



Novel learning approach for ERGO<sup>n</sup>omic principles for deSIGNers working in the upholstery and sleep sectors by using Virtual Reality – ERGOSIGN

# ERGOSIGN- Newsletter N. 5

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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

Since September this year Project partners have started work to prepare the content of ERGOSIGN course. First module named Basic Ergonomics is led by Slovenian Partner- Univerza na Primorskem.

### What the module will consist of?

The module will consist of 2 large chapters: Introduction to Ergonomics and Anthropometry in Design. Each chapter consists of several fully

defined training units, which contains all aspects that learners should know:

<i>Introduction to Ergonomics</i>	<i>Anthropometry in Design</i>
<ol style="list-style-type: none"> <li>1. Introduction to Ergonomics,</li> <li>2. Posture and movements,</li> <li>3. Introduction to anthropometry,</li> <li>4. Environmental factors in Ergonomics,</li> <li>5. Evaluation methods.</li> </ol>	<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Understanding and using anthropometric data</li> <li>3. Important anthropometric measures</li> </ol>

### After these units, the learners will know or will be capable to do:

1. acquire basic knowledge on ergonomics
2. be able to evaluate if a workplace meets the ergonomic standards
3. recognize poor postures and movements
4. acquire basic knowledge on environmental ergonomic factors
5. understand and use anthropometrical data
6. know the most important measures of human body that should be considered in ergonomic design

**Curiosity:** The word ergonomics is derived from two Greek words – ergo (meaning work) and nomos (meaning laws). Human factors and human factors engineering are close synonyms, used predominantly in North America.



**Furniture Sector in European Union**

One quarter of the world’s furniture is produced in the EU. In 2010, about 940,000 European workers were employed in approximately 130,000 firms. In the same year, the sector’s production amounted to more than €83 billion with a value added of nearly €29 billion. Germany, Italy, Poland and France ranked among the top 10 furniture manufacturers worldwide, and held a combined share of 17% of world production and almost 60% of EU production.

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