

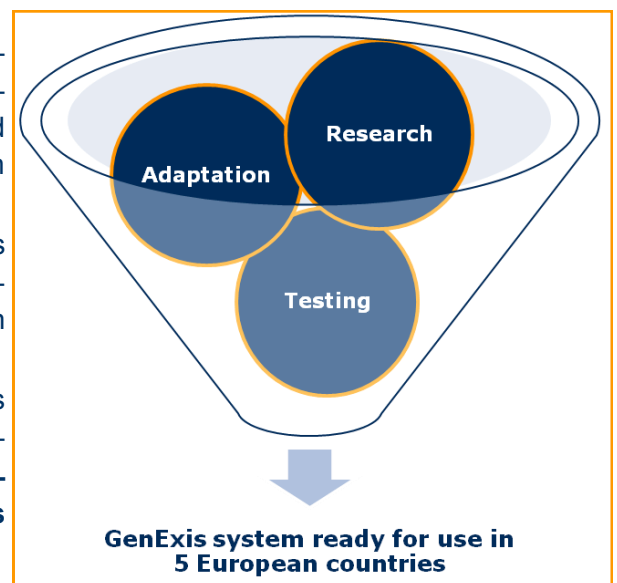
Adaptation of the e-learning system GenExis for use in vocational education and training

In 2008 Data Pro Group Ltd. in cooperation with 6 partnership organizations from 5 different countries launched Transfer of Innovation project “Computer based Exercise Generation and Evaluation System for Mathematics, Physics and Chemistry Subjects – GenExis”.

The aim of the project is to promote the development of human resources and to increase motivation and knowledge level of students of vocational education institutions in the field of mathematics, physics and chemistry through the use of e-learning system GenExis in their study process.

PROJECT ACTIVITIES

- **Research**— survey and analysis of specific needs for GenExis system adaptation in each partnership country and evaluation of initial version of the system from pedagogical point of view;
- **Adaptation**—translation of the GenExis system in all 5 languages and improvement of GenExis functionality based on results of the research;
- **Testing**—approbation of the GenExis system in vocational educational organizations— in total **21 educational organizations in 5 different countries** are involved in the project.



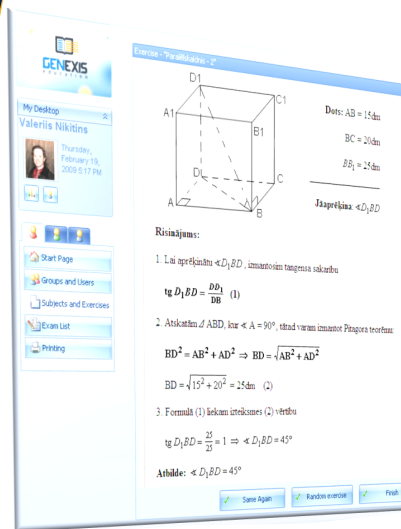
PROJECT PARTNERS

- Business Innovation Center of Latvian Electronic Industry (Latvia);
- Daugavpils University (Latvia);
- KTU Regional Science Park (Lithuania);
- Baltic Innovation Agency (Estonia);
- Elfa, s.r.o. (Slovakia);
- Accent International Language Consultancy (UK).

All the partnership organizations are technology and innovation transfer centres and/or educational institutions. For more information visit: <http://www.genexiseducation.com>



MAIN FEATURES OF GENEXIS



GenExis is an e-learning tool...

...based on exercise generation engine that allows to produce unlimited amount of exercises from one exercise template.

...that effectively uses learning-by-doing principle in the study process and provides a step-by-step solution for each exercise variation.

...that significantly reduces the amount of time a teacher has to spend on preparing and checking homework and tests.

GenExis functionality:

- Training, testing and printing using GenExis exercises;
- Obtaining statistical data on learning progress;
- Input of new educational content.

USER BENEFITS

Teachers...

...can create online or printed homework or tests within few minutes;

...can provide each student with different variation of the same exercise and not waste time on solving all of them as GenExis does it automatically;

...can see activity and success rates of each student;

...can spend a lot more time on individual training.

Students...

...can train or pass their tests using computer.

...can see step-by-step solution for each exercise variation and learn from their mistakes.

...can store statistical information about their learning process.



LARGEST VET SCHOOLS/ORGANIZATIONS INVOLVED IN THE PROJECT:

LATVIA

- Riga Technical College
- Valmiera Food Production Secondary School
- Jurmala Vocational Secondary School

SLOVAKIA

- Specialized secondary school technical (Michalovce)
- Secondary electrotechnical school (Košice)
- Specialized secondary school Ostrovskeho (Košice)
- Secondary vocational electrotechnical school (Prešov)
- Private specialized secondary school (Poprad)

LITHUANIA

- Marijampole VET Centre
- Alytus VET Centre
- Daugai VET Centre

UK

- Bicton College

ESTONIA

- Tartu VET Centre
- Tartu Descartes Lyceum
- Viljandi Joint Vocational Secondary School

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Lifelong Learning Programme



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