



Education and Culture DG
Lifelong Learning Programme
Leonardo da Vinci

ALC  VET

**Advanced eLearning Content for VET in
Recycling Industry SME**

Project Presentation

PL/07/LLP-LdV/TOI/140008

Overview of ALCVET project

The main objectives of ALCVET – “Advanced eLearning Content for VET in Recycling Industry SME” project is an adaptation of innovative content, which are results from the previous LdV and ICT Projects, into VET systems and companies in EU countries.

More than 90% of companies in recycling industry are SMEs, needing an urgent support for competency improvement. The ALCVET partners have contacted more than 500 SMEs and analysed the situation in this sector in EU and found out that a clear need to achieve the declared objectives regarding environmental protection is application of advanced continuous trainings of the SME staff. The cross-regional character and high variety of this sector with many specific areas (often low number of SMEs in one region in a specific area) and a need for cost-effective training solutions impose the requirement to provide solutions comprehensive enough to be useful for general recycler and for different specific areas (paper recycling, end-of-life vehicles – ELV- recycling etc.) and for different countries.

Starting from the above defined needs, the project aims to provide a cost-effective, comprehensive training system for SMEs in recycling domain covering 3 topics:

- general recycling technologies,
- process improvements (PI) and supporting ICT systems,
- new business forms and SME networking.

The objective is to provide unified training content applicable in different EU countries and regions and in different recycling areas (i.e. for the whole recycling sector) for defined target groups.

The ALCVET project is co-financed by Leonardo da Vinci Programme and complies with the Programme objectives to improve the quality of, and access to, continuing vocational training and the lifelong acquisition of skills and competencies with a view to increasing and developing adaptability, particularly in order to consolidate technological and organisational changes. Project duration will be 2 years starting November 2007.

ALCVET Solution

The project objectives will be achieved in the following key directions:

Sectoral transfer:

The existing courses, focused mainly on the ELV recycling, will be extended/updated with topics relevant for the other recycling areas.

National transfer:

The extended courses will be transferred to the new countries – Estonia and Slovakia. The transfer focus will be on the linguistic context, legal aspects of recycling (different environmental regulations, legislation), and specific socio-cultural aspects.

Technology upgrade:

All existing courses will be brought to the same learning technology level: they will be included in an advanced and comprehensive eLearning system enabling easy and efficient combination of the content for different courses for different target groups in different recycling areas.

The process of transferring innovative training content will be based on the following procedure:

- The needs and requirements of targeted users, already identified and analysed in the previous projects will be checked for validity, updated and extended with new ones for planned content extension (general recycling topics, local specifics etc) and for new regions/countries
- The innovative content from the previous projects will be analysed and updated to meet the requirements, and the methodology for transfer (based on ontology) will be identified
- The courses will be adapted to the approach for organisation of training in the new recycling areas, countries/regions and cultures (first for Estonia and Slovakia and then for others)
- Optimal ways for course transfer to new socio-cultural contexts will be identified, based on local training providers experiences and end-user requirements
- The ALCVET system will be integrated into national / regional training systems for recycling SMEs in the 4 partner countries – Estonia, Germany, Poland and Slovakia.

Project Target Groups

Less Qualified Workers

Less qualified workers, whose are a majority in recycling SMEs, need both initial and continuous training on general recycling and further on specific topics depending on recycling area. The challenging problem is to provide eLearning solution which is appropriate for less ICT experienced employees.

Management Staff

Management of recycling SMEs need a highly efficient continuous training in order to be able to react quickly to the market conditions change, new organisation forms and new business opportunities. Thus the whole spectrum of the ALCVET courses will be offered to them in an eLearning form specifically adapted to their working conditions (lack of time-short eLearning lessons for flexible use). The courses related to general topics will be organised also for management from business areas closely cooperating with recycling. This will offer the advantages of organising learning groups and transnational virtual study circles, particularly important for an increase of networking among these organisations.

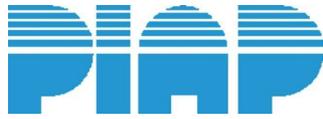
Technical Staff

Technical staff of SMEs has to be continuously educated on the latest technological developments. The ALCVET courses related to PI, new technologies and ICT systems introduction will be offered to them. In addition to the general aspects the area specific courses will be organised.

Trainers and Consultants

Trainers and consultants belonging to different kinds of training providing organisations, educating SME staff on business topics and needing a highly efficient delivery of up to date content. Another important part of this group are consultants coaching SME on PI (experts from RTD and consultancy companies).

ALCVET Partners



Industrial Research Institute for Automation and Measurements - (PIAP)

PIAP is a state owned research institution with rich experience in international collaboration, responsible for coordination of the ALCVET project. It is also responsible for requirements gathering and system testing in Poland, and content adaptation on general recycling topics.



Tartu Vocational Education Centre - (TVEEC)

TVEEC is the biggest vocational and further education centre in Estonia which operates in the following areas: adult training, vocational pre-training, psychological counselling, career planning, offering different services as e.g. production in school's workshops. TVEEC is responsible for requirements specification gathering, system localisation and testing in Estonia, as well as for adaptations from the point of view of the pedagogical methods applied.



Institute for Applied Systems Technology Bremen GmbH - (ATB)

ATB was founded in 1991 as a non-profit organisation with main strategic business areas of Systems Analysis & Design, Software Systems Technology and Knowledge Management including eLearning. ATB is responsible for the ALCVET services development and implementation as well as for requirements gathering in Germany.



KREDIT s.r.o.

KREDIT s.r.o. is a company for education of adults including training and consulting services and expert advisory related to development of human resources, implements flexible VET programs to adequately react to changing requirements of clients, and has its own know-how for training activities comprising distant studies, direct education and experiential learning. KREDIT is responsible for requirements gathering, system localisation and testing in Slovakia, as well as for adaptations of the pedagogical methods applied and aspects specific for managers.