EU FUNDED PROJECTS
FOR CONSTRUCTION INDUSTRY:
RECOGNITION OF QUALIFICATIONS
AND EDUCATION QUALITY IMPROVEMENT

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Presentation Plan

- Genesis of the EU funded Projects at WUT
- Chosen projects presentation – employers and higher education co-operation
- Summary
EU Directive on Recognition of Professional Qualifications

- It aims to facilitate, where possible, the flow of manpower between Member Countries of the European Union.
- The Directive on the recognition of professions (equivalence) and the harmonization of professional qualifications.
- Standards, directives and goals of individual countries differ from one another and for this purpose there should be done some equivalence and harmonization of rules among European Union countries participating in the program.
Leonardo da Vinci projects as a supporting tool for creation of the professional education system, certification and mutual recognition of managerial skills of civil engineers and construction employees in EU
Development of New Management Studies and Courses in the Field of Management in Construction for Engineers According to the Requirements of European Union.

The project aimed to bring Polish education system of civil engineers in the field management to the requirements of a market economy. As a result of this project models were developed, for training in general management, and outline was made of the necessary base of manuals and teaching aids to conduct training.
Improvement of the linguistic skills of Polish and Portuguese Construction managers and engineers - recognition of needs and preparation of courses in „Construction English Language“
Leonardo da Vinci III

"Model of professional qualification structure and new methods of promotion, certification and mutual recognition of managerial skills in construction industry according to EU requirements"

Polish Association of Building Managers (PSMB) was established as a result of this project.
Leonardo da Vinci V

Common Learning Outcomes for Construction Managers in EU PART I, II and III

Model of certification and mutual recognition of qualifications of managers and civil engineers in the European Union—development of the base of textbooks for postgraduate supporting studies

(2006 – 2008)
(2009 – 2011)
(2011 – 2013)
FIRST seven manuals were developed, which create
LIBRARY OF CONSTRUCTION MANAGER:

- Financial Management in Construction
- Human Resources Management
- Partnering in Construction
- Commercial Management
- Real Estate Management
- Project Management
- Construction Management
New 6 Manuals under final preparation (end 2011)

- Risk Management in Construction
- Lean Management in Construction
- Computer Methods in Management of Construction Projects
- PPP projects in construction
- Value Management in Construction
- Best Practice in Construction Projects
New Manuals will be ready in 2013 (newly accepted project): (soft elements of management)

- Due-diligence in Construction
- Motivation and Psychology Aspects in Construction Industry
- Professionalism and Ethics in Construction
- Sustainability in Construction
- Health and Safety in Construction
- Pathology in Construction
WHY CONSTRUCTION MANAGERS LIBRARY IS NEEDED?

REASON 1: Professional Cards (EurBE)

Professional cards, organised by AEEBC (Association d'Experts Européens du Bâtiment et de la Construction - European Association of Building Surveyors and Construction Experts), are the first step in developing a common platform:

- Standards should be established, with the participation of professional organizations and competent authorities, to assess training requirements.
- Promoting the integration and harmonization of various educational / professional structures by the EU Member States.
REASON 2: Postgraduate studies „Management in construction”
IMPROVING VOCATIONAL EDUCATION IN THE CONSTRUCTION INDUSTRY SECTOR WITH THE AIM OF IDENTIFICATION AND RECOGNITION QUALIFICATIONS IN EUROPEAN UNION COUNTRIES

2008-1-PL1-LEO05-02059
The project’s objective were to:

- compare and improve either, on domestic and European level, the state of vocational education and trainings as well as developing and supplementing knowledge gained by graduates from vocational schools and technical secondary schools.

- identification of vocational knowledge shortages

- design an innovative program of vocational trainings based on eight selected construction professions for graduates from vocational schools and technical secondary schools and employees who are professionally active and want to increase their skills and manuals for future tutors
The project widely promoted idea of regular vocational development, support activities leading to implementation of European tools concerning education and vocational training – equalization of opportunities on European job markets, intensification of cooperation among companies from construction sector and social organizations in order to promote vocational development with reference to EQF and ECVET in the Europe.

- 8 training modules concerning construction trades
- Course books for future tutors
- Audiovisual materials supporting didactic materials
CEDEFOP STUDY VISIT
WARSAW, POLAND, 20.09.2011

In Polish, English, French, Italian, Portuguese, Greek
Leonardo da Vinci VII

”Transeuropean Promotion of Public-Private Partnership” (2010-2012)

Distance learning courses in PPP projects procedures and management with use of MOODLE (Modular object oriented distance learning education)

Incubator PPP
Leonardo da Vinci VIII

”Strengthening of European funds absorption in infrastructure construction projects”
(2010-2012)

Distance learning courses in risk management and claims and disputes management with use of MOODLE
(Modular object oriented distance learning education)
Augmented reality applied to machinery maintenance from construction sector
LDV SHANIME (2012-2014)

Preventing Accidents in Construction – Health and Safety Multimedia Animated Learning
Construction Professions on the Labour Market

Priority IX. Development of Education and Competences in Regions
Task 9.2. Development of Attractiveness and Quality of Professional Education

Project Co-financed from EU Funds in the Frame of ESF
Goals of the project were:
- adjustment of the education to the industry needs,
- development of the youngsters education
- development of innovation in training
CEDEFOP STUDY VISIT
WARSAW, POLAND, 20.09.2011

Education Office of the City of Warsaw - the project Coordinator

Polish Association of Construction Industry Employers – the project logistic

Main Subcontractor: Warsaw University of Technology

POLITECHNIKA WARSZAWSKA

Construction companies, Members of PZPB


Building materials producers

Thank you for your attention

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