REPORT
Workpackage no. 8

Date: June 2006

Title: **EVALUATION AND IMPLEMENTATION OF THE NECESSARY IT
SYSTEM (DEVELOPMENT OF THE CECA INFRASTRUCTURE)**

Duration: Month 3 - Month 13

Partners Involved:

P1	Politehnica University of Bucharest, Romania	C
P2	SILABO, Italy	☐
P3	Sistemi e Servizi, Italy	☐
P4	CLC-KUT, Lithuania	☐
P5	MECB, Malta	☐
P6	XGrant, The Netherlands	☐

Coordinator: P1

EDUCATION AND CULTURE

WP Objectives
- Analyse the requirements of the IT systems needed for the project running (at the site of the Promoter)
- Analyse the methods of implementing the techniques of IT system development in report with the needs of the project (at the site of the Promoter)
- Purchase all necessary equipment for the CECA centre infrastructure for the Promoter site
- Purchase all necessary equipment for the CECA centre infrastructure for the mirror sites (at partners P2 and P4) – if funding is sufficient
- Identify the methods and technical means of implementation (at the site of the Promoter)

Work report
(including working techniques used, results and methodology)

- Study the existing IT system of the center

The existing IT center consisted in a number of 8 computers, based on low performance processors such as AMD 700 MHz. Furthermore, the monitors of each system are 14'' CRT monitors, with insufficient image space and resolution for working in a modern CAD environment.

In the IT center there is a LAN (Local Area Network), but the performance of this network is low (transfer rates of maximum 10 Mbps). Internet connection is available, but slow.

- Define the IT requirements (hardware and software requirements)

The IT infrastructure should be based on:
- Computers with enough processing power to cope with Computer Aided Deisgn applications (minimum requirements processor at 2 GHZ, 256 MB RAM, 60 GB HDD, video cards with open GL and 128 MB VRAM)
- All computers should be networked in a LAN and connected to a server responsible for licensing
- All computers should be connected to the Internet and specifically set up so that Outlook Express mailing program is working properly (email accounts created and set on each computer)
- A CAD application such as Autodesk AutoCAD
- A printer or a plotter in order to print the design created in the CAD environment
- A telephone/fax for communication of the center with prospective students and representatives of the target audience

- Detail the functions and functional structure of the necessary IT applications

The minimum IT infrastructure for and ECDL traiing/testing system is:
- 10 PCs with Pentium IV processors, 256 MB RAM, operating system Microsoft Windows, with Autodesk AutoCAD application
- one printer or plotter
- one telehone/fax
- one video projector +screen

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- Purchase the necessary equipment and implement the necessary designed IT system (the CECA centre is a direct product of the project)

Following proper public acquisition procedures, the promoter has purchased the necessary IT equipment: 11 computers, 1 video projector, 1 screen, 1 multifunctional fax/copier/scanner/telephone, 1 A4 printer, 1 A3 printer (the plotter was too highly priced for the project budget), networking cables and switch.

The room for the center is CK105. The total number of computers in the center is 18 computers, all with internet connection with own unique IP address, among which one is the server. Autodesk AutoCAD Inventor 2007 was installed on every computers and the server is responsible for licensing processes.
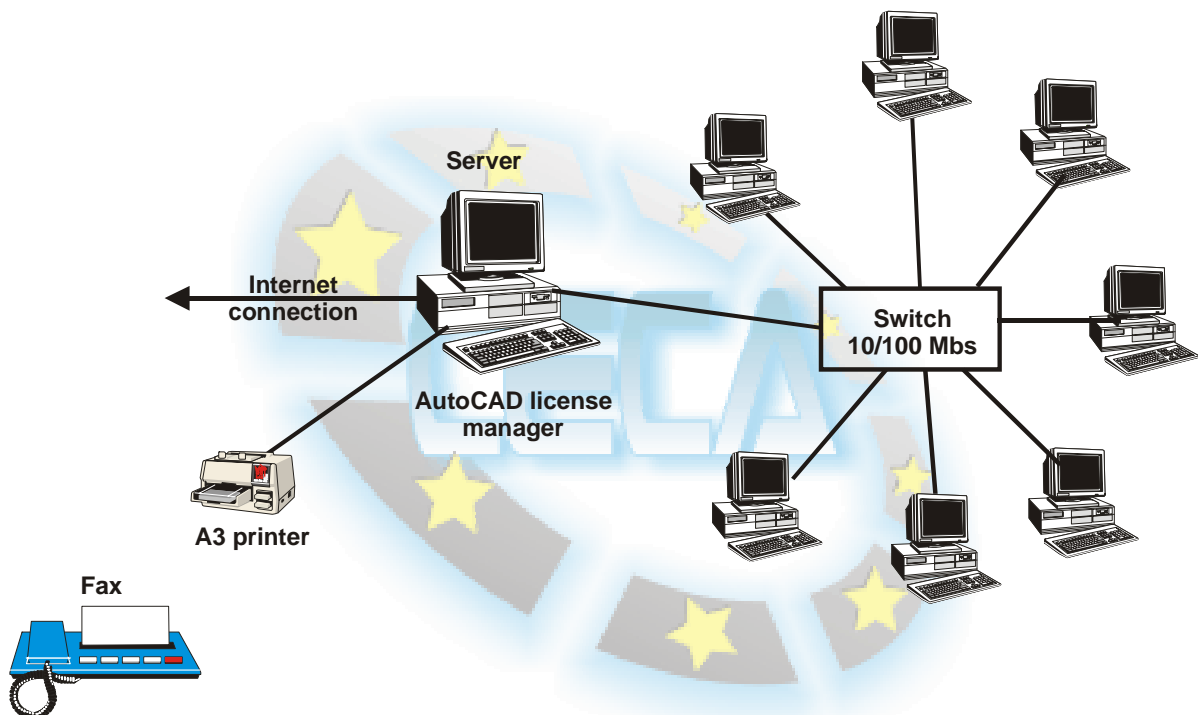
Room CK105 – the center location in the Politehnica University of Bucharest

Room CE210 – where the student details and results databases are securely stored

- Ongoing discussions with representatives of the ECDL National Agencies in order to get approval of the IT system (in the light of the future accreditation process of the CECA centre)

An audit of the center infrastructure has been made by Mr. Vlad Cazan, representative of the ECDL Romania – the ECDL official body in Romania. The IT infrastructure was certified by ECDL Romania to be sufficient for providing training/testing in the area of ECDL CAD.

EDUCATION AND CULTURE

Room CK105 before the infrastructure and equipment was purchased

IT Equipment after was purchased

Arranging the centre – installing equipment, cables, etc.

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Centre after the infrastructure and IT equipment is in place

Deliverables
Fully workable infrastructure for the CECA centre.

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