.oskari.net, ET.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20manual%20for%20evaluation%20of%20prior%20learning%2C%20www.oskari.net%2C%20ET.pdf>

The manual for evaluation of prior learning, www.oskari.net, FI.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20manual%20for%20evaluation%20of%20prior%20learning%2C%20www.oskari.net%2C%20FI.pdf>

The manual for evaluation of prior learning, www.oskari.net, RU.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20manual%20for%20evaluation%20of%20prior%20learning%2C%20www.oskari.net%2C%20RU.pdf>

The structure of the curriculum (general part) for the training program, ET.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20structure%20of%20the%20curriculum%20%28general%20part%29%20for%20the%20training%20program%2C>

The structure of the curriculum (general part) for the training program, FI.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20structure%20of%20the%20curriculum%20%28general%20part%29%20for%20the%20training%20program%2C>

The structure of the curriculum (general part) for the training program, RU.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20structure%20of%20the%20curriculum%20%28general%20part%29%20for%20the%20training%20program%2C>

The structure of the multi-national training program, FI, EN, ET, RU.pdf

<http://www.adam-europe.eu/prj/7473/prj/The%20structure%20of%20the%20multi-national%20training%20program%2C%20FI%2C%20EN%2C%20ET%2C%20RU.pdf>

Produkte

- 1 Vocational skills requirements
- 2 The structure and modules of the multi-national training program
- 3 The structure of the curriculum (general part) for the training program
- 4 Questionary for Electricity network technician
- 5 Results of the Background studies

Produkt 'Vocational skills requirements'

Titel: Vocational skills requirements

Produkttyp: Programme/Curricula

Marketing Text: It has been described in the publication the requirements of competence-based qualifications to pass competence tests and to achieve the certificate in the "Multi-national Training Program for Electricity network technician" planned and developed in the project (in Finnish, Estonian and Russian).

Beschreibung: The most significant and important stage of the project was developing the multinational training programme for different module-specific skills. This work was started by translating the Requirements of the Competence-based Qualification for the existing Finnish Further Qualification for Power Plant Mechanics into both Estonian and Latvian. This was done because the partners decided to adopt the Finnish version as the basis for the framework for a new multi-national training programme being designed and to make any necessary changes, revisions and additions that would emerge during the project. The Estonian and Latvian partners have worked in close co-operation when comparing the vocational skills required in their respective countries with the Finnish version.

Zielgruppe: SME´s within the branch of electricity networks.

Resultat:

Anwendungsbereich: Trainings for employees who want to improve their competence as electricity network technician and, later on, to have the opportunity to work abroad.

Homepage:

Produktsprachen: Estnisch
Finnisch
Russisch

Produkt 'The structure and modules of the multi-national training program'

Titel: The structure and modules of the multi-national training program

Produkttyp: Programme/Curricula

Marketing Text: One of the key impacts of the project has been to develop the multinational study programme for network electricians. This has been achieved by using and observing the Finnish qualifications guidelines, Estonian and Latvian national guidelines and the new demands of labour markets in order to set up corresponding qualifications guidelines in Estonia and Latvia.

The extensive development work, carried out with a view to define the structure of the training programme and the modules representing different areas of skills contained therein, constitute the foundation and the framework of the entire project.

Beschreibung: This action undertakes a detailed definition of contents for each module of the training programme: what subjects it contains and what the core contents to be taught for each subject are. This enables the project to proceed to the preparation of teaching materials. The definitions will be further updated based on the feedback and comments on the materials and the pilots.

Zielgruppe: SME`s within the branch of electricity networks.

Resultat:

Anwendungsbereich: Trainings for employees who want to improve their competence as electricity network technician and, later on, to have the opportunity to work abroad.

Homepage:

Produktsprachen: Russisch
Finnisch
Estnisch
Englisch

Produkt 'The structure of the curriculum (general part) for the training program'

Titel: The structure of the curriculum (general part) for the training program

Produkttyp: Programme/Curricula

Marketing Text: When defining the structure of the curriculum for the Finnish-Baltic training program it has been concentrated primarily on the general part of the curriculum. The more detailed curriculum will be planned for pilot trainings by those training institutes who are going to organize the pilot trainings in various countries.

Beschreibung: The general part of curriculum was built on the basis of the training programme, which has been developed by Adult Education Centre of Tampere has for their own use. Thus both Estonian and Russian language versions have been prepared of this plan, to serve as the basis for the follow-up processing. With this training programme it has been easy to demonstrate for the Estonian and Latvian partners the way that the competence-based qualifications are realised in Finland. By learning and absorbing these methods, and by amending and modifying them to match the requirement of their respective countries, the partners have been able to progress towards the objective of the project, which is: The objective of the DISTRIBUTION Cert project is to transfer the Finnish system and a framework that enables employees in Estonia and Latvia to earn the qualifications and certifications they need for working in the electrical networks sector.

Zielgruppe: SME's within the branch of electricity networks.

Resultat:

Anwendungsbereich: Trainings for employees who want to improve their competence as electricity network technician and, later on, to have the opportunity to work abroad.

Homepage:

Produktsprachen: Finnisch
Estnisch
Russisch

Produkt 'Questionary for Electricity network technician'

Titel: Questionary for Electricity network technician

Produkttyp: Lehrmaterial

Marketing Text: The questionary is a part of self-learning materials produced in the project. It will be extended and completed during the follow-up project, Distribution Cert II, which has started on the beginning of November 2010.

Beschreibung:

Zielgruppe: SME´s within the branch of electricity networks.

Resultat:

Anwendungsbereich: Trainings for employees who want to improve their competence as electricity network technician and, later on, to have the opportunity to work abroad.

Homepage:

Produktsprachen: Finnisch

Produkt 'Results of the Background studies'

Titel: Results of the Background studies

Produkttyp: Verfahren zur Analyse und Prognose des Berufsbildungsbedarfes

Marketing Text: Background study aims at getting an overview of the current situation of the electrical networks sector in each country, the needs of labour markets regarding training contents and potential student numbers in the near future. Labour market needs can be directly investigated by enquiring employers or employers' organisations. The number of students / new employees required by businesses in the near future will be mapped out with a separate survey.

Beschreibung: The online surveys conducted in Finland and Estonia provided a solid foundation for further plans in terms of the necessity of the new training programme and its future content. The target group of the survey consisted of about 100 companies involved in electrical network sector and the invitations to participate in the survey were personally addressed to the specific experts in these companies who were known to have sufficient vision and experience of the field. Without this survey, the project would have lacked a sufficiently solid foundation to decide on the content and guidelines of the new training programme

In addition, it should be noted that these online surveys also functioned as the first signal of and message about the project towards relevant experts.

Zielgruppe: SME's within the branch of electricity networks.

Resultat:

Anwendungsbereich:

Homepage:

Produktsprachen: Estnisch
Finnisch

Veranstaltungen

Seminar for Network electricians with specialist qualification

Datum 04.05.2010

Beschreibung The project Distribution Cert was presented by Timo Talvitie / TAKK in the seminar which was organised by Adato Ltd, Finland.

Zielgruppe Employes and employees who have personally qualified the level of specialist as network electrician.

Öffentlich Geschlossene Veranstaltung

Kontaktinformation Timo Talvitie, TAKK

Zeitpunkt und Ort 4.5.2010, Tallinn, Estonia

Trade fair for electricity networks 2009

Datum 04.02.2009

Beschreibung The Professional trade fair for electricity and information networks is the leading trade fair for the industry.
One of the partners, Eduel Oy, was attending the fair as one of the exhibitors. Distribution Cert - project was presented on the stand.

As a nationwide fair it will reach the public sector's as well as the private sector's most important factors. The trade fair will provide information on the current conditions and prospects in the field and also answers to today's prevailing questions in seminars and training events as well as at the exhibitors' stands.

Zielgruppe SME's within the branch of electricity networks.

Öffentlich Öffentliche Veranstaltung

Kontaktinformation Reijo Latvala
Eduel Oy
www.eduel.fi

Zeitpunkt und Ort 4. -5.2.2009, Tampere, Finland