

B-architecten

Centr'Al, Vorst

architect
website
name of the project
location
program

B-architecten
www.b-architecten.be
Centr'Al
Vorst, Brussels, Belgium
cultural and sports
complex with

client
completed
surface
budget
address

neighbourhood amenities
Commune de Forest
25/11/2020
1.470,73 m²
€ 3.643.125,07
Avenue Besme 129-131 &
Avenue Albert 1,
1190 Vorst, Belgium

landschape architect
engineer stability
technical engineer
sustainability
acoustics
main contractor

OMGEVING
UTIL structuurstudies
Boydens Engineering
Boydens Engineering
Bureau De Fonseca
InAdvance

Two buildings with amenities for the neighbourhood play the central part in the development of the Albertpool in Vorst.

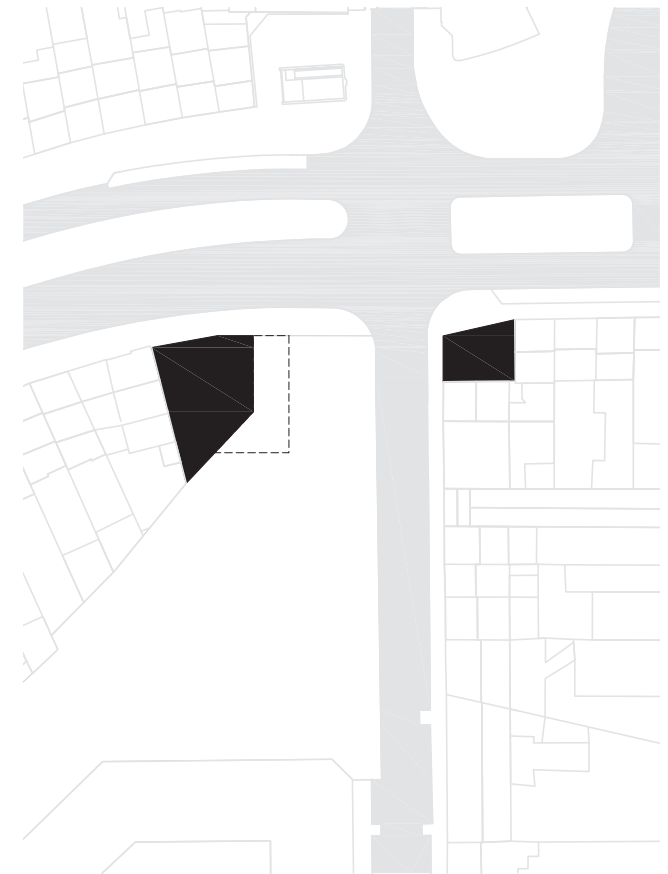
These two buildings are the gateway to this district, on a site left voided by the major construction works of the Brussels metro. The new Albertpool is an excellent opportunity to put this vibrant part of the city on the map in exemplary fashion.

Big public areas, such as the auditorium and the sports halls are located on the buildings' corners. The transparent and translucent façades on the intersection liven up the buildings' functions. The functional units are stacked as compactly as possible. Beneath the covered outdoor spaces is the entrance to the buildings.

The local restaurant on the ground floor has a view of the new square and is connected with the foyer inside, which spreads over the different floors of the building, creating a perfect meeting place for the users of the complex. The roof terrace can be used for different activities, such as an outdoor cinema.

The position of the plots situated directly above the metro does not favour construction, limiting the footprint greatly. To maximise the user surface, both buildings are made of a metal cantilevered structure attached to a concrete support anchored with piles, a structural challenge both in design and execution.

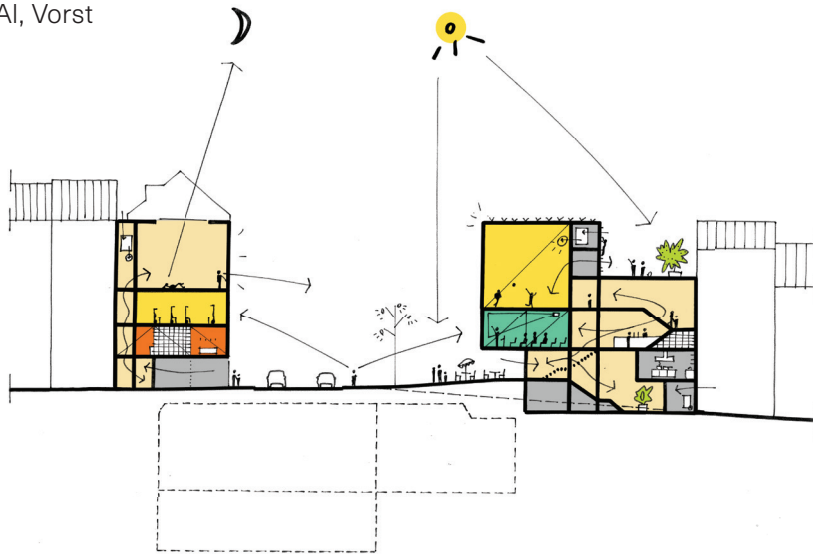
The buildings meet the "very low energy" standard, thanks to airtight highly insulated facades, together with an overall reduced energy consumption made possible primarily by an extract air heat recovery ventilation system and solar panels.



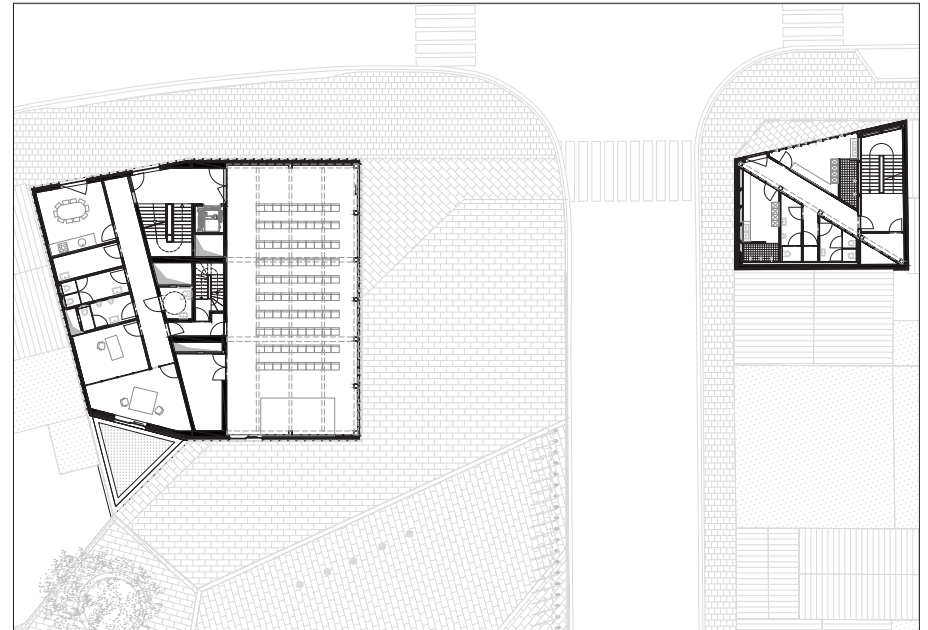
↑ N
Implantation plan

B-architecten

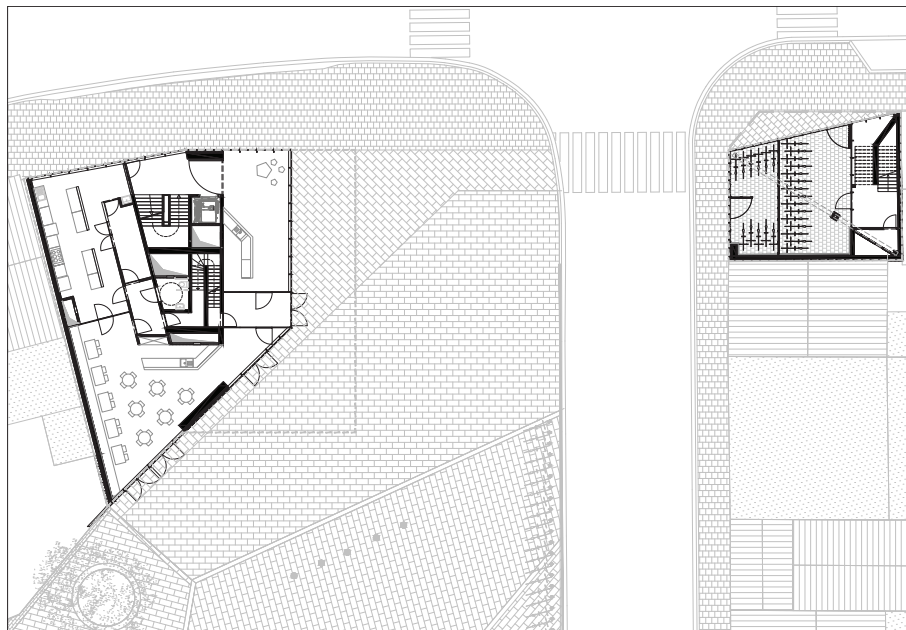
Centr'Al, Vorst



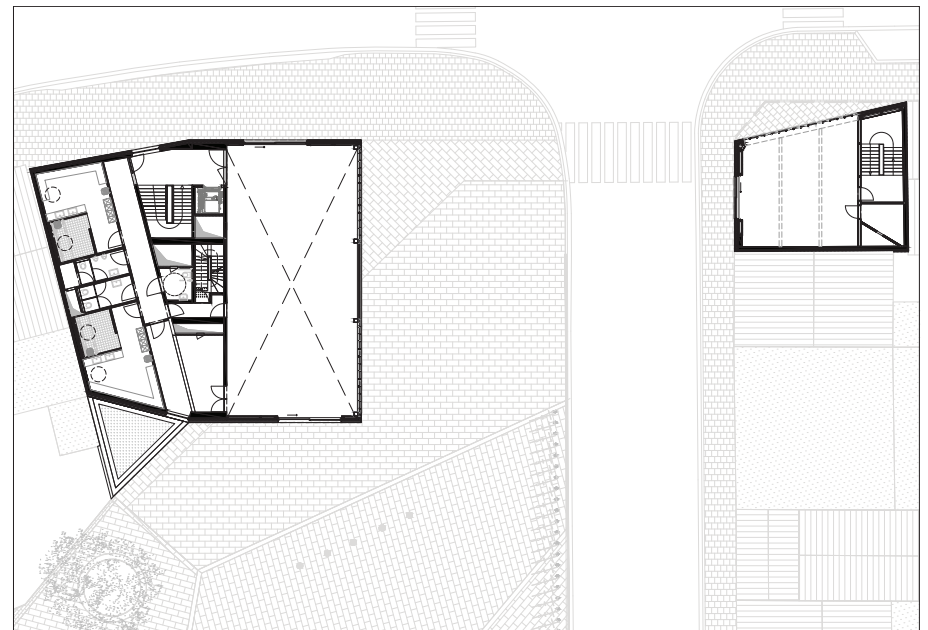
Concept sketch © B-architecten



Plan +1

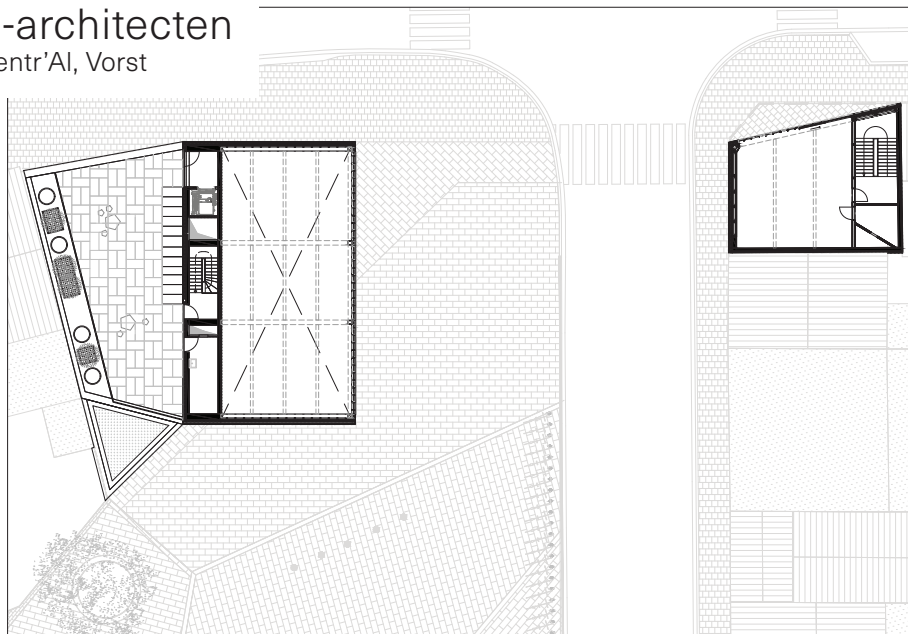


Plan 0

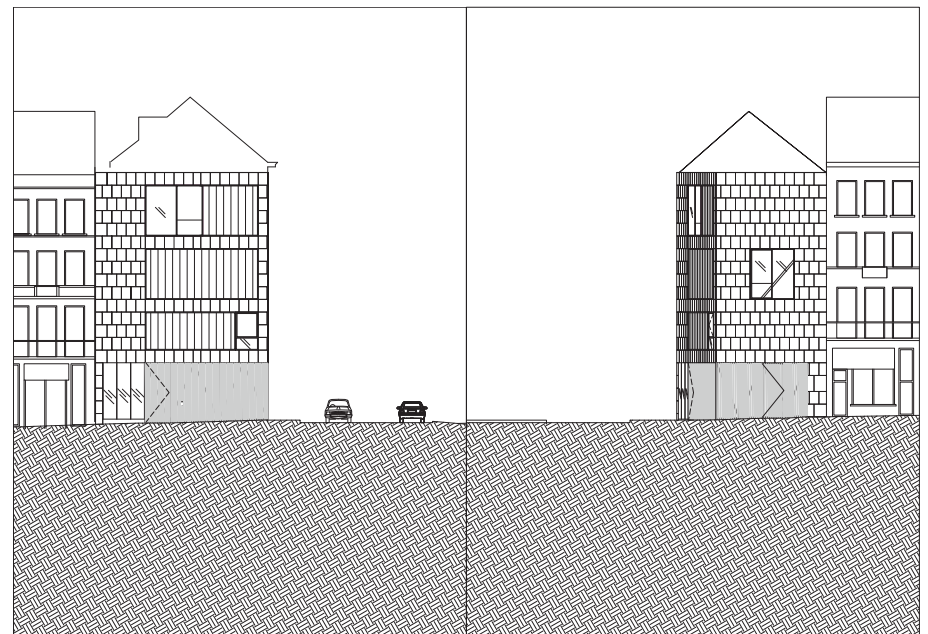


Plan +2

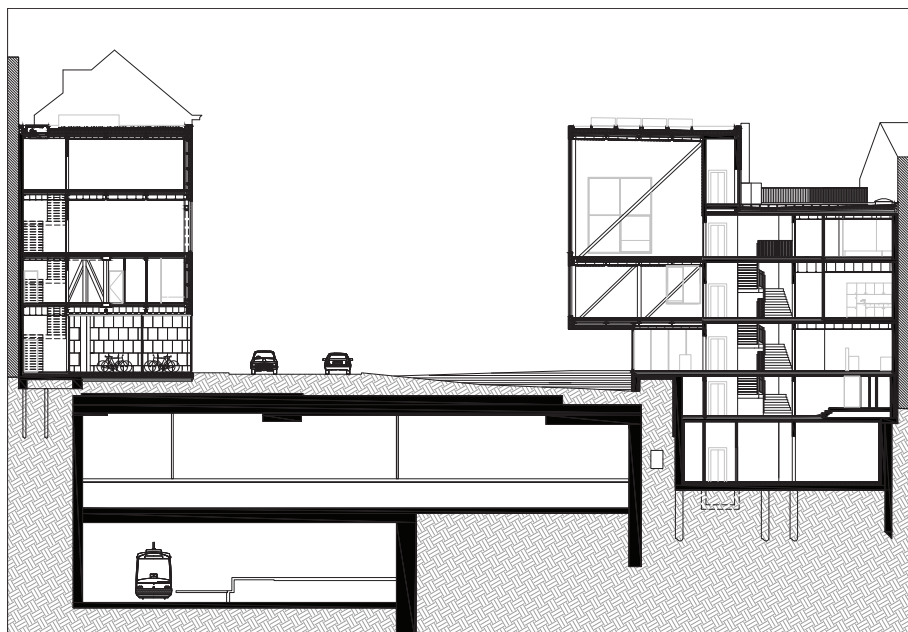
B-architecten
Centr'Al, Vorst



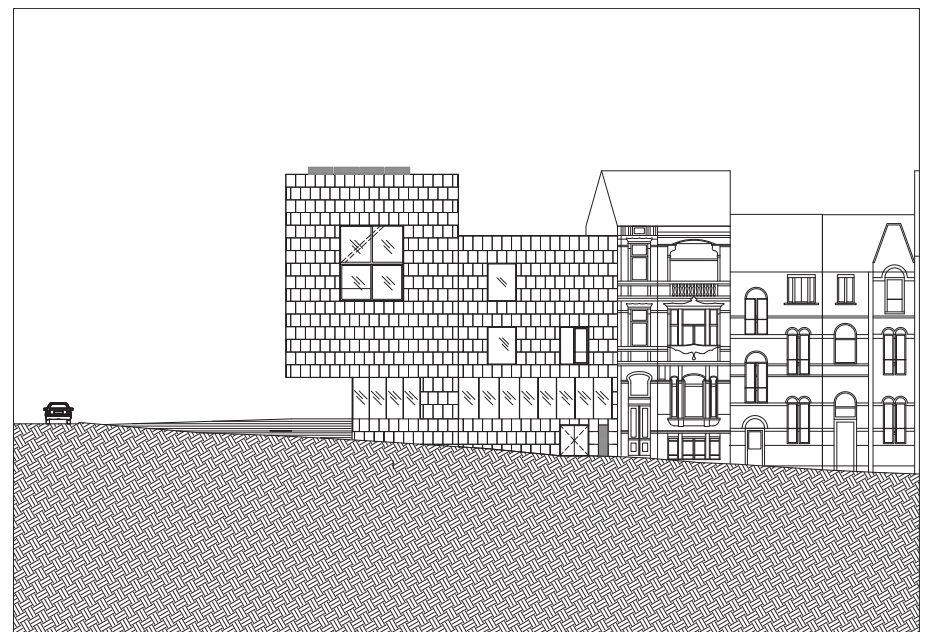
Plan +3



Section North-West



Section AA



Section North