

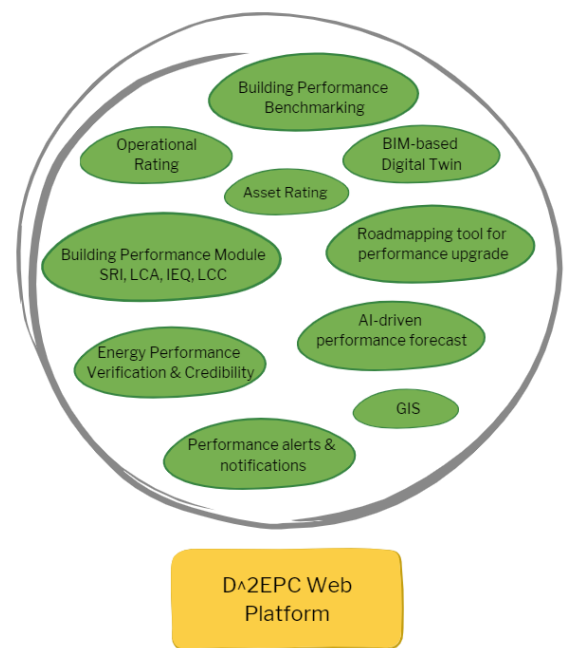


4th PRESS RELEASE

The D^2EPC project has come to an end. After 36 months of hard work and dedication, the Horizon 2020 project presents its final results

Thanks to the efforts of the 13 members of the consortium, the concept of the Next Generation Dynamic Energy Performance Certificates (EPCs) for buildings has been introduced and established in order to empower the regular energy classification of buildings and allow for an EU-wide deployment.

We have been able to improve the multi-parametric assessments by including an enhanced set of indicators (Smart Readiness Indicators, Life Cycle Assessment, Indoor Environmental Quality, and Financial indicators) to facilitate the understanding of buildings' energy performance. BIM-based Digital Twins have been introduced along with a state-of-the-art IoT ecosystem for near real-time building monitoring to assess buildings' asset and operational energy consumption. On top of the EPC assessment based on asset or operational rating, additional services concern the verification of credibility and quality of the assessment process, provision of recommendations and user-centred suggestions towards energy performance upgrade, forecasting of building operating conditions and notifications and alerts in case of inefficient operation to avoid the risk of performance downgrade. Alongside this, geolocation and 'polluter pays' practices have been integrated into the EPC rationale in order to turn EPC registries into policy-feeding mechanisms. Overall, the D^2EPC Web Platform has been delivered as a holistic digital solution, that not only can issue the next generation EPCs, but also extends EPCs applications and usability, promoting energy efficiency, user comfort, and energy savings awareness.



Beyond all these technical advancements, the project has obtained great recognition by its nomination as a candidate for the ["Standardisation+Innovation Awards 2023" of CEN/CENELEC](#), the European standardisation body. CYS (Cyprus) has nominated this project, in which two national standardisation bodies have participated: UNE (Spain) and ASI (Austria). For this purpose, the project has participated in CEN/TC 371, dealing with the energy performance of buildings, and proposed and achieved the

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creation of CEN/TC 371/WG 5 for operational EPCs, with Paris A. Fokaides as convenor and UNE as Secretariat. This is a significant achievement for the project and a testament to the hard work and innovation it represents.

The final conference of the project took place on the 24th of May in Brussels, together with E-DYCE and ePANACEA Projects, where each project presented its own findings on how to optimize and extend the use of Energy Performance Certificates.



Following this, the consortium had its last encounter at the final plenary meeting on 12-13 July in Delft, hosted by colleagues from DEMO Consultants. The consortium had the opportunity to meet again to discuss the final steps towards the successful completion of the project.



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It has been a pleasure to work in a group of so many competent partners where collaboration did not bring just good results but also good friendships that were formed through the thick and thin of the project.

After this positive experience together, the consortium will keep in touch to discuss future developments and improvements of EPCs, and we are sure that we will meet again in future projects to do so. Until then, everything that has been achieved can be consulted and found on our website: <https://www.d2epc.eu/en> and on our social networks.

It has been a real pleasure to work on this exciting and challenging project.

See you soon!

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