D2EPC

DYNAMIC DIGITAL ENERGY PERFORMANCE CERTIFICATES

The H2020 project D^2EPC

aspires to set the grounds for the next generation dynamic Energy Performance Certificates (EPCs). The aim is to trigger energy-efficient behavioral change and stimulate smart buildings. The D^2EPC digital platform will enable the issuance of next generation EPCs on a regular basis and will be armored with additional services.

D^2EPC objectives

- Introduction and establishment of the concept of the dynamic EPC
- Definition of the drawbacks and discrepancies of the current EPC scheme
- A novel set of environmental, financial, human comfort and technical aspects indicators
- Integration of actual operational data from buildings into the EPCs
- Integration of smart readiness rationale into the building's EPC
- Implementation of intelligent operational digital platform for EPCs

D^2EPC impact

- Recalculation of the operational EPC
- Enriched BIM and building digital twin
- LCA, LCC indicators, real-time performance data
- Building smart readiness & human comfort
- GIS environment visualization
- Novel financial schemes – "polluter pays" concept
- Added value services suite for improved energy performance
- Extended dynamic EPCs applications

Partners

- Centre for Research and Technology Hellas, Information Technologies Institute, Greece
- Kaunas University of Technology, Lithuania
- Geosystems Hellas A.E., Greece
- Cleopa Gmbh, Germany
- SEnerCon Gmbh, Germany
- Asociacion Espanola de Normalizacion, Spai
- DEMO Consultants BV, Netherlands
- SGS Tecnos SA, Spain
- HYPERTECH Energy Labs, Greece
- Austrian Standards International, Austria
- Frederick Research Center, Cyprus
- Austrian Energy Agency, Austria

\+ IsZEB - Intelligent Solutions For Zero And Positive Energy Buildings, Greece, *as linked 3rd party*

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Project Coordinator
Dr. Dimosthenis Ioannidis
Centre for Research and Technology Hellas, Information Technologies Institute (CERTH)
Contact: djoannid@iti.gr