

GenoLife

Custom-built laboratories at the heart of France's leading biocluster in Évry-Courcouronnes, south of Paris.

CLIENT

Bart | Patriarche (Project owner)

TEAM

Patriarche (Architecture, Interior Architecture, MEP Engineering, EBQ, Cost, BIM, Urban Planning, Landscape)

Partners:

Alpes contrôle

Credits:

3D pictures: ©Patriarche

KEYPOINTS

Laboratories L1, L2, chemistry.

Protective measures for L3 laboratories.

LabReady.

Tertiary areas.

Modularity.

SUSTAINABILITY

Bioclimatic approach.

BREEAM Very Good level.

France's leading biocluster, Genopole is an incubator for projects of excellence dedicated to biotechnology. Located in Évry-Courcouronnes, it offers a unique environment for researchers and entrepreneurs wishing to innovate and advance research. Fully in line with the strategy of the Plan National Innovation Santé 2030, the GenoLife project has been developed in partnership with local players: SEM Genopole, Genopole, Grand Paris Sud and Evry-Courcouronnes town council.

To complement the local ecosystem's real estate offering, Patriarche and Bart | Patriarche have developed a flexible office and laboratory building. The aim of the LabReady plateau is to offer scientific teams tailor-made, functional spaces, designed to adapt to evolving technologies and different ways of working.

Thanks to a co-design approach and a clear understanding of needs, the building offers users the possibility of shared services and ready-to-use workstations tailored to their image, with the specific networks required for their research on standby. The speed at which these networks evolve requires ready-to-use, modular spaces.



Typology
Offices, Laboratories

GFA
20 000 m²

Construction cost
NC

Location
Évry-Courcouronnes, France

Status
On going

Project delivery
Promotion

A Lab-Ready frame

The layouts are designed to create functional, aesthetic and pleasant spaces in keeping with the function of the buildings and the laboratory environment.

The LabReady concept provides a solution that adapts to changing needs and enables rapid modification, with a vocation for development on other science campuses.

An adapted architectural and technical framework

Rectangular shapes are the most flexible for creating a functional laboratory project. The typical platform is made up of two 9m bays, allowing you to create a choice of:

- Two rows of laboratories (with/without airlocks) served by a central corridor,
- Or spaces in the centre of the platform with peripheral circulation.

The overloads taken into account on the shelves are 500kg/m².

The flows are well separated :

- Each platform can be easily reached by a goods lift, accessible from a logistics area at the foot of the building;
- Staff use the lifts from the ground floor lobbies.

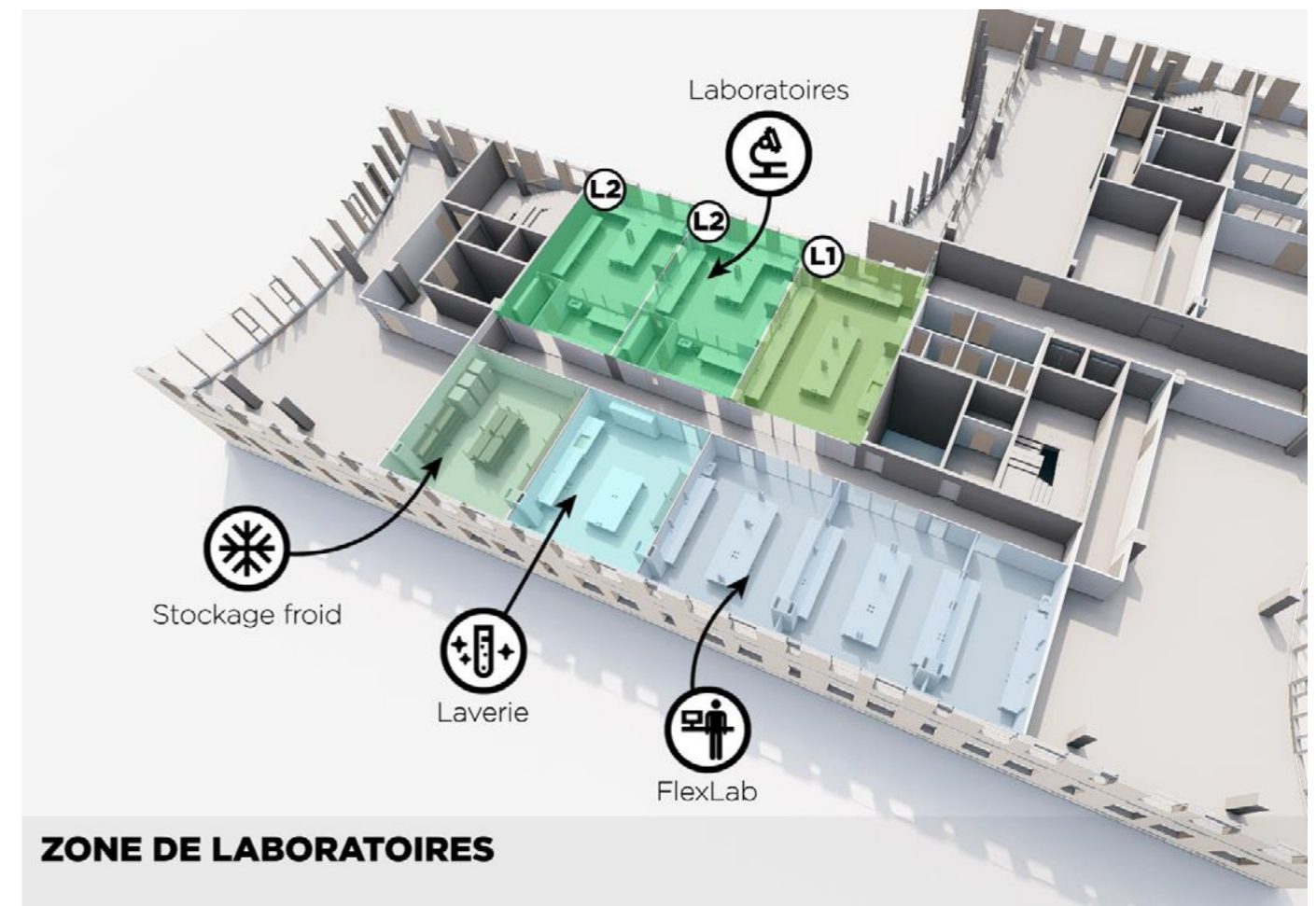
Scalable laboratories

The laboratories are designed on the basis of a 60m² module, which can be partitioned for process and confidentiality reasons, or left open to create large collaborative spaces. These partitions can be upgraded over time.

On the technical platform, there is a clear height of 3.90m, with no overhanging beams, facilitating the horizontal distribution of air handling equipment from the large technical ducts located at the ends of each zone.

Made-to-measure design

The design teams can work with users from the programming phase through to completion of the works, taking into account the specific features of their activities.





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