

# Rescue center

## Construction of a Rescue Center and functional housing for the Paris Fire Brigade and their families.

### CLIENT

Seine-Saint-Denis Police Prefecture

### TEAM

Plan2 (Lead Architect)  
Patriarche (Architecture)  
Partners :  
Elcimai, Terrell, Gamba, Terrell, Vision-  
Architecturesport  
Credits :  
3D Perspectives : Plan2

### KEYPOINTS

Wooden floor.  
Housing in wooden/straw modules.  
Green roof.

### SUSTAINABILITY

Compliance with the NF Habitat HQE label -  
Excellent Sustainable Passport (Housing).  
Certification HQE BD 2016 (Rescue Center).  
Connection to the district heating network.  
Energy recovery from greywater.  
Rainwater harvesting and reuse.  
Photovoltaic production.

The functional program includes two entities with distinct roles: the rescue center and the associated housing. Our project proposes a unique, homogeneous, and compact building that meets all the constraints of the program and the site.

The new rescue center, located along Avenue Georges Pompidou, is distinguished by its taller buildings that mark the corners of the plot. This particular configuration provides visual and acoustic protection to the housing in the eco-district to the north, as well as to the homes of the firefighters' families. The training yard, arranged below the slope of the plot, reinforces this protective effect towards the residential areas.

The building rises over two basement levels and six superstructure levels. The northwest part is dedicated to housing, while the southeast part houses the rescue center, equipped with a duty office, sleeping areas, and a dining area with a communal kitchen.

Typology  
**Equipment**

GFA  
**7 000 sqm**

Construction cost  
**19,2 M€**

Location  
**Rueil-Malmaison, France**

Status  
**In progress**

Nature of the contract  
**Design mandate (public sector)**



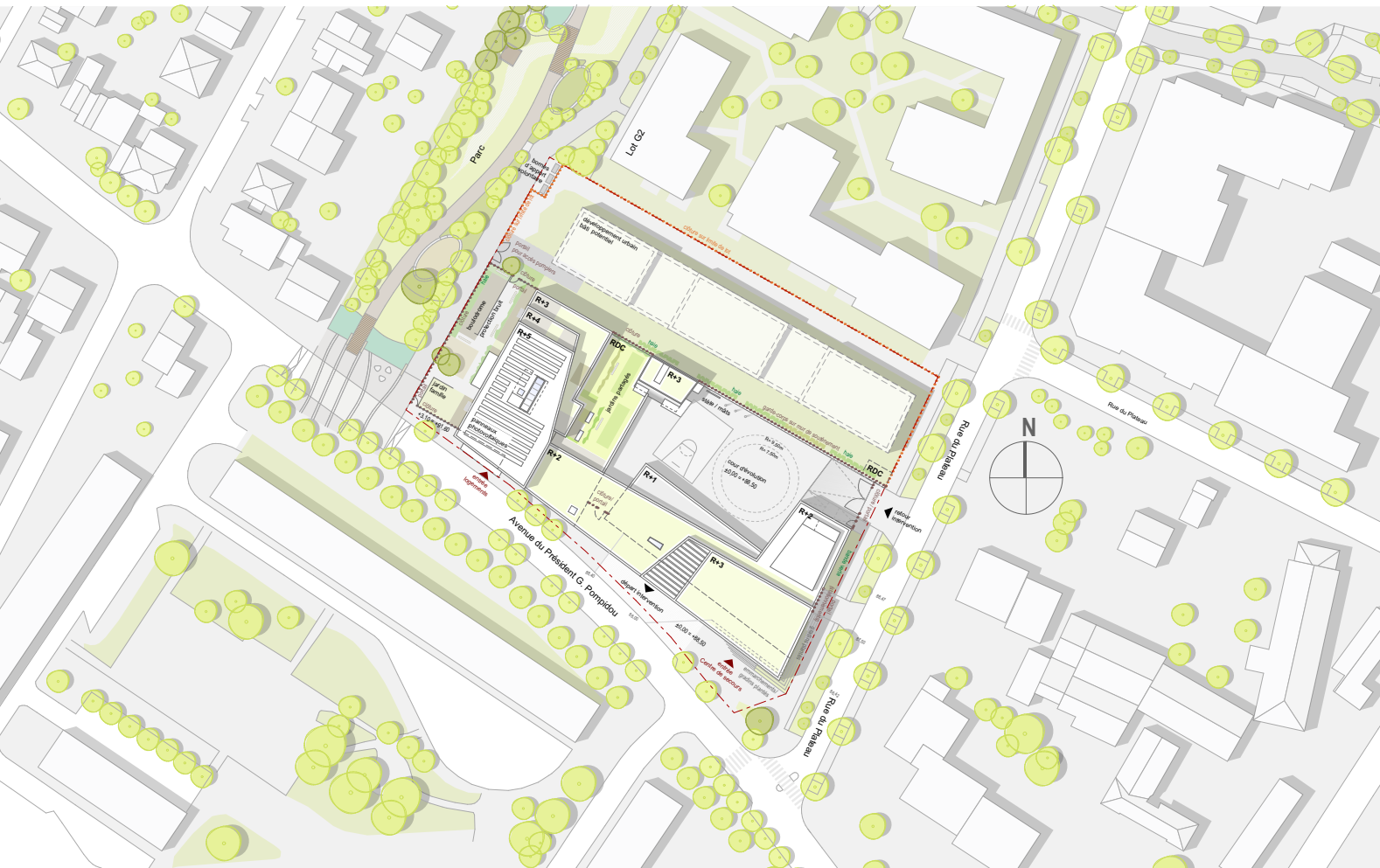


## Environmental intentions

The rescue center is an ambitious project in terms of environmental quality. The housing for the BSPP officers is constructed with a wooden structure (post and beam and CLT floors), with wooden frame facades insulated with bio-sourced straw bales. This project represents a technical challenge requiring a technical experimentation assessment (Atex).

The building complies with the NF Habitat HQE standards for housing and the HQE Sustainable Building standards for the rescue center. The envelope is designed to minimize thermal losses through over-insulation, triple glazing, and individualized air handling units (AHUs) for the housing.

The volumes that make up the entire project flow harmoniously, forming a distinct architectural and environmental unity.



Energy recovery from greywater is also planned. Additionally, the project includes rainwater harvesting to supply the sanitary facilities and clean the rescue vehicles.

The roof of the housing units is equipped with a photovoltaic plant that will produce part of the energy self-consumed by the project.

The project, reflecting a sustainable approach, achieves the C1 carbon level of the E+C- experiment.





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