



renow



INNOVATING TO RENOVATE WALLOON BUILDINGS

Wallonia is full of innovative ideas to accelerate the energy renovation of buildings. But... With their nose in the handlebars, everyone in their own corner, it is not easy to go from design to concrete implementation. This is where the Strategic Innovation Initiative (SII) Renow comes in: by bringing together skills and connecting stakeholders, it stimulates innovation in the field of building renovation and eco-construction.



Why an initiative on the renovation of buildings?

Europe's ambition through its Green Deal is to decarbonise buildings by 2050. Time is running out! Face To this challenge, it is more than necessary to speed up the process while ensuring that it is accessible to all. The solution will be through innovation.

However, on the ground, construction players must have the opportunity to develop new products, new techniques, adopt alternative financing methods or innovate in their processes. In short, anything that can be improved or developed to generate and support a greater amount of renovations in the decades to come.

This is what the IIS Renow is working on: to federate Walloon expertise in a complete ecosystem where companies will be able to talk to researchers and build new products and solutions together.



Renow in concrete terms

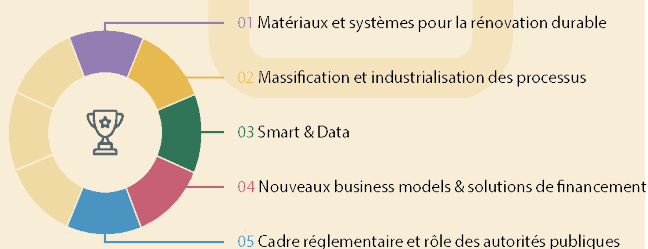
The IIS Renow is first and foremost the point of contact and dispatch to all the players in the Walloon ecosystem. It is there to help bring ideas to life by putting manufacturers in contact with the world of research.

Combining **technology monitoring** and **vision on calls for projects**, particularly at the European level, Renow can aggregate information and make it available to its partners so that they can more easily join innovative projects, with its support. The IIS helps to strengthen projects, connect potential partners, support the drafting of response files to calls for projects, etc.

The ambition is to deploy **new solutions**

technological but also **non-technological** because marketing and organization will also be key elements for the massification of renovation.

Work has begun on the first 5 priority themes:





SOME FLAGSHIP PROJECTS

- > **APARE:** support for self-renovation by for individuals.
- > **RenoMut:** a financial renovation mutual for new funding for vulnerable groups in particular.
- > **IREWAL (*Industrialisation of the RENovation of public housing in WALLONIE*):** prefabrication of walls for external insulation of existing buildings up to a zero energy level with guaranteed performance for 20 or 30 years.
- > **Materials for renovation in Europe:** ensuring availability of materials in view of the 2050 target at European level.
- > **District Cleantech in Charleroi:** platform dedicated to renovation which includes the creation of a "Renolab": a tool for the development, testing and deployment of new industrial prefabrication solutions for renovation.

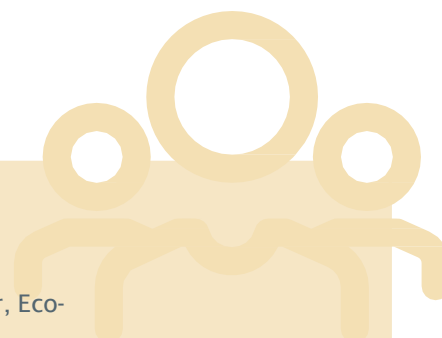


THE MAIN PLAYERS OF THE IIS RENOW:

Leader: Buildwise

Pilot partners: Embuild Wallonia, Greenwin, CAP Construction Cluster, Eco-construction Cluster.

Associated partners: AGC, Knauf, BuildUp Off Site, Climact, Federia, Financité, Febelfin and many others... See next pages for complete list of the actors !



Learn more

[i linkedin.com/company/renow-wallonia](https://www.linkedin.com/company/renow-wallonia)

www.renow.be

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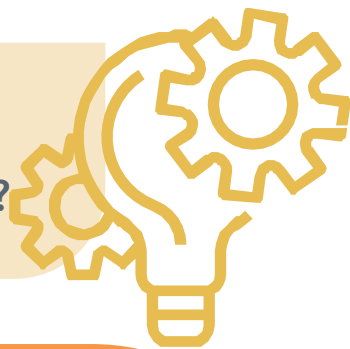
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ACTION PLAN 2025 : What are we focusing on?



1. A Massified Renovation of Buildings

Massification means increasing demand and supply for renovation—particularly energy-efficient renovation—and adapting existing buildings to the effects of climate change in a planned and progressive manner.

This represents a growth opportunity for companies in the sector, enabling them to access an expanding market, diversify their activities, and innovate to meet the necessary scaling-up expectations.

This approach serves as a catalyst for business development and public-private partnerships.

We will focus on the deployment and structuring of renovation one-stop shops and the EnergieSprong approach in Belgium, with a particular emphasis on Wallonia. This initiative aims to streamline the renovation process, facilitate access to integrated services, and accelerate the large-scale adoption of energy-efficient building upgrades.

2. Industrialization of the Value Chain

The industrialization of a process, sector, or economy is a transformative process. When applied to the construction and renovation value chain, it aims for a leap in productivity, efficiency in material and energy use, quality of implemented processes and completed work, and adherence to timelines (time to market).

We can distinguish two complementary approaches:

- **Industrialization of products**, which encompasses two key concepts:
 - Off-site prefabrication (transferring construction activities off-site by pre-manufacturing structural elements or modules)
 - Mass customization (customizing standardized elements or modules produced in series)
- **Industrialization of construction value chain processes**, involving the implementation of new business models and standardized interactions between industry players, generating significant efficiency and productivity gains for all stakeholders

3. New business models for mass renovation

The transformation of the construction sector requires a fundamental reassessment of traditional business models. In response to challenges related to sustainability, digitalization, and cost optimization, companies must shift toward more flexible, service-oriented models.

The rise of the *as-a-service model*, which combines technological solutions with a customer-centric approach, enables the integration of tailored and more profitable offerings, particularly in building management and energy efficiency. In the field of energy renovation, these new models pave the way for innovative approaches such as *renovation-as-a-service*, where property owners benefit from renovations financed through energy savings. *Supported self-renovation* is another promising approach, allowing homeowners to actively participate in their renovation while receiving professional guidance, technical expertise, and access to financing solutions.





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LIST OF THE ACTORS OF THIS INITIATIVE

Name	Website	Main category
AGC Glass Europe	http://www.agc-glass.eu/	Private
Airplan	https://airplan.be/	Private
AKT - CCI Hainaut	https://www.ccih.be/	Economy/ territory
Altiplan		Private
Atelier 21	https://www.a-21.be/	Private
Atelier de l'Avenir	http://www.atelier-de-lavenir.be/	Private
BizzDev	http://www.bizzdev.com/	Private
Buildup	https://www.buildupoffsite.com/fr	Private
Buildwise	https://www.buildwise.be/ , https://digitalconstruction.be/fr/	Research
BEP	http://www.bep.be/	Economy/ territory
Canopea	https://www.canopea.be/	Economy/ territory
Cap Construction	https://clusters.wallonie.be/cap-construction/fr	Economy/ territory
Centre de recherche en aéronautique	https://www.cenaero.be/	Research
CETIC	https://www.cetic.be/	Research
Climact	http://www.climact.com/	Private
Cluster Eco-Construction	http://www.ecoconstruction.be/	Economy/ territory
Cooperlink	https://www.cooperlink.io/	Private
Ecores	https://www.ecores.eu/	Private
Embuild Wallonie	https://wallonie.embuild.be/	Economy/ territory
Faculté d'Architecture - ULiège	https://www.archi.uliege.be/	Education
Febelfin	https://www.febelfin.be/fr	Economy/ territory
Financité	https://www.financite.be/	Private
GIM Wallonie	https://www.gim.be/	Private
GreenWin	http://www.greenwin.be/	Economy/ territory
Groupe Terre	https://www.groupeterre.org/	Private
Home Eos	https://www.home-eos.eu/	Private
UCLouvain - LAB	https://uclouvain.be/en/research-institutes/lab/about.html	Research
IFAPME	http://www.ifapme.be/	Education
IsoFabric	https://isofabric.odoo.com/	Private
Klinkenberg	https://klinkenberg.be/	Private
Knauf	http://knauf.be/	Private
FEDERIA	https://www.federia.immo/fr/accueil	Economy/ territory
LARCO	https://www.larco.pro/	Private
Multitel	https://www.multitel.be/	Research
Objectif Zéro	https://www.objectifzero.be/	Private
OuiTransform	https://www.ouitransform.com/	Private
Pôle MecaTech	https://www.polemecatech.be/	Economy/ territory

Remind Wallonia	https://www.remind-wallonia.be/fr/	Private
RenoWatt	https://renowatt.be/	Private
Réseau Liaison Entreprises-Universités	http://www.reseaulieu.be/	Research
Roosens Betons	https://roosens.com/	Private
Société Wallonne du Crédit Social	https://www.swcs.be/	Economy/ territory
Société wallonne du logement	https://www.swl.be/	Economy/ territory
SPW Secrétariat général	https://www.wallonie.be/	Economy/ territory
Stûv	http://www.stuv.com/fr	Private
Thomas et Piron Batiment	https://www.thomas-piron.eu/	Private
Union Wallonne des Architectes	http://www.uwa.be/	Economy/ territory
Université de Mons	https://web.umons.ac.be/fr/	Education