



Novel learning approach for ERGOⁿomic principles for deSIGNers
working in the upholstery and sleep sectors by using
Virtual Reality – ERGOSIGN

ERGOSIGN- Newsletter N. 6

January 2017

This publication will keep you updated with the latest developments at consortium and European Union level, while informing about forthcoming activities of our project.

Enjoy reading!

ERGOSIGN Results - Developing course content (II)

Since November last year Project partners have started work to prepare the content of the second module of ERGOSIGN course. The second module named *Ergonomics and Materials* is led by Spanish partner – CETEM. The Spanish VET provider shares this responsibility with a Romanian Partner – *Transilvania University of Brasov*.

What the module will consist of?

The module will consist of 5 large chapters: 3. *Methods and Techniques for Manufacturing Upholstery. Auxiliary Materials and Assembling Accessories*; 4. *Methods and techniques used for manufacturing sleep products. Auxiliary materials and assembling accessories*; 5. *User safety*; 6. *Technical Drawing Applied to Furniture Design*; 7. *Additional Work to Ensure Product Ergonomics and Ecological Recycling of a Product*. Each chapter consists of several fully defined training units, which contains aspects that learners should know regarding the properties of the materials that are used to manufacture upholstered furniture, beds, mattresses and pillows.

This module will be very interesting for the target groups that know too little about technology, such as designers that are not particularly familiar with the furniture manufacturing technology (textile designers, industrial designers or product designers in general) and VET students that study to become design technicians in the furniture industry. At the same time this module will be also very interesting for those who are not particularly familiar with furniture tests and standards.

Curiosity (as we prepare to finish the work to the first module Basic Ergonomics): *The average male body height in the U.S. is about 15 cm greater than the average height of Vietnamese men. Some of the differences are decreasing. For example, a 12-cm increase in body height had been observed in Japanese teenagers over a time period of only 20-years.*



Furniture Sector in European Union

The furniture industry is traditionally labour-intensive and features a predominance of small and medium-sized enterprises (SMEs), as well as quite complex and fragmented supply chain, with many phases that are often outsourced. A common trend observed in the past decade is a growing degree of market openness, although important differences in the degree of openness of various national markets still remain. These stem from various factors including the history of the furniture industry, the structural conditions and the comparative advantage of the manufacturers located in each country.

Visit our website at: www.ergosignproject.eu to be the first to read the documents.

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