

pv magazine

REZBUILD project: an innovative refurbishment ecosystem for Near Zero Energy Building in Europe

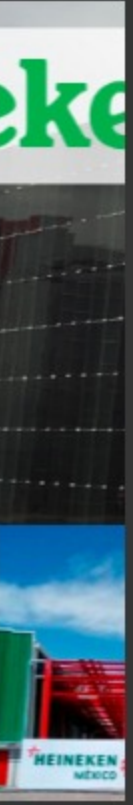
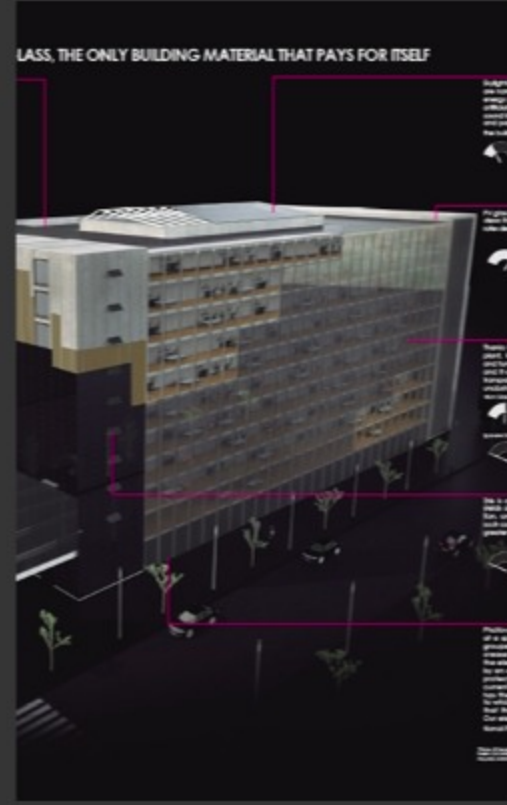
This new initiative will develop a refurbishment methodology through a common decision-making platform that will interconnect key steps and stakeholders of the retrofitting plan.

REZBUILD project (Refurbishment decision-making platform through advanced technologies for near Zero Energy Building Renovation) is a new European initiative funded by the Horizon2020 Programme of the European Commission that grows with the main aim of defining an innovative and collaborative refurbishment ecosystem for transforming old assets into Near Zero Energy Building (NZEBS).

The construction market has entered a phase of recovery after the global financial crisis and it is time to face new challenges, encouraging a high-technology sector, which turns Energy Efficiency into a sustainable business. This is one of the strategies that the European Union follows to improve the energy efficiency, boosting their competitiveness and facing social challenges.

The construction sector is the highest energy consumer (about 40 %) and its contribution to GHG emissions (about 35 %) in Europe. At this stage, lacking refurbishment of existing residential buildings (historic buildings included) is top priority and decarbonisation is the main goal aligned with the European energy and climate change policies.

In this context a number of challenges have been set for NZEB renovation taking into account all stakeholders involved through five pillars: technical, economic, social, environmental and legal. Nowadays, NZEB renovation methodology



ONYX SOLAR'S PV GLASS FOR THE REFURBISHMENT OF NEAR ZERO ENERGY BUILDINGS



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REZBUILD

Onyx Solar takes part in the European project REZBUILD (Refurbishment decision making platform through advanced technologies for near Zero Energy Building Renovation), which main goal is to develop one refurbishment ecosystem based on the integration of cost-effective technologies, business models and life cycle interaction for deep NZEB renovation to diverse residential renovation typologies and interconnecting both, building renovation stages and stakeholders.

This innovation will establish a multi-collaborative framework within a refurbishment methodology managed by an Agile Project Management tool capable to interconnect in real-time the key steps of a tailored retrofitting plan among all stakeholders involved within the building renovation value chain. You can read more about the project [here](#).

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