



**RECONSTRUCTING
CONSTRUCTION
FOR GOOD**

Press file

Under embargo till 17th November 2021, 8 pm

Representative projects

Wingergreens

(Tielt-Winge, Belgium)

Wingergreens is a Totalfit project from BuildUp that comprises a project development of 6 semi-detached buildings. The client came to BuildUp in search of a partner for the entire project, from design to construction. At BuildUp, the building plans were translated into a digital design and prepared to be produced completely offsite. For the project developer and the architect, the advantage was that they could give all attention to the creative design of the housing units, whereby the time on the site could be reduced to 1 day per house.

Energy neutrality is central to the project. Each home is equipped with solar panels and a heat pump. In addition, providing a technical prefab module from Lito Box ensures that the installation of these technologies is also reduced to 1 day.

The use of certified sustainable materials is guaranteed, including stones from Nelissen and glass parts from Reynaerts aluminum.

By relying on BuildUp, the project developer could be confident not to be confronted with unpleasant surprises regarding timings and budgets during the project.





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BuildUp Structures project Hubertusplein

(Schaffen, Belgium)

On the Hubertusplein in Schaffen, a sub-municipality of the Flemish Brabant Diest, BuildUp Structures was responsible for the construction of apartments anchored on an existing old bank building and two enclosed housing structures.

Initially, the design was based on a traditional building style in common bricks. However, the project developer was confronted with the reality of the town center of Schaffen, which offers very little room for manoeuvre, and a number of very complex elements in the design. Therefore, an alternative building structure was wanted that could be built very quickly and that eliminated the challenges in the design. The project developer soon found a partner in BuildUp. The entire process was carried out by BuildUp: the switch from the initial traditional construction plan to steel frame construction, the new design, adjusting the dimensions, engineering, frame, production and the supervision of the installation by the contractor. Customization to the millimeter made it possible to graft a steel frame structure onto the existing building and thus to optimize the use of the available space.





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Energetic renovation of 160 homes

(Wattrelos, France)

In Wattrelos in the north of France, BuildUp is working on an energetic renovation of 160 homes built in 1950, falling within the standards defined by Energiesprong in the pursuit of CO2-neutral housing. The project includes the insulation and airtightness of facades and roofs, replacement of exterior joinery and renovation of kitchens and bathrooms. The facades and roof cladding are manufactured offsite and delivered on site with insulation, waterproofing membrane, PVC joinery, etc., and are attached to the existing facades of the houses by a certified integrator.

The project in Wattrelos is the third project in France that is part of the Energiesprong renovations. The basic conditions for this are:

- Energy-neutral renovations with a 30-year guarantee
- Activities that are limited to 1 to 2 weeks per home
- The possibility to carry out the renovation in an inhabited location
- A strong reduction in costs due to the size of the project





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BuildUp keeps its sustainability promise here as well. The steel used for the construction is 100% recyclable. The use of LEAN manufacturing has helped to minimize waste in the factory. The 30-year performance guarantee provides certainty that the materials used will be effective in the long term. This contributes to efficient use of resources.

The list of benefits of this type of project is rather long. The most basic advantages are:

- Limited time on site and therefore less nuisance to neighbors due to dust, noise, downtime, truck traffic
- Better production quality thanks to the industrialized process
- The use of BIM and a digital mock-up makes it possible to estimate and order exactly the necessary materials, thus avoiding wastage of materials
- Industrialized construction allows the work to be carried out in a controlled environment, protected from the weather, so that the insulation and other materials are correctly installed.

Completion of the final project is scheduled for February 2022.

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