

ASMAS objectives

Business objective

- Provide eLearning content in occupational health and safety (OHS) with the goal of training workers, engineers and technicians, enterprise managers, and consultants in OHS aspects related to the introduction and exploitation of automated systems.

Strategic objectives

- Improve the quality and attractiveness of the European vocational education and training (VET) system by adapting and integrating innovative content or results from previous LdV projects.
- Provide ASMAS results to public and/or private vocational training systems and companies at the national, local, regional, and sectoral level.

Technical objectives

- Transfer/adapt existing content into an integrated set of 4 vocational training courses. Training will be based on a common pedagogical approach adapted to the needs of each target group and the specific national regulations.
- Transfer/adapt the eLearning environment developed in a previous LdV project (ISAR), which facilitates the liaison between learning groups from co-operating SMES and transnational virtual study circles.
- Encapsulate the procedures required to create a unified qualification assessment methodology.
- Develop a training methodology and a handbook with guidelines for adapting ASMAS training courses for different groups of users. The handbook will include descriptions of ASMAS eLearning tools and methodologies for creating and updating web based lessons, developing and using eLearning ontologies, and integrating ASMAS courses in SMES.

ASMAS partners



Industrial Research Institute for Automation and Measurements (PIAP)

The Industrial Research Institute for Automation and Measurements (PIAP) belongs to a group of research institutes established in 1965 by the Ministry of Industry and Trade in Poland. PIAP is the coordinator of the ASMAS project and has expertise in automated systems, mechatronics, vocational elearning, valorisation and exploitation of project results.



LOT-CONSULT

Founded in 1993, LOT-CONSULT is at present the largest company in Bulgaria in the OHS area. LOT-CONSULT performs risk assessment and has established a Health and Safety Service that operates according to the Act for Health and Safety at work. LOT-CONSULT has longstanding experience in developing training content for the needs of the electrical and electronics industry.



Institute for Applied Systems Technology Bremen GmbH (ATB)

ATB was founded in 1991 as a non-profit organisation. ATB has produced a number of ICT solutions, including eLearning systems, authoring environments, and web based training courses. ATB has also been involved in eLearning system assessment and production of eLearning training content.



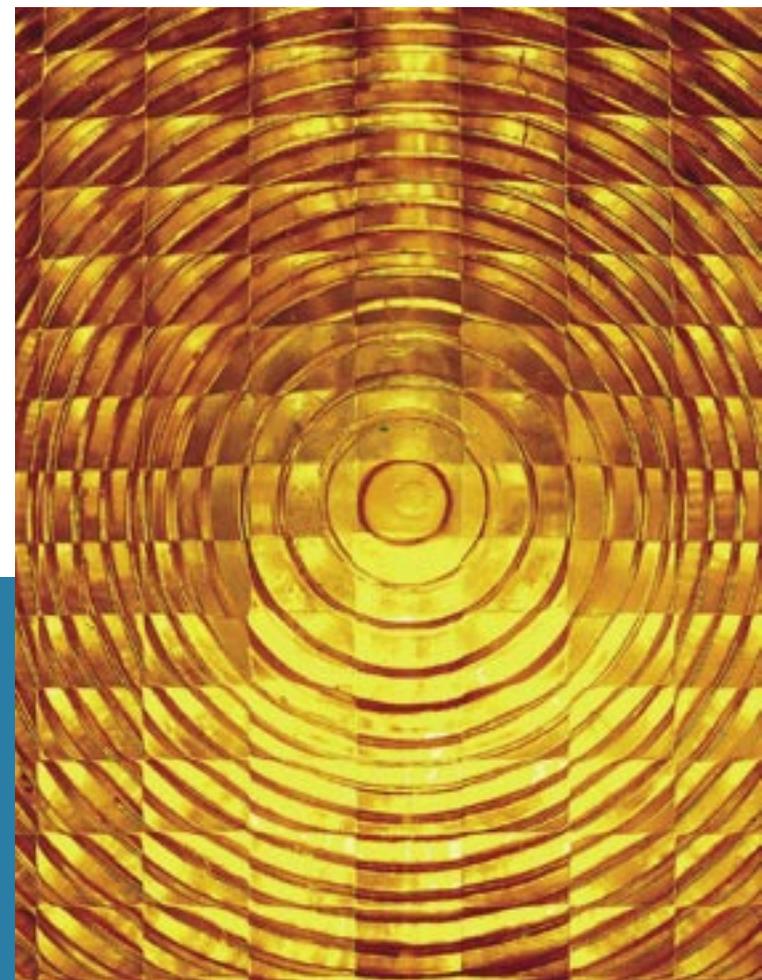
Cardiff University (CU)

Cardiff University (CU) was established in 1883, and continues to build on its reputation as an international centre for research and teaching. CU has longstanding experience in professional lifelong eLearning and performance support as well as risk assessment and management. CU provides expertise in software ontologies development and assessment of eLearning environments.

ASMAS



Advanced vocational European safety training for SMEs with automated systems



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Funded by the European commission

The ASMAS Leonardo da Vinci project

European Commission's Leonardo da Vinci programme serves as the main innovation body in the field of lifelong learning. Its objectives include reducing the number of unemployed European citizens and providing European companies with a skilled workforce that can cope with rapid scientific and technological changes. Currently, Leonardo da Vinci vocational training programme promotes transnational projects in an effort to increase mobility, to foster innovation and to improve the quality of training.

The ASMAS project is funded under the EU Leonardo da Vinci Programme for a period of two years. Its main goal is to facilitate the introduction of advanced occupational health and safety (OHS) procedures in Small to Medium Enterprises (SMEs) through the provision of a lifelong training curriculum. ASMAS will transfer and adapt existing training material related to legislation and safety practices. The ASMAS platform, based on recent advances in eLearning, comprises advanced knowledge structures, methodologies, tools and web services. The ASMAS partnership provides expertise and knowledge in eLearning technologies, legislation and safety practices, and vocational training.

Target Groups

Workers

SME workers with low qualifications will receive advanced training on issues related to risks occurring while using automated systems. The aim is to prevent work-related hazards and facilitate continuous personal development.

Engineers and technicians

Engineers and technicians who use automated systems on a daily basis will be informed about existing legislation and safety practices and the way these should be applied in the work place. One of the main issues addressed will be the effective and safe introduction of complex machines and automated equipment. The aim is to facilitate the implementation of existing EU safety regulations (e.g. framework Directive 89/391/EEC).

Enterprise managers

Managers should integrate European and national safety regulations and practices in the company culture. They will learn how to plan and implement health and safety procedures that will ensure the smooth operation of automated systems in a cost and labour effective manner.

Trainers

The ASMAS vocational platform will inform trainers on the latest developments in the field and will improve their competence and expertise.

Potential users

ASMAS results will benefit SMEs, professional organisations and educational institutions in the following way:

- SMEs will be able to introduce improved training processes, enabling their management and technical staff to implement OHS practices with minimal external help.
- Professional associations in different industrial sectors will be able to transfer existing good practices to member enterprises and their employees.
- Professional education and training organisations will be able to use the system for developing a wide range of vocational training programmes.
- Technical colleges will utilise the ASMAS platform in students' training.
- Project partners will use knowledge and tools created for the needs of the ASMAS project in the development of other online training services.

Other possible beneficiaries include:

- Institutions and organisations providing educational services.
- Local, regional, and national bodies working in the area of safety, lifelong learning, and vocational training.
- Research centres working in the field of lifelong learning.
- Higher education institutions.
- Non-profit institutions, voluntary bodies, NGOs.

