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## Innovative 3D training platform for Recycling of Waste Electric and Electronic Devices

### About the project

The production of Electric and Electronic equipment is one of the most developing sectors of the universal industrial production. This development makes these products as one of the most important waste categories that need to be treated properly due the high content of valuable materials and risks related to toxic parts.

The RECDEV project aims to develop ICT-based self- and distance learning training courses familiarizing learners/users with the disassembly of electrical and electronic devices and the identification of types and qualities of materials embodied. It targets both low level workforce (disassembly), aiming at strengthening employability, safety at work and developing skills as well as higher employees (material identification) covering a crucial training gap in the WEEE industry.

### Topics at a glance: Consultations and training of employees from WEEE dismantling companies in Czech Republic



The third Workshop within RECDEV project was a significant opportunity for international exchange amongst the project team members and the WEEE dismantling and recycling sector in Czech Republic. The International Workshop took place in the premises of the Mendel University in Brno on the 20<sup>th</sup> of October, 2015. During the workshop the representatives from the STEELMET, ODAS, MYJOMI and BAMBAS briefly presented their activities in the field of WEEE dismantling and treatment; the session was followed by RECDEV partners presentations on the goals, specific objectives and activities performed in the last two years of implementation. Moreover, the specialist from Omegatech, the IT expert partner of the consortium, introduced

the training content designed for white (higher personnel) and blue collars (low skilled disassemblers) employees from WEEE dismantling and recycling sector, and the third draft version of the 3D training platform, products that will be subject for piloting activities in the next period. Omegatech specialist presented the structure, the functionalities, the information and data provided and also described the technology used for the creation of the 3D training platform, highlighting the fact that the tool is a living platform which can be updated and adapted to the specific needs of different WEEE recycling operators.

Surprisingly for the RECDEV project team, in the country a very high ratio of disabled employees are involved in the process of WEEE hand dismantling, due to the low profitability of such activities the government decided to encourage the development of social enterprises without whom it would be impossible to manage WEEE dismantling in the Czech Republic. Specific issues in WEEE management in the Czech Republic related to activities performed by the collective systems and to the training procedure for the new workers – in addition to safety training and familiarization with operating rules (as mandated by legal requirements) there is a strong need for systematic and focused training and methods to facilitate and increase its effectiveness.

## Topics at a glance: Presentation of the project at the Global Cleaner Production & Sustainable Consumption Conference



Professor Konstantin Aravossis representing the Lead Partner as well as RECDEV partnership, successfully presented the RECDEV poster indicating the main outcomes of the project at the Global Cleaner Production and Consumption Conference on 1–4 November 2015, in Sitges, Barcelona, Spain. The Global Cleaner Production & Sustainable Consumption Conference was focused on strategic, and preventative concepts and approaches, which are being implemented to speed up the great transition to post-fossil carbon societies that are ecologically, ethically, socially, culturally, and economically sustainable. The poster presentation raised high interest amongst the participants, in particular the structure of REDEV tool, the detailed information on hazardous components and substances and applicability of information in the eco-design of the electric and electronic products

## Upcoming activities & events

Piloting the RECDEV platform and training of employees.  
More information you can find on the website: [www.recdev.eu](http://www.recdev.eu)

## Partners



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