

3rd newsletter BIM4ENERGY

A digital way towards positive energy districts

Meeting in Technical University of Cluj-Napoca

Partners met for the 8th project meeting on the 29th and 30th of April in Technical University of Cluj-Napoca, which, together with Technical University of Cartagena belongs to EUt+, an alliance of nine European technological universities across nine countries each with its own campuses, collectively educating 100,000 students. EUt+ aims to develop an integrated model of technological education and research that includes engineering, sciences, humanities and social sciences disciplines, aiming to develop and offer joint European degrees in engineering by self-customized multicampus curricula.

Partners presented the last version of case studies and tutorials, after the peer review of the outcomes made by the different specialists taking part in the project. Rambøll Norway showed the state of the BIM4ENERGY calculator in order to gather approval of the last update just before the multiplier events, which were also agreed and planned.

The meeting took place in the Faculty of Civil Engineering, which studies have a strong focus on sustainable design and BIM methodology



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Iberian Peninsula Blackout

On Monday, 28 April 2025, at 12:33, a major power blackout occurred across the Iberian Peninsula, affecting mainland Portugal and peninsular Spain. Electricity supply was interrupted for about ten hours in most areas. The outage caused serious disruptions to telecommunications, transportation systems, and essential services such as emergency response.

The blackout also affected the BIM4ENERGY meeting, as the two Spanish partners — the Technical University of Cartagena and the Ayuntamiento de Ceutí — were unable to travel and therefore had to participate online. This incident provides a valuable opportunity to discuss several topics covered in the tutorials, particularly those related to energy sufficiency.

Basic concepts of energy efficiency

This tutorial provides an introduction to energy efficiency — explaining why it is so important, how to assess the energy performance of a building, and the various solutions available to improve it, as well as exploring future trends in the field. It is the first tutorial in a series that forms a complete course. However, it has been written in a clear and accessible way so that it can also be understood by a wider audience, including secondary school students or anyone interested in learning how to make their homes more energy-efficient. Find it at <https://www.bim4energy.eu/>

