Energy and Connectivity: Towards a Low Emission University Campus

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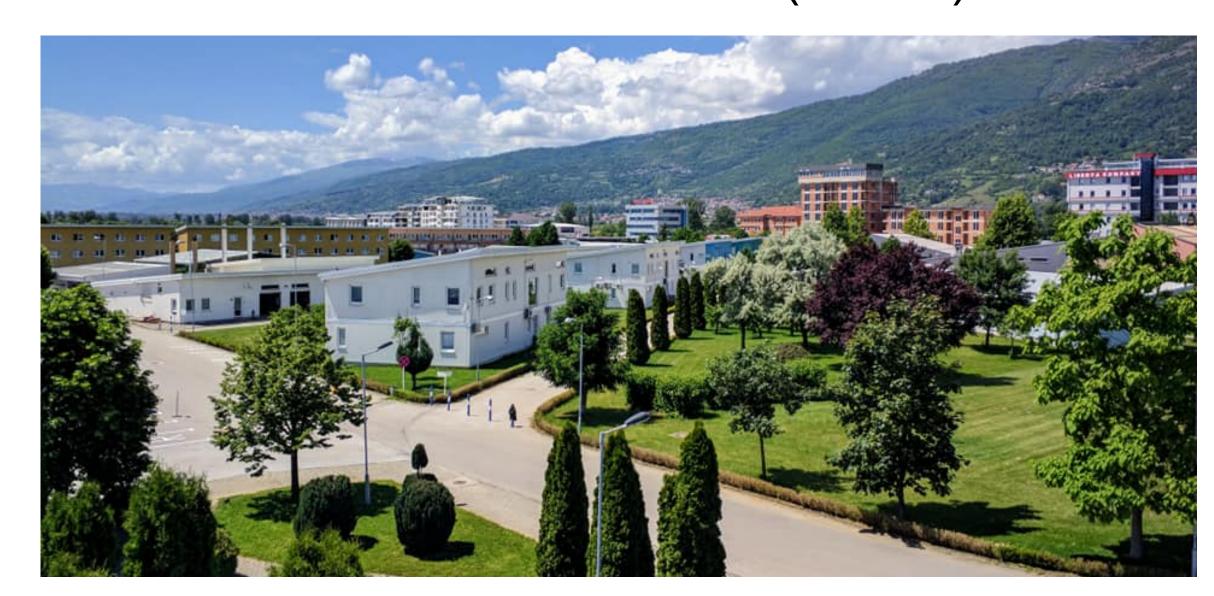
IETF 108, GAIA WG 28th of July 2020





South East European University (SEEU)

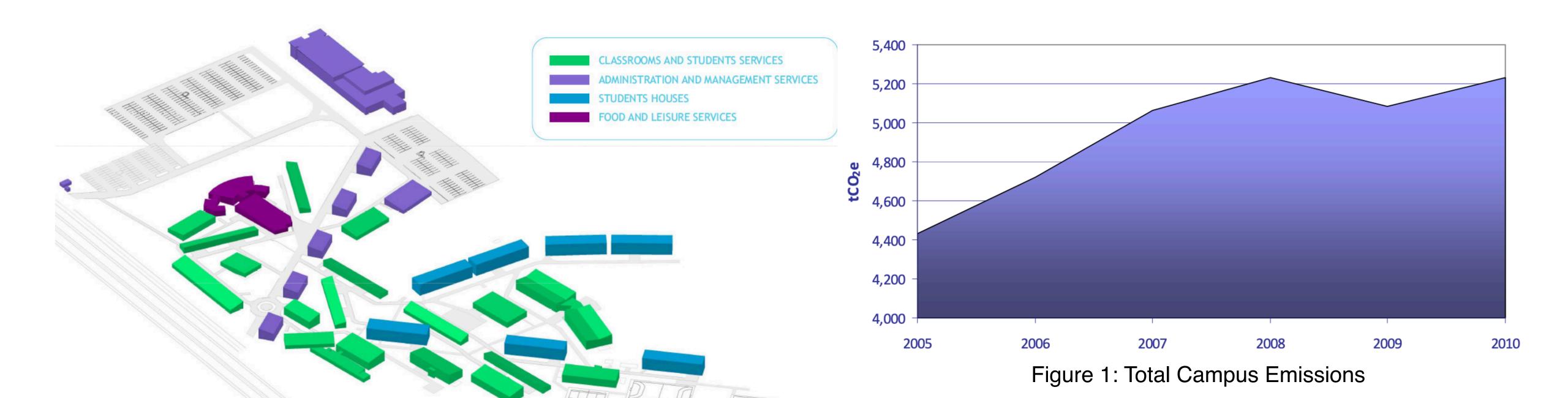
- Private, public, not for profit higher education institution in North Macedonia sponsored by OSCE, EU Commission and USAID
- The Campus has started the path to sustainability a few years ago with the aim to manage carbon and energy more efficiently.
- Low Emission University Campus through the Implementation of a Climate Action Plan (CAP).





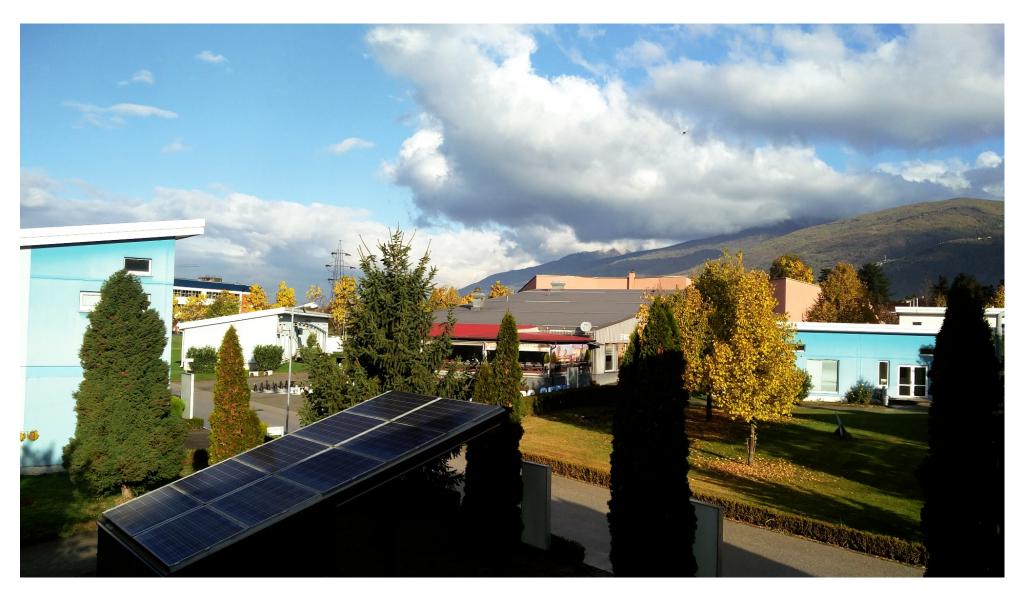
The Climate Action Plan (CAP)

• The project, launched on March 2010 aimed at introducing high energy efficiency measures and renewable energy technologies in the South East European University, with the purpose of realizing a low emission campus through the implementation of a CAP.



The Climate Action Plan (CAP)

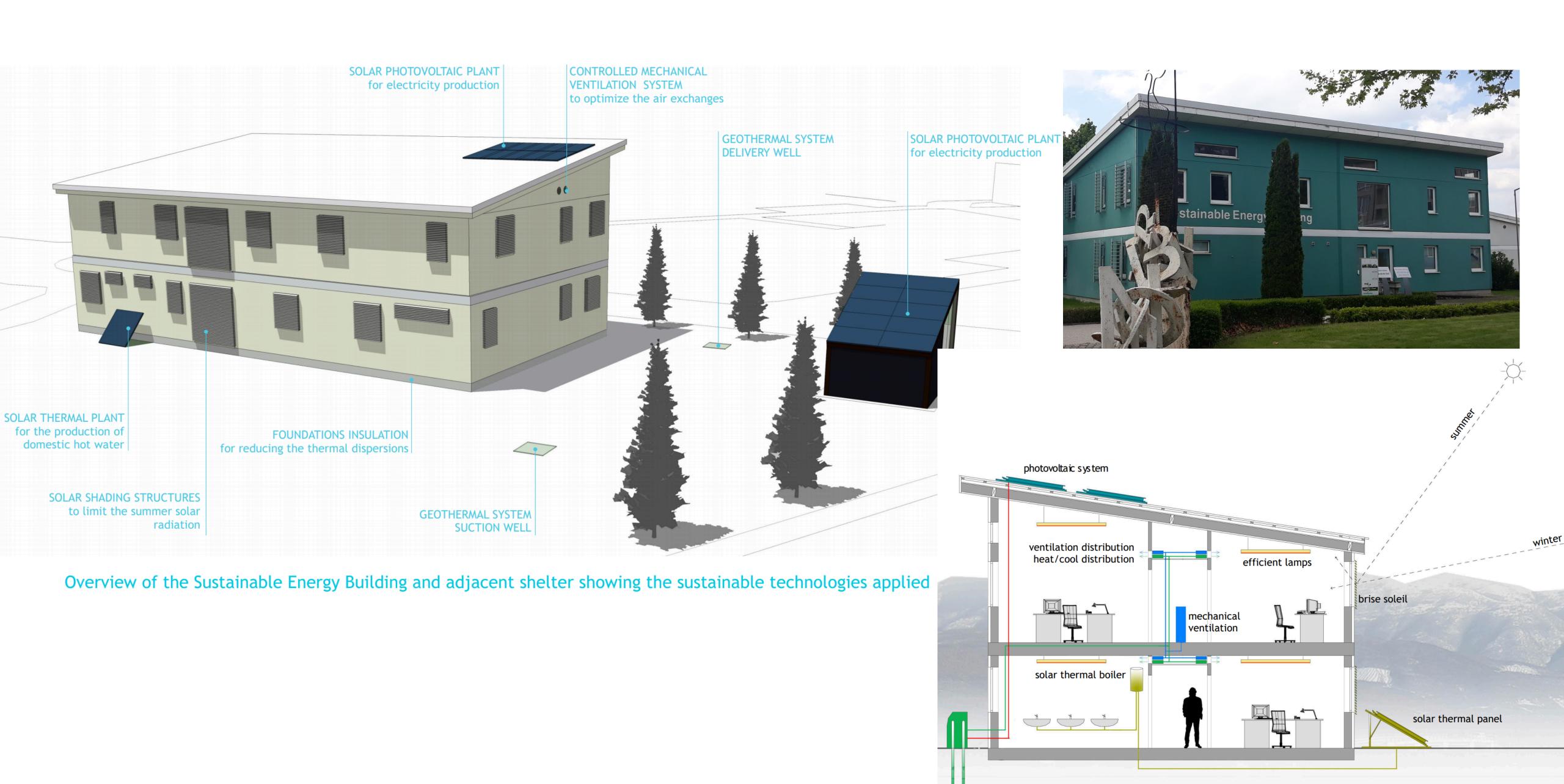




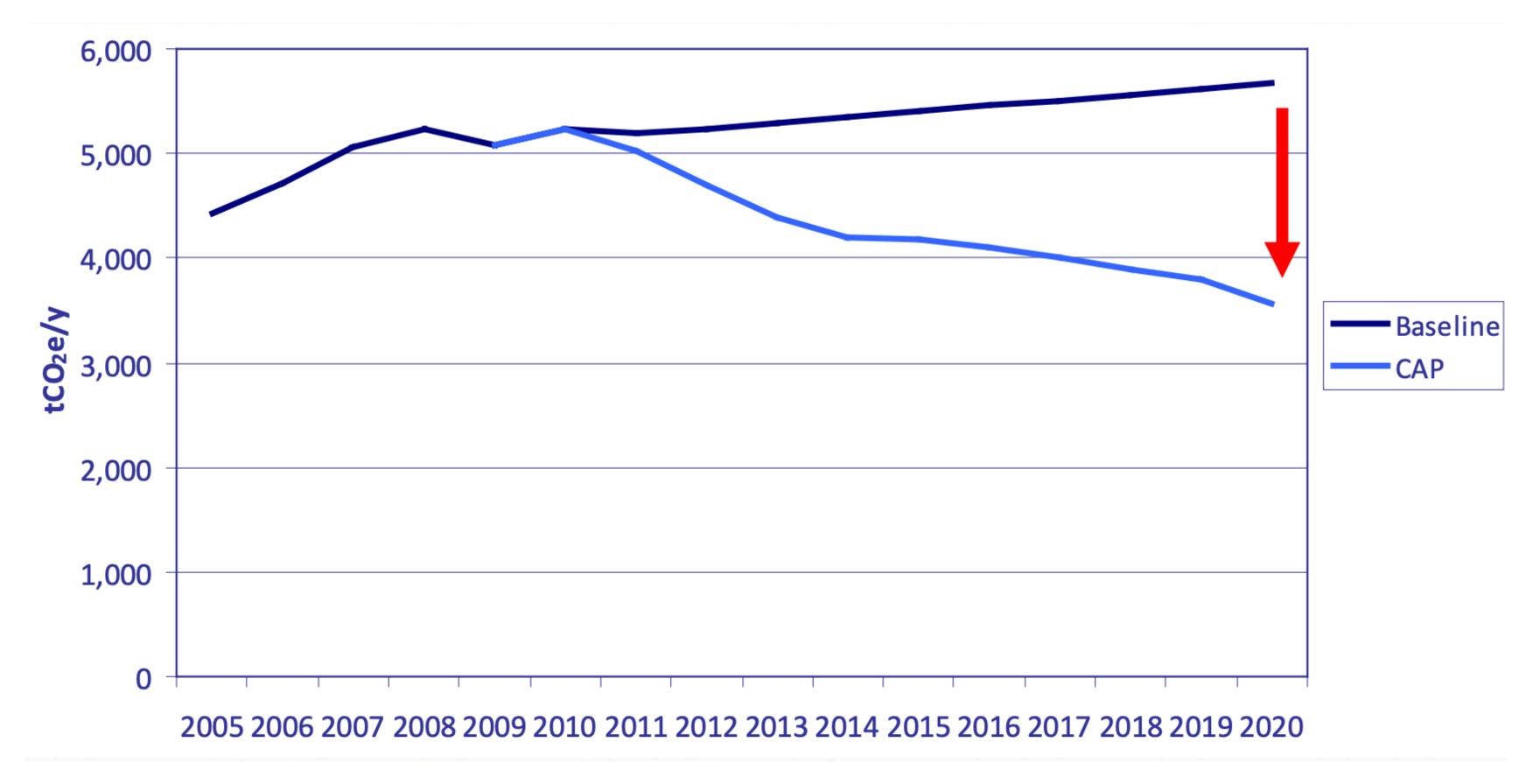


SEEU PV Plant 100kWp

The Sustainable Energy Building



SEEU Emissions by 2020

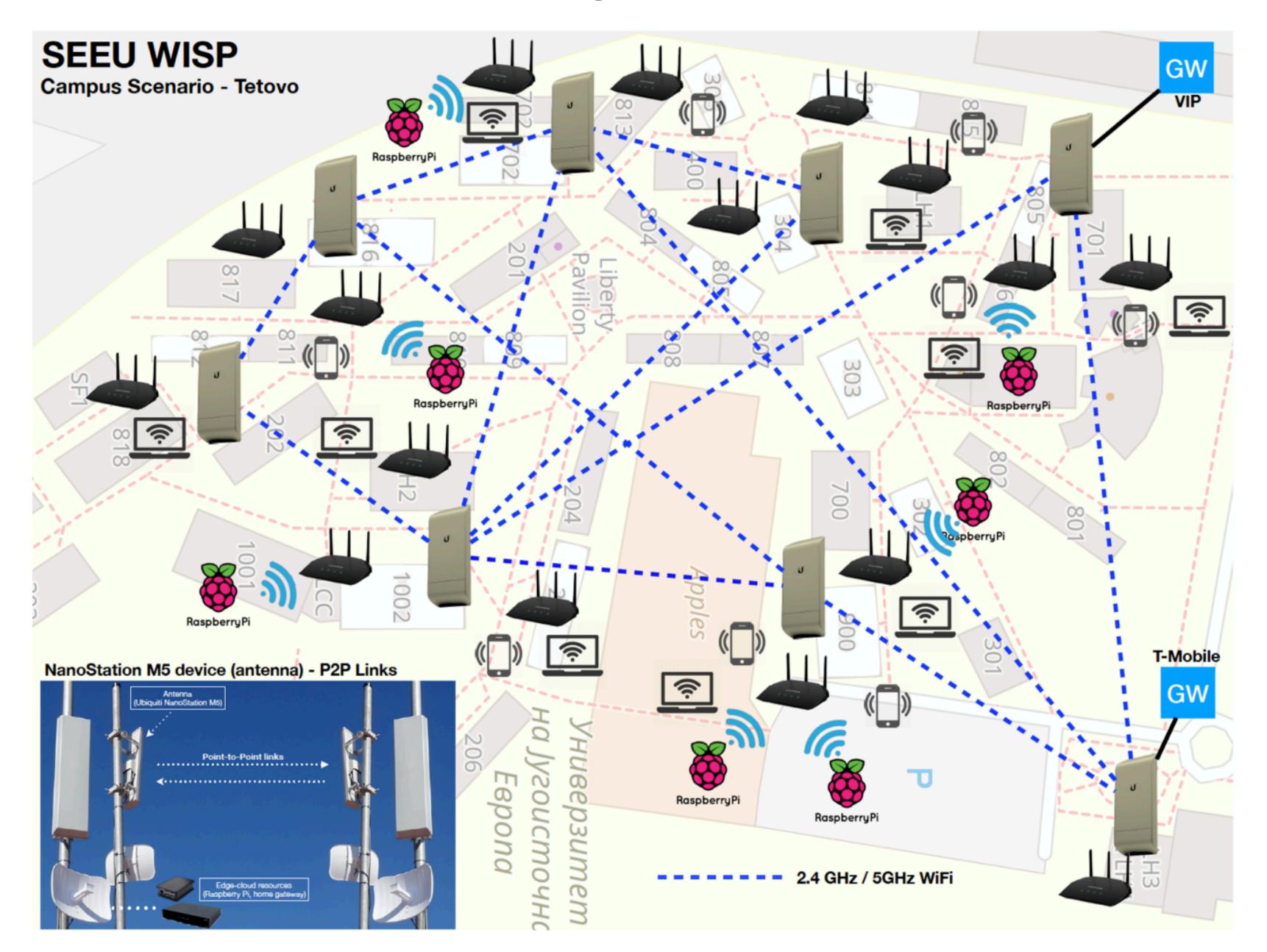


GHG emissions as of 2009: 5,085 tCO2e per year GHG emissions forecast in 2020: 3,420 tCO2e per year Emission Reduction: 35%

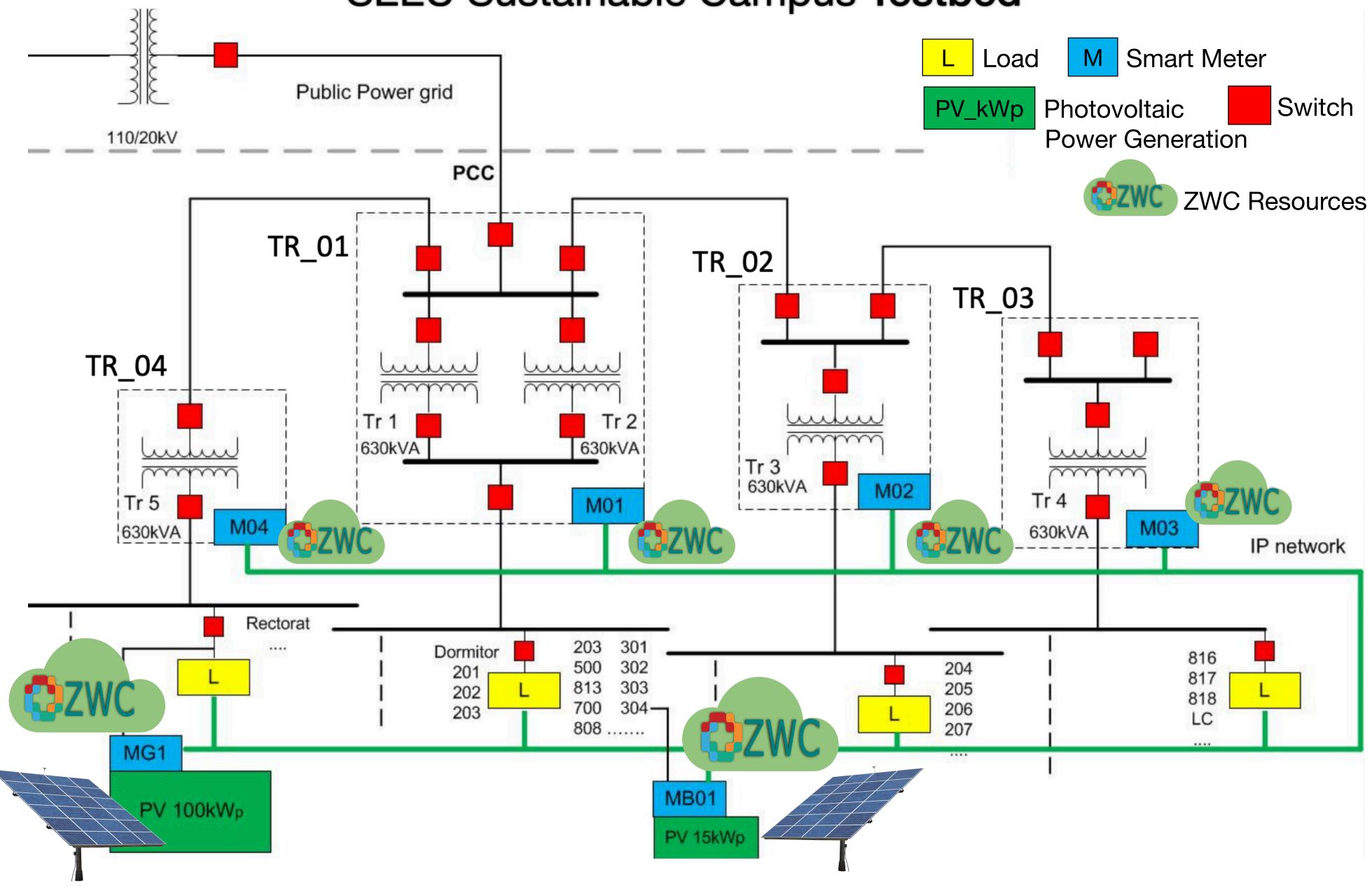
Cumulative Estimated Implementation Cost: 5 M€

Sustainable Internet Connectivity

Green Energy SEEU WISP



SEEU Sustainable Campus Testbed



Thank you!

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