

## REPORT

**To:** MEDOW

**From:** Abel Ferreira

**Subject:** Winter meeting Barcelona - Cinergia's visit

**Date:** Tuesday, December 1, 2015

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The winter meeting was held between November 30th to December 4th in Barcelona, mainly hosted at the polytechnic university of Catalonia (UPC). According to the program, a technical visit to the MEDOW partner Cinergia took place on December 1<sup>st</sup>. Besides the opportunity to meet the company's engineers was also possible to know more about Cinergia's products.

The R&D engineer Marta Bergé introduced one active project which consists on the development of a small-scale Modular Multilevel Converter to be used for research purposes. Moreover, on Marta's presentation the attendance was able to identify the main converter components such as the sensors, semiconductor devices and the assembly strategy for individual modules.

Later, the ESR5-Abel Ferreira had the floor to share some research going on on the modular multilevel converter structures able to block dc faults.

The last presentation was given by Cinergia's CEO - Miquel Teixidó. Miquel shared his expertise on creating the Cinergia's company. Many details about the procedure for starting a business were presented, one of the most relevant, have the knowledge of the legislation. It was clear that Miquel was very motivated during his speech and at the end of his presentation he gave us an useful advice:

*If you want to create your own company there are no secrets,  
you just need to work, work and ... work even more.*

(Miquel Teixidó)

Finally, after the presentations, the MEDOW community was spread into three groups and the lab tours were initiated. The R&D engineers showed the company's equipment operating in different operating conditions which was very entertaining and interactive.