Projects and Products Portal for Leonardo da Vinci

Outils d'apprentissage novateurs pour la Mécatronique et Biomécatronique

2010-1-CZ1-LEO05-04302

http://www.adam-europe.eu/adam/project/view.htm?prj=7164

Information sur le projet

Titre:	Outils d'apprentissage novateurs pour la Mécatronique et Biomécatronique
Code Projet:	2010-1-CZ1-LEO05-04302
Année:	2010
Type de Projet:	Projets de transfert d'innovation
Statut:	En cours
Pays:	CZ-Tchéquie
Accroche marketing:	Le projet se concentre sur le développement des compétences interdisciplinaires et les compétences du personnel dans les professions techniques. Le cours «mécatronique» combine les compétences professionnelles en mécanique et en électronique. Les partenaires ont l'intention de soutenir l'amélioration de la qualité et l'innovation dans l'enseignement et de formation via le développement et le transfert d'un nouvel add-on module de formation axé sur biomechatronics, plus spécifiques sur l'utilisation des compétences interdisciplinaires dans le secteur des dispositifs médicaux.
Résumé:	A full interactive educational program for training modules of mechatronics and biomechatronics.
Description:	The program is being designed as a "blended learning", i.e. a combination of standard and advanced forms of training (e-learning with interactive web meetings and virtual classroom), which helps to increase the efficiency of the educational process. The development of the program involves an international team of experts from 3 EU countries. The program is to be available in 4 languages: Czech, English, German and Slovenian.
Thèmes:	* Formation tout au long de la vie * Orientation professionnelle * Entreprise, TPE, PME * Égalité des chances * Formation continue
Sectors:	*** Industrie Manufacturière *** Enseignement
Types de Produit:	Modules Matériel pour l'enseignement Autres Site Internet Matériel d'apprentissage DVD
Information sur le produit:	User's Handbook - a study support book for Mechatronics and Biomechatronics that describes basic level of knowledge about mechanics, electronics, pneumatics, hydraulics and biomechatronics. Trainer's Manual - the manual consists of a guide of the course structure, case studies, exercises, methodology and testing tools. E-learning application - an on-line tool for web conferencing and e-learning solution. Promotional DVD ROM - Interactive DVD presentation of the Innovative Learning Tools for Mechatronics and Biomechatronics courses. Mechatronics Laboratory - Tools and equipment for practical training including electronic workplace and hydraulic/pneumatic workplace. The laboratory has been set up in Opava in Rekvalifikaní centrum Opava.

Information sur le projet

Page Web du projet: www.biomechatronics.eu

Contractant du projet

Nom:	STROJCAR, s.r.o.
Ville:	Opava
Pays/Région:	Moravskoslezsko
Pays:	CZ-Tchéquie
Type d'organisation:	Grande entreprise (plus de 250 employés)
Site Internet:	http://www.strojcar.cz

Personne de contact

Nom:	Ing. Stanislav Hoffmann
Adresse:	
Ville:	Opava
Pays:	CZ-Tchéquie
Téléphone:	00420553624384
Fax:	
E-mail:	s.hoffmann@strojcar.cz
Site internet:	http://www.strojcar.cz

Coordinateur

Nom:	DC VISION, s.r.o.
Ville:	Opava
Pays/Région:	Moravskoslezsko
Pays:	CZ-Tchéquie
Type d'organisation:	Entreprise de petite et de moyenne taille (jusqu'à 250 employés)
Site Internet:	http://www.dcvision.cz

Personne de contact

Nom:	Ing. Libor Witassek, MBA
Adresse:	
Ville:	Opava
Pays:	CZ-Tchéquie
Téléphone:	00420553654816
Fax:	
E-mail:	libor.witassek@dcvision.cz
Site internet:	http://www.dcvision.cz

Partenaire

Partner 1

Nom:	ZTS Zentrum für Technologiestrukturentwicklung Region Riesa-Grosenhain GmbH
Ville:	Glaubitz
Pays/Région:	Sachsen
Pays:	DE-Allemagne
Type d'organisation:	Institution de recherche
Site Internet:	http://www.zts.de

Partner 2

Nom:	STROJCAR, s.r.o.
Ville:	Opava
Pays/Région:	Moravskoslezsko
Pays:	CZ-Tchéquie
Type d'organisation:	Entreprise de petite et de moyenne taille (jusqu'à 250 employés)
Site Internet:	http://www.strojcar.cz

Partner 3

Nom:	DC VISION, s.r.o.
Ville:	Opava
Pays/Région:	Moravskoslezsko
Pays:	CZ-Tchéquie
Type d'organisation:	Entreprise de petite et de moyenne taille (jusqu'à 250 employés)
Site Internet:	http://www.dcvision.cz

Partner 4

Nom:	Solski center Ptuj
Ville:	Ptuj
Pays/Région:	Extra Regio
Pays:	SL-Slovénie
Type d'organisation:	Université/école supérieure spécialisée/academie
Site Internet:	http://www.scptuj.si

Partenaire

Partner 5

Nom:	Rekvalifikacni centrum Opava s.r.o.
Ville:	Opava
Pays/Région:	Moravskoslezsko
Pays:	CZ-Tchéquie
Type d'organisation:	Institution de formation continue
Site Internet:	http://www.rekvalifikacni-centrum.cz

Données du projet

Strojcar_Biomechatronics_Information about the project_EN.ppsx

http://www.adam-europe.eu/prj/7164/prj/Strojcar_Biomechatronics_Information%20about%20the%20project_EN.ppsx

Presentation with information about the project

Strojcar_Biomechatronics_Leaflet_CZ.pdf

http://www.adam-europe.eu/prj/7164/prj/Strojcar_Biomechatronics_Leaflet_CZ.pdf

Project leaflet in Czech language

Strojcar_Biomechatronics_Leaflet_DE.pdf

http://www.adam-europe.eu/prj/7164/prj/Strojcar_Biomechatronics_Leaflet_DE.pdf

Project leaflet in German language

Strojcar_Biomechatronics_Leaflet_EN.pdf

http://www.adam-europe.eu/prj/7164/prj/Strojcar_Biomechatronics_Leaflet_EN.pdf

Project leaflet in English

Strojcar_Biomechatronics_Leaflet_SL.pdf

http://www.adam-europe.eu/prj/7164/prj/Strojcar_Biomechatronics_Leaflet_SL.pdf

Project leaflet in Slovenian language

Produits

1 Biomechatronics leaflet

2 Project website

3 Users'handbook

4 Trainer's manual

5 E-learning aplication

6 Mechatronics laboratory in Opava

7 Promotional DVD ROM

8 International Colloquium for Machinery Industry

9 Workshops for lecturers and trainers

Produit 'Biomechatronics leaflet'

Titre:	Biomechatronics leaflet
Type de Produit:	Autres
Texte marketing:	The leaflet informs all interested people about the learning tools for mechatronics and biomechatronics.
Description:	The leaflet is created to be used for raising awareness about the project and its activities and results. It briefly describes the project, target group, products, benefits of e-learning and it gives contacts.
Cible:	• Employees of SMEs in machinery, • Students of the technical schools, • Trainees at school, • Redundant people, • SME managers, • Educational institutions, • Trainers.
Résultat:	The leaflet is available.
Domaine d'application:	The leaflet is designed to inform public and people interested in mechatronics and biomechatronics and similar.
Adresse du site Internet:	
Langues de produit:	anglais

product files

Strojcar_Biomechatronics_Information about the project_CZ.ppsx

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Information%20about%20the%20project_CZ.ppsx
Project information presentation CZ

Strojcar_Biomechatronics_Information about the project_DE.ppsx

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Information%20about%20the%20project_DE.ppsx
Project information presentation DE

Strojcar_Biomechatronics_Information about the project_EN.ppsx

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Information%20about%20the%20project_EN.ppsx
Project information presentation EN

Strojcar_Biomechatronics_Information about the project_SL.ppsx

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Information%20about%20the%20project_SL.ppsx
Project information presentation SL

Strojcar_Biomechatronics_Leaflet_CZ.pdf

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Leaflet_CZ.pdf
Leaflet CZ

Strojcar_Biomechatronics_Leaflet_DE.pdf

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Leaflet_DE.pdf
Leaflet DE

Strojcar_Biomechatronics_Leaflet_EN.pdf

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Leaflet_EN.pdf
Leaflet EN

Strojcar_Biomechatronics_Leaflet_SL.pdf

http://www.adam-europe.eu/prj/7164/prd/1/1/Strojcar_Biomechatronics_Leaflet_SL.pdf

product files

Leaflet SL

Produit 'Project website'

Titre:	Project website
Type de Produit:	Site Internet
Texte marketing:	Project website including all relevant information about project, its news, activities, results and information about project partners. It is available in 4 languages for people that are interested in topic of mechatronic and biomechatronics.
Description:	Project website structure consists of six parts - home (brief introduction), news (info about activities), project (more detailed information about the project), results (description of results), partners (project partners and information about them), e-learning (log-inf for e-learning), and contacts (project partners' contacts).
Cible:	Employees of SMEs in machinery, Students of the technical schools, Trainees at school, Redundant people, SME managers, Educational institutions, Trainers.
Résultat:	Is online
Domaine d'application:	For those who are interested in mechatronics and biomechatronics.
Adresse du site Internet:	www.biomechatronics.eu
Langues de produit:	anglais

Produit 'Users'handbook'

Titre:	Users'handbook
Type de Produit:	Matériel pour l'enseignement
Texte marketing:	The user's handbook is to be used during traning and for self-study. Students' work in the handbook is anticipated. The interactivity of the handbook will be accompanied by description of examples, pictures, photos and illustrative schemes. Pictograms for better understanding of handbook's content will be used. To verify understanding of handbook's content in every chapter will be a set of questions/exercises related to the chapter content.
Description:	The product is aimed for learning and practising during training of all modules. Those are mechatronics, pneumatics, hydraulics, electronics and biomechatronics. The product is to be created first in English and later on in Czech, Slovenian and also German. All the handbooks will be available for the students also via e-learning that is another project product. The result is to become a basic material for transfer of the knowledge to the partner countries.
Cible:	Employees of SMEs in machinery, Students of the technical schools, Trainees at school, Redundant people, SME managers, Educational institutions, Trainers.
Résultat:	All are available
Domaine d'application:	For students of mechatronics, pneumatics, hydraulics, electronics and biomechatronics.
Adresse du site Internet:	
Langues de produit:	anglais

Produit 'Trainer's manual'

Titre:	Trainer's manual
Type de Produit:	Matériel d'apprentissage
Texte marketing:	Trainer's manual complements the user's handbook during teaching the developed training.
Description:	The teaching manual is to include all modules of user's handbook plus didactic guideline for leading the training. Further key answers to exercises will be included.
Cible:	Educational institutions. Trainers.
Résultat:	Trainer's manuals have been created.
Domaine d'application:	To be used by trainers during the developed training.
Adresse du site Internet:	
Langues de produit:	anglais

Produit 'E-learning aplication'

Titre:	E-learning aplication
Type de Produit:	Enseignement à distance
Texte marketing:	E-learning is to support the training. Students may communicate via web conferences, study from distance all the modules, practise exercises and take tests for checking their gained knowledge.
Description:	On-line tool for web conferencing and e-learning solution that gives ability to captivate the auience within interactive web meetings and virtual classrooms experiences. The tool is to be multimedia rich and easy to use.
Cible:	Employees of SMEs in machinery, Students of the technical schools, Trainees at school, Redundant people, Educational institutions, Trainers.
Résultat:	Available
Domaine d'application:	E-learning is to support the training.
Adresse du site Internet:	http://www.biomechatronics.eu/elearning/www/index.php
Langues de produit:	tchèque

Produit 'Mechatronics laboratory in Opava'

Titre:	Mechatronics laboratory in Opava
Type de Produit:	Autres
Texte marketing:	A laboratory equipped with tools and other equipment for practical training. The laboratory was set up in Opava in Retraining Centre where it suppose to serve all participants at mechatronics and biomechatronics trainings. A mechatronics lab is to be used for practical training.
Description:	Tools and equipment for practical training. The laboratory has been equiped by the mechatronics tools, especially small tools for pneumatics, electronics and hydraulics with the support from Leonardo da Vinci funding. The team reflected the needs of the local industry in the North Moravian & Silesian region and bought Festo learning tools.
Cible:	Employees of SMEs in machinery, Students of the technical schools, Trainees at school, Redundant people, SME managers, Educational institutions, Trainers.
Résultat:	The mechatronics lab is available in Opava, Czech Republic.
Domaine d'application:	For practical training.
Adresse du site Internet:	
Langues de produit:	tchèque

Produit 'Promotional DVD ROM'

Titre:	Promotional DVD ROM
Type de Produit:	DVD
Texte marketing:	DVD is to demonstrate what is the training, developed during the project, about.
Description:	Interactive DVD for PC usage as well as DVD players. It should motivate the audiens and catch interest.
Cible:	• Employees of SMEs in machinery, • Students of the technical schools, • Trainees at school, • Redundant people, • SME managers, • Educational institutions, • Trainers.
Résultat:	DVD is available for dissemination in 4 languages: CZ, EN, DE, SL.
Domaine d'application:	Promotion of training develeped during the project.
Adresse du site Internet:	
Langues de produit:	anglais

Produit 'International Colloquium for Machinery Industry'

Titre:	International Colloquium for Machinery Industry
Type de Produit:	Autres
Texte marketing:	Industry experts and academics will come and give professional presentations related to the topic and new developed training programme. New possibilities for machinery industry in the field of Meditech (medical devices) were demonstrated.
Description:	Event where all project partners were present plus professional experts and academics in the project related scope. Set of presentations presented the results, achievements, future usage and importance of biomechatronics.
Cible:	Employees of SMEs in machinery, Students of the technical schools, Trainees at school, Redundant people, SME managers, Educational institutions, Trainers.
Résultat:	The conference took place on 12th September 2012 in Czech Republic.
Domaine d'application:	The conference is to raise knowledge about the project and its achievements.
Adresse du site Internet:	http://www.biomechatronics.eu/cs/aktuality/oznameni-o-konani-konference
Langues de produit:	anglais

Produit 'Workshops for lecturers and trainers'

Titre:	Workshops for lecturers and trainers
Type de Produit:	Autres
Texte marketing:	Workshops where potential lecturers and trainers will be introduced to the project outcomes and training possibilities.
Description:	DC VISION organized the Seminar for trainers on 31.8. - 1.9.2012 in Mala Moravka. Mr. Witassek introduced the project and all handbooks and manuals of modules that were to be developed during the project. STROJCAR and Retraining Centre Opava in cooperation with DC VISION organized the Information seminar on 27.9.2012 in Retraining Centre Opava. The event was open to wider public and still focused on representatives of SMEs' internal trainers. During the seminar, the project was introduces by Mr Hoffmann, project outcomes were presented and the established laboratory was presented too. The attendees had the opportunity to try the laboratory tools in the demo excercise hour.
Cible:	Lecturers, trainers and other educators and institutions, SME.
Résultat:	Seminar for trainers and Information seminar.
Domaine d'application:	For potential lecturers and trainers to get an overview about the training and also for representatives of small and middle sized companies.
Adresse du site Internet:	
Langues de produit:	tchèque

Événements

Workshops for lecturers and trainers - Information seminar

Date	27.09.2012
Description	Information about project, its outcomes and possible usage for future. It was organized by STROJCAR and Retraining Centre Opava with cooperation of DC VISION. Traning courses including practical lesons at the laboratory of mechatronics was presented.
Cible	The event was focused on representatives or internal lecturers of SMEs.
Public	Événement non public
Informations de contact	s.hoffmann@strojcar.cz
Date et lieu	27.9.2012 Rekvalifikaní centrum Opava, Czech Republic

Seminar Wissensmanagement at ZTS Centrum

Date	18.09.2012
Description	Informaiton about seminar, its ouputs and usage.
Cible	small and middle sized companies
Public	Événement non public
Informations de contact	barth@zts.de
Date et lieu	18.9.2012, ZTS Glaubitz, Germany

Information of potential project participants during the event "Knowledge management" in Glaubitz

Date	18.09.2012
Description	The event informed SME representatives about the project outcomes and opportunities it brings.
Cible	Small and middle sized companies.
Public	Événement non public
Informations de contact	barth@zts.de
Date et lieu	18.9.2012, Glaubitz, Germany

Événements

International Colloquium for Machinery Industry

Date	12.09.2012
Description	An international conference "Innovative Learning Tools for Mechatronics and Biomechatronics" consisted of professional presentations by industry experts and academics related to the new training courses. Final conference was visited by by small and middle companies - executives and others to receive information about project, its outputs and opportunities.
Cible	small and middle sized companies, executives, CEO's, managers from especially machinery industry, education institutions.
Public	Événement public
Informations de contact	dagmar.palzerova@dcvision.cz, 00420 553 654 816
Date et lieu	12.9.2012, Hotel VISTA, Ostrava

International Colloquium for Machinery Industry - International conference "Innovative Learning Tools for Mechatronics and Biomechatronics"

Date	12.09.2012
Description	The conference was full of professional presentations by industry experts and academics related to the new training courses. To better illustrate the contents the speakers used multimedia techniques and presentations. During presentations was used simultaneous interpreting.
Cible	Emplyers of SME, managers and trainers
Public	Événement non public
Informations de contact	dagmar.palzerovadcvision.cz
Date et lieu	12.9.2012, Hotel Vista Ostrava, Czech Republic

Événements

Dissemination on trade Fair in Celje (MOS)

Date	11.09.2012
Description	The event is the largest business and trade show event in the region where also new business deals and opportunities have its place. Therefore presenting Innovative Learning Tools for Mechatronics and Biomechatronics was arranged here too.
Cible	Small and middle sized companies.
Public	Événement non public
Informations de contact	martin.terbuc@scptuj.si
Date et lieu	11.9.2012-18.9.2012, Celje, Slovenia

Workshops for lecturers and trainers - Seminar for trainers

Date	31.08.2012
Description	Information about project, its outcomes and possible future usage.
Cible	Trainers and lecturers, both employed and freelancers, technical educators and SME.
Public	Événement non public
Informations de contact	dagmar.palzerova@dcvision.cz
Date et lieu	31.8. - 1.9.2012 Horský hotel BRANS, Malá Morávka, Czech Republic

Dissemination of the project on "Bionics - knowledge for the future"

Date	23.05.2012
Description	To inform employers from industry, trainers and lecturers about the project outcomes and opportunities it brings.
Cible	small and middle sized companies, large entreprises and schools
Public	Événement non public
Informations de contact	martin.terbuc@scptuj.si
Date et lieu	23.5.2012, SC Ptuj, Slovenia

Événements

Dissemination seminar

Date	10.05.2012
Description	Informative semminar to the project that informed potential trainers and lecturers about the project outcomes and opportunities it brings.
Cible	Pedagogical workers and others.
Public	Événement non public
Informations de contact	martin.terbuc@scptuj.si
Date et lieu	10.5.2012 SC Ptuj, Slovenia

Activity in Beroun, DC VISION

Date	27.06.2011
Description	Presentation of project at Monitoring meeting of Leonardo da Vinci project implementers
Cible	Leonardo da Vinci project implementers
Public	Événement non public
Informations de contact	pavla.witasskova@dcvision.cz, veronika.slivkova@naep.cz
Date et lieu	27.-28.6.2011, Hotel na Ostrov - Beroun, Czech Republic

Information of potential project participants-Dissemination of the project to vocational schools and SME of the region.

Date	05.04.2011
Description	Information about the project, partners, outputs.
Cible	small and middle sized companies
Public	Événement non public
Informations de contact	barth@zts.de
Date et lieu	5.4.2011, 2.5.2011, 3.5.2011, 4.5.2011, 9.5.2011, all in ZTS Glaubitz