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## Introducing Drive0: circular economy at the architectural scale

DRIVE 0 is a EU-funded project, which aims to contribute to the decarbonization of the European building stock by developing a circular building renovation process. The project team aims at making deep building renovation more attractive for consumers and investors, environmentally friendly and cost effective.

Pollution and waste are caused also by how we design buildings, not simply by dismantling them, so how to inverse this old-fashioned process? This is the first step to transform the construction linear chain into a circular one, by keeping in mind all the life cycle of a building from the first design idea.

Another aspect is going one step further than just recycling and reusing locally available resources from existing buildings: the project aims to reach a level beyond the simple reprocess of materials by introducing biobased ones. These new materials will completely revolutionise the “assembly” line.

The project will also develop proven deep renovation products further into circular renovation products with an emphasis on plug & play prefabricated solutions for building envelope elements, easy to install and to replicate.

A ‘EU Circular Renovation Atlas’ is another gadget the team is working on. It will look into the design process of deep building renovation solutions in order to take into account locally bio-based materials in different processes such as re-use, re-process and recycle. The project will also develop consumer centred business models based on circular building renovation concepts supported by digitalisation and gamification tools.

The result will provide an attractive and understandable information of real total life-cycle performances for consumers and potential investors. The solutions produced will be fully automated BIM controlled production processes and they will be tested and validated in seven demonstration cases in Estonia, Greece, Ireland, Italy, Netherlands, Slovenia, Spain.

The project kicked-off with the Symposium on Circular Renovation at Brightlands Chemelot Campus (NL) on 24 October 2019. Follow our progress and sub-scribe to our bi-annual newsletter.



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# DRIVE

## **More information:**

Website > <http://www.drive0.eu/>

Facebook > <https://www.facebook.com/H2020Drive0>

Twitter > [https://twitter.com/Drive0\\_H2020](https://twitter.com/Drive0_H2020)

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