Projects and Products Portal for Leonardo da Vinci

Formation professionnelle continue certifiée d’expert en prévention du feu pour l’effectif ancien en bâtiments

D/06/B/F/PP-146 530

http://www.adam-europe.eu/adam/project/view.htm?prj=2706

Information sur le projet

Titre:	Formation professionnelle continue certifiée d'expert en prévention du feu pour l'effectif ancien en bâtiments
Code Projet:	D/06/B/F/PP-146 530
Année:	2006
Type de Projet:	Projet Pilotes (2000-2006)
Statut:	Clôturé
Pays:	DE-Allemagne
Accroche marketing :	Le but du projet était la mise sur pied d'une mesure de formation professionnelle continue qui permet une formation certifiée d'expert en prévention du feu pour l'effectif ancien en bâtiments et qui peut inclure toute la UE.

Résumé: The processing of the project included a partnership with nine partners from six countries. At the beginning information on the topic was gathered and stored in an internal database. The information was constantly sifted through and summarized in 14 chapters.

Based on these project results an e-learning platform was programmed and posted on the Internet (protected access for project partners only up to now under www.eefpbs.eu, contents mainly in English). During the final phase the advanced vocational training measure was tested up to its certifiability. It is available to advanced vocational training institutions.

Description: The real estate stock of all kinds in the EU-area is estimated at up to a hundred million units. Apart from traffic the construction and operation of buildings represent the most comprehensive interference of man with natural processes. Our time essentially demands construction and real estate industries that are safe and as resource-efficient as possible. In order to maintain a high safety level the fire safety of buildings has to meet certain requirements. Whereas new buildings, depending on their type of use, have to fulfil the requirements made and monitored by the building supervision and insurances, the standards for the preventive structural fire protection in the housing stock are usually low. This is partially due to the requirements to be met by the structural fire protection that have been sharpened in the course of the last decades and to the adoption of technical compensation measures such as sprinklers and automatic fire detection systems. With respect to fire protection the built volumes are basically more critical than new buildings. Europe-wide the building activities meanwhile concentrate rather on the construction in housing stock than on the construction of new buildings.

The principal rule, however, is as follows: The older a building, the less calculable the fire outbreak and development. Fire compartments are changed by redevelopment and conversion. (Electric) installations might initiate a fire. The growing necessity to upgrade the house engineering of older buildings as well requires installations with additional fire risks. The mobile fire loads and the amounts of inflammable dust and dirt added increase. By means of structural or installation-specific measures the fire risk can be reduced considerably, which may, however, result in high costs due to exaggerated measures. Here expert knowledge is the key to useful measures at reasonable and fair prices.

The training of the planners is dominated by the fire protection planning, if at all, for new buildings. As to fire protection a considerable need for training and further education has been established Europe-wide in the last few years. What is lacking is a platform for the purpose of information and the exchange of experiences and of the advanced vocational training of construction experts who plan and build fire protection in housing stock.

Thèmes:
*** Formation tout au long de la vie
*** Formation continue
** Enseignement supérieur
** Validation, transparence, certification
** Formation ouverte et ? distance

Information sur le projet

Sectors:	*** Activités Spécialisées, Scientifiques Et Techniques
Types de Produit:	Enseignement ? distance Matériel d'apprentissage
Information sur le produit :	The main product is an e-learning system. It has been posted on the Internet (www.eefpbs.eu) with restricted access. The contents are almost exclusively written and saved in English. The system, however, allows users to switch between English and German. Thus future contents written in German can be posted there, which has already been done regarding some chapters (e. g. chapter 3 and chapter 12). The e-learning system was generated by subdividing the contents as follows: 1. Specific fire risks in building stock 2. Type of use - building purpose 3. Escape and rescue routes 4. Performance of typical materials 5. Fire resistance of existing elements 6. Facades 7. Judicial base 8. Upgrade of passive fire protection 9. Active fire protection 10. Building services 11. Preservation of cultural heritage 12. Fire fighting 13. Organisational fire prevention 14. Fire protection planning 15. More to read 16. Keywords The chapters 1 to 14 have been programmed as separate learning units. These learning units generally consist of four steps. Teaching units presented as audio-video presentations are the core of the e-learning system (step 1). They are complemented by saved PowerPoint presentations that run simultaneously with or independently of the video presentations (step 2). A long text version provides the possibility of self- instruction (step 3) and is supplemented by a summary (step 4). In addition to this, chapter 15 includes further sources of information in form of country-specific Internet links. In chapter 16 explanations on subject-specific keywords can be looked up in no time. According to estimations the students will need five business days on average to take in the prepared learning contents.
Page Web du projet:	www.eefpbs.eu

Contractant du projet

Nom	Ingenieurkammer Hessen
Ville	Wiesbaden
Région	Darmstadt
Pays	DE-Allemagne
Type d'organisation	Institution publique
Site Internet:	http://www.ingkh.de

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Coordinateur

Nom	Deutsche Gesellschaft für Holzforschung e.V.
Ville	München
Région	Upper Bavaria
Pays	DE-Allemagne
Type d'organisation	Institution conjointe
Site Internet:	http://www.dgfh.de

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Partenaire

Partner 1

Nom	Ingenieurkammer Hessen
Ville	Wiesbaden
Région	Darmstadt
Pays	DE-Allemagne
Type d'organisation	Institution publique
Site Internet:	http://www.ingkh.de

Partner 2

Nom	Deutsche Gesellschaft für Holzforschung e.V.
Ville	München
Région	Upper Bavaria
Pays	DE-Allemagne
Type d'organisation	Institution conjointe
Site Internet:	http://www.dgfh.de

Partner 3

Nom	Technische Universität München
Ville	München
Région	Upper Bavaria
Pays	DE-Allemagne
Type d'organisation	Université/école supérieure spécialisée/academie
Site Internet:	http://www.bv.tum.de

Partner 4

Nom	Universität Innsbruck
Ville	Innsbruck
Région	Tyrol
Pays	AT-Autriche
Type d'organisation	Université/école supérieure spécialisée/academie
Site Internet:	http://www.uibk.ac.at

Partenaire

Partner 5

Nom	Feuerwehr Frankfurt
Ville	Frankfurt
Région	Darmstadt
Pays	DE-Allemagne
Type d'organisation	Institution publique
Site Internet:	http://www.stadt-frankfurt.de

Partner 6

Nom	Design Bureau Resond Ltd
Ville	Polva/Estonia
Région	Eesti
Pays	EE-Estonie
Type d'organisation	Entreprise de petite et de moyenne taille (jusqu'à 250 employés)
Site Internet:	http://www.resand.ee

Partner 7

Nom	VTT Technical Research Centre of Finland
Ville	Espoo
Région	Aland
Pays	FI-Finlande
Type d'organisation	Institution de recherche
Site Internet:	http://www.vtt.fi

Partner 8

Nom	Traetek
Ville	Stockholm
Région	Stockholm
Pays	SE-Suède
Type d'organisation	Institution de recherche
Site Internet:	http://www.tratek.se

Partenaire

Partner 9

Nom	CSTB - Département Sécurité, Structures et Feu - Division Ingénierie de la Sécurité et
Ville	
Région	Ile De France
Pays	FR-France
Type d'organisation	Institution de recherche
Site Internet:	http://www.cstb.fr

Produits

1 Internet based certified Training - in Progress

Produit
'Internet based certified Training - in Progress'

Titre :
Internet based certified Training - in Progress

Type de Produit:
Enseignement à distance

Texte marketing :

Description:
- In co-operation with experts of the fire brigades and parties involved in the construction process a database referring to the preventive structural fire protection in building stocks is created (in German and English). Based thereupon an Internet-based learning and advanced vocational training system is established and tested. The created advanced vocational training system shall be distributed via appropriate institutes that guarantee a certification. Furthermore, the embedding in post-graduate courses of studies is a reasonable option.
The advanced vocational training system includes a curriculum and the requirements of a successful completion of the measure. The subjects are taught by means of a mixture of attendance stages and e-learning modules. The technical contents of the attendance stages and e-learning modules are additionally compiled in a manual, which is part of the final report.
The learning platform is divided into the following chapters:
- Introduction
- Fire behaviour of building materials
- Fire behaviour of components and buildings
- Structural fire protection
- Technical fire protection (including technical possibilities of compensation)
- Fire prevention conceptions
- Collection of examples

Cible :

Résultat :
- The database will be created immediately upon the beginning of the project. After presumably two meetings of all partners (and further meetings of parts of the partnership) the collected information and the generation of the date base will be co-ordinated. One year after the beginning of the project the database will be available. Based thereupon the Internet-based learning and advanced vocational training system will be programmed and tested. At least two meeting of all partners (and further meetings of parts of the partnership) are required for this purpose. After checking the certifiability of the advanced vocational training measure it will be available for introduction.
The closed learning and advanced vocational training system co-ordinated at European level and meant for certified experts in preventive structural fire protection in building stocks will be available two years after the beginning of the project (in German and English).

Domaine d'application :

Adresse du site Internet :

Langues de produit :