ALLIES

Digital Training Tools in Steel Structure Integrity

Given the impact that the digital era has had on our societies, on the present and future of the labour market, and on education systems, the application of The Digital Education Action Plan calls for closer cooperation between EU Member States so that education and training systems become appropriate for the digital age. From this perspective, the digital transformation in education is not only driven by advances in connectivity, but also impelled by the widespread use of digital devices and applications, the need for individual flexibility and the growing demand for digital skills. In this sense, the **ALLIES** project aims to tackle the challenge related to the role of digital education as a key objective for high-quality, accessible and inclusive teaching-learning-assessment, along with the need for a strategic approach to the acquisition of digital skills throughout life, for all actors involved.

From the point of view of the labour market in the steel structure construction sector, the development of new digital tools has led to the identification of a lack of skills of engineering professionals in the use of digital tools for design, analysis and inspection of metal structures. According to DESI, only 65% of engineers have basic digital skills. For this reason, the **ALLIES** project will develop a postgraduate program study focused on the inspection of steel structures, including an educational process supported by digital educational tools that should increase the quality of the teaching.

The **ALLIES** consortium consists of 4 universities – University of Craiova (Romania), Budapest University of Technology and Economics (Hungary), University Polytechnic of Bari (Italy) and University of Lisbon (Portugal), 1 umbrella organization in the field of engineering – European Federation for Welding, Joining and Cutting (Belgium), 1 welding institute focused mainly on steel structure construction – Italian Institute of Welding (Italy) and 1 company specialized in the development of new digital learning technologies – Augmented Training Services (Spain).

ALLIES targets two different categories of target groups: teachers from universities and professionals (graduates of mechanical, civil and industrial engineers). Besides that, **ALLIES** targets two types of specializations: ITC and steel structure integrity, in order to boost digital education in engineering sciences.

Project coordinator:

AUGMENTED TRAINING

MŰEGYETEM 1782

IIS

LISBOA UNIVERSIDADE DE LISBOA

Politecnico di Bari

EWF

Co-funded by the European Union

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein. Project: 2021-1-RO01-KA220-HED-000032181