

SELECTED CEEE PROJECTS



EU-FP7 / NEED4B: “New Energy Efficient Demonstration for Buildings”
February 2012 - February 2018
(OzU part 1.287.589 €)
www.need4b.eu



EU-FP7 / BRICKER: “Total Renovation Strategies for Energy Reduction in Public Building Stock”
October 2013 - March 2018
(OzU part 443.680 €)
www.bricker-project.com



EU-H2020: EE-11-2014 / TRIBE: “Training Behaviours towards Energy efficiency: Play it!”
February 2015 - February 2018
(OzU part 217.500 €)
www.tribe-h2020.eu



EU & CFCU Co-funded / TR2013/0327.05.01-02 “Capacity Development For Future Buildings”
September 2017 - May 2018
(OzU part 50.000 €)



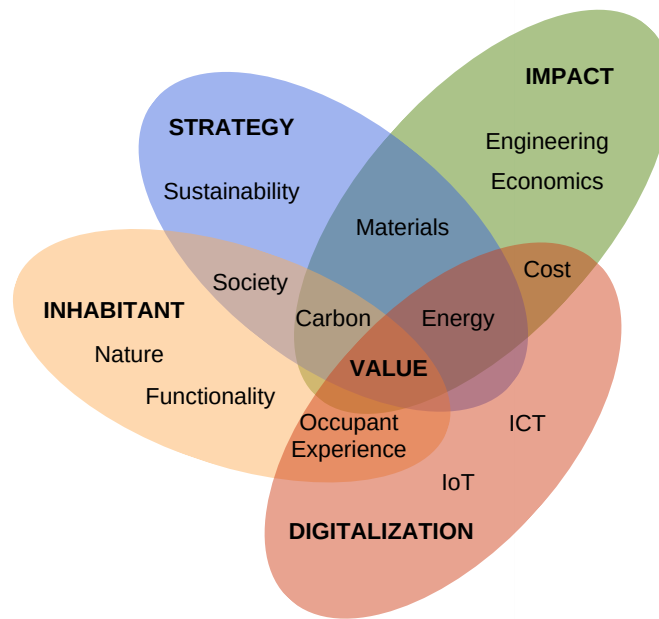
IsDB/Transformers Fund: NEXT- GEN: Next Generation
July 2019 - November 2020
(OzU part: 143.457 \$)



Lahore Times Square (LTS): REEM Heights
May 2022 - September 2024
(OzU part 191.000 \$)

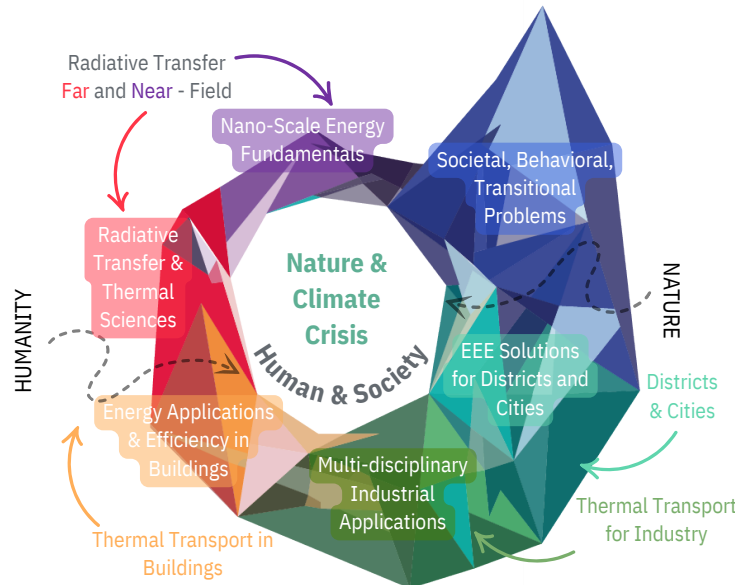


Horizon Europe: LEGOFIT “Adaptable technological solutions based on early design actions for the construction and renovation of Energy Positive Homes”
April 2023 - 2027
(OzU part 700.922 €)
<https://www.legofit.eu/>



Research Infrastructure:

- Campus-wide energy automation system
- Expanded energy monitoring system for 17 zones in an academic building
- Maker lab
- IoT Workshop
- Work stations for data analyses
- External GPUs for faster machine learning
- High-performance computers



CEEE / ECEM

CENTER for ENERGY ENVIRONMENT and ECONOMY

Radiative Transfer
Advanced Thermal Systems
Building Energy Efficiency
Human-Building Interactions
Cyber-Physical-Social Systems
Smart and Adaptive Building Systems
Thermal & Visual Comfort
Building Physics

ÖZYEĞİN
UNIVERSITY

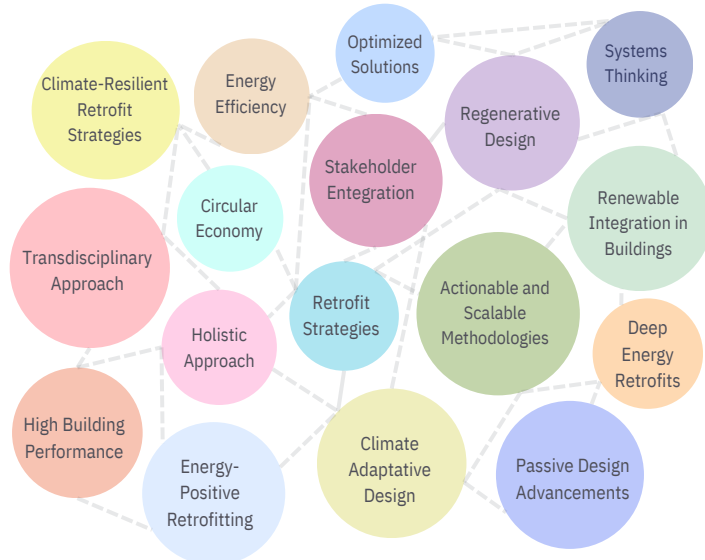


CEEE RESEARCH FOR HIGH PERFORMANCE BUILDINGS

Center for Energy, Environment and Economy (CEEE) was founded as a research and development centre in 2009 at Ozyegin University in Istanbul, Türkiye.

The Center works on science-based, innovative and transdisciplinary research, and strategy projects on sustainability. CEEE tackles the climate crisis and resource scarcity problems with a holistic system design approach.

In order to achieve high performance, resilient and climate resistant built environment, CEEE aims to create and enhance value by multi-, inter- and transdisciplinary research and focus on creating sustainability strategy and planning, conducting building impact assessment, and developing occupant experience design and digital services design.



Beside energy efficiency, these research activities aim to leverage demand flexibility both with technical and social factors in order to maximise response potential of demand side management.

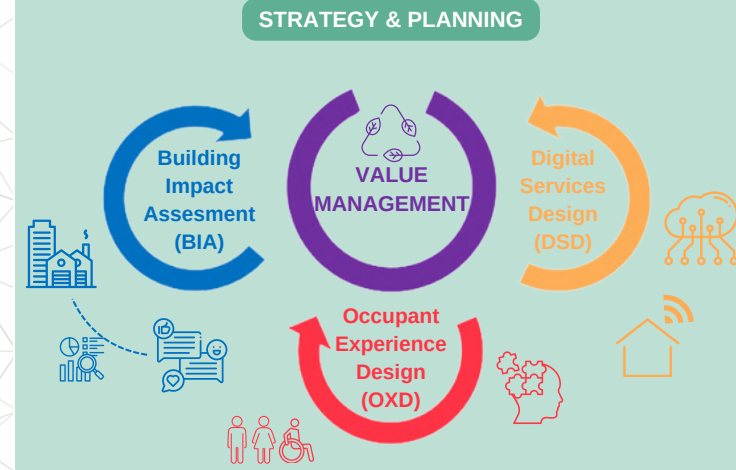
Sustainability Strategy (SS) aims to identify project requirements, stakeholder relations, risks, opportunities, and methodologies to evaluate and develop a unique strategy document and implementation framework for a development project.

Building Impact Assessment (BIA) is to investigate and evaluate physical, economic, and social impact of proposed sustainability interventions of a project with both qualitative and quantitative methods.

Occupant Experience Design (OXD) aims to enhance the daily life of the building occupants through the design process. This is achieved by aligning different disciplines with collaborative approach for augmenting responsible behaviours regarding sustainability.

Digital Services Design (DSD) is for identifying most appropriate digital infrastructure and solution alternatives from technological, economical and governance perspectives.

Value Management (VM) aims to enhance the value proposition of a project to cover social, economic, and environmental aspects of sustainability and identify methodologies to realize it.



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CEEE Book:



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