

Condorcet

The Condorcet University Campus: City of Humanities and Social Sciences. Construction of two research and teaching buildings.

CLIENT

Public Establishment for Scientific Cooperation
Condorcet Campus

TEAM

Patriarche (Architect)
Partners:
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Oasiis, Betip

KEYPOINTS

Visibility: the administrative building is located in a central position on block 2, making it a natural passageway and meeting place for visitors and researchers.
Flexible & Modular offices.
Educational and digital innovation.

ENVIRONMENTAL PERFORMANCE

RT 2012 level
The sustainability of the campus depends on the choice of appropriate solutions, both in terms of energy performance, water management, waste management, environmental protection and noise pollution and the sanitary quality of spaces.

The Condorcet Campus is located in an area that is undergoing major urban renewal operations conducted by the various players in the area: the City of Paris, the Urban Community of Plaine-Commune and the Municipalities of Aubervilliers and Saint-Denis as well as the Departmental and Regional Authorities.

The territorial development project carried out by Plaine-Commune positions this territory as a major hub of Greater Paris.
The “Humanities Courtyard”, the “Campus Park” and the “Active Base” are the three definitive figures of a project focused on ensuring the adaptability of the urban framework over time and the legibility of a leading public institution.

Patriarche is involved in the overall design of the Condorcet Campus and has also designed two buildings:
• A research building, housing research modules on the upper floor, teaching rooms, a medical centre and a brasserie on the ground floor, as well as a car park in the basement covering 15,000 m2.
•An administrative building that brings together the management of the EPCS campus, and the research platforms of the Project Hotel, as well as the central safety/security post of the site. Located in a central position within the campus, it is the passageway and meeting place for visitors and researchers.

Typology Equipment, Education	Construction cost 36 M€	Status Delivery 2020
Surface area 21,900 m² of floorspace + 2,500 m² of underground parking	Location Aubervilliers, France	Allocation mode Public Private Partnership (PPP), Comprehensive Programme Management Contract (MPGP)



Innovation and sustainability

- A new centre of knowledge and innovation at the crossroads of the capital and the inner suburbs, the Campus Condorcet links the historic sites in the centre of Paris with the many university sites already present in Seine-Saint-Denis.

- The Campus Condorcet offers researchers and students optimal working conditions thanks to shared services and facilities, including a conference centre, a large documentary facility, a project hotel, a residence for visiting researchers and 450 flats.

- A place of innovation, the Campus Condorcet Porte de la Chapelle also responds to a need to decompartmentalise practices and locations. Modular premises have been created, just like the teaching areas and consultation rooms designed to adapt to the latest educational and digital innovations.



QEB evaluation grid

ENERGY

GENIUS OF THE SITE Background / Memory / Geography / Sociology / Local economic sectors

BIOCLIMATISM Local climate / Winds / Irradiation / Façade treatment / Solar optimisation / Natural ventilation

ENERGY EFFICIENCY System sizing / Heat recovery / Motion detection / Dimming

WATER SAVING Water-saving equipment / Rainwater harvesting / Reuse of rainwater

CARBON

CONSTRUCTION METHOD Prefabrication / Off-site / Timber structure / Timber frame

FINISHING MATERIALS Bio-sourced envelope and insulation / bio-sourced finishing work

CIRCULAR ECONOMY Reuse / Local network / Recyclability / Collection and sorting / Green building site

RESILIENCE

HEALTH AND WELL-BEING Indoor air quality / Healthy materials / Acoustics / Atmosphere / Views / Temperature / Hygrometry

RISKS Climatic / Natural / Health / Technological

DEVELOPMENTS Modularity / Reversibility / Flexibility

BIODIVERSITY Green façades / Green roofs / landscaping



A sustainable campus

The sustainability of the campus, which involves choosing appropriate solutions in terms of energy performance, water management, waste management, protection against noise pollution, sanitary quality of spaces, etc., is a key factor in the success of the project.

70% of site waste has been recycled. The campus includes a large proportion of green spaces, in line with the expectations of the local authority, thereby contributing to the environmental quality of the neighbourhood and the renewal of biodiversity. In particular, there are 5,000 m² of green roofs. More than 40% of the hot water needs of the researchers' house and the university and administrative restaurants are produced using solar energy.

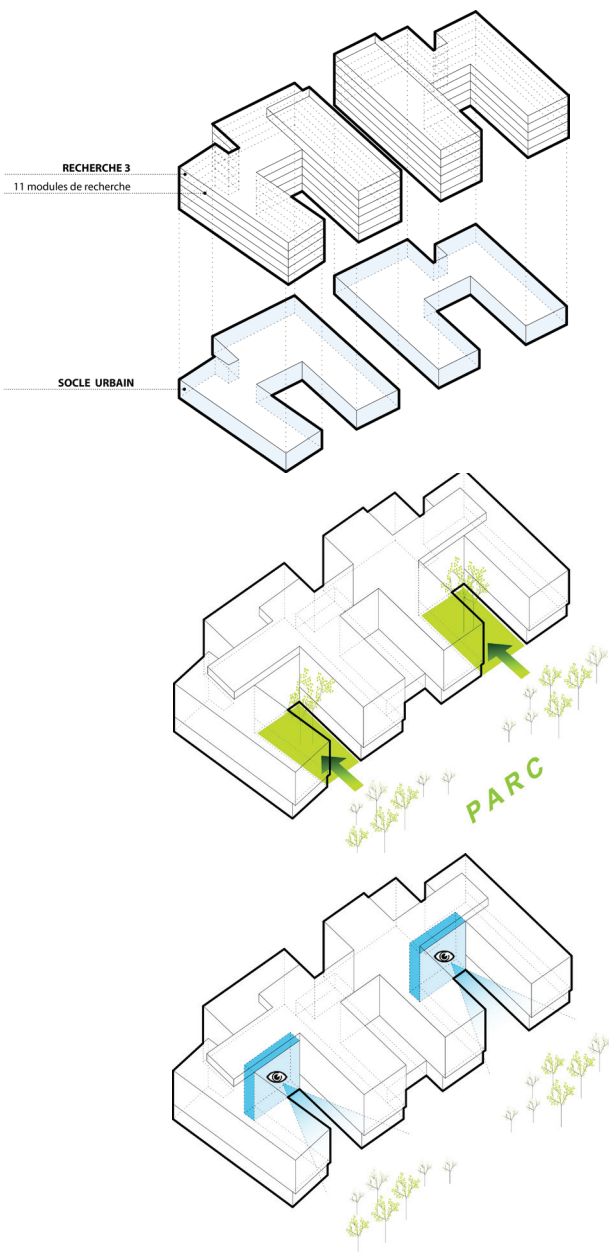
Research building - RECH3

The assembly of several volumes opens onto two patios, the world of research opens up and lets itself be seen.

The RECH3 research building is part of the urban strategy of the Campus Park, “whose singular typology is the result of the search for a balance between the need for sharing and the need for a reasonable footprint, allowing for serial repetition while creating passages and porosities.”
A dialogue is established between the common ground and these buildings: the porosities and transparencies draw researchers out of their offices and into the lively city of trees, opening up the world of research and allowing it to be seen.

To achieve this, we proposed a segmented volumetry creating porosities and permeabilities. This assembly of several volumes opens out onto two patios, in continuity with the park and its pedestrian axis. In this way, the large volume of the research building on block 3 blends harmoniously into the campus park, thanks to its breakdown into multiple elements.

The building also raises the very specific question of researchers’ work space, and the possibility of imagining singular spaces dedicated to the specific nature of research work in the humanities and social sciences. Our response introduces an intermediate dimension between modules and offices: the cell. Its surface area, dimensions and construction method make it possible to envisage, without any complexity, any possible layout, experimentation of spaces, organization of work and their permanent evolutivity.



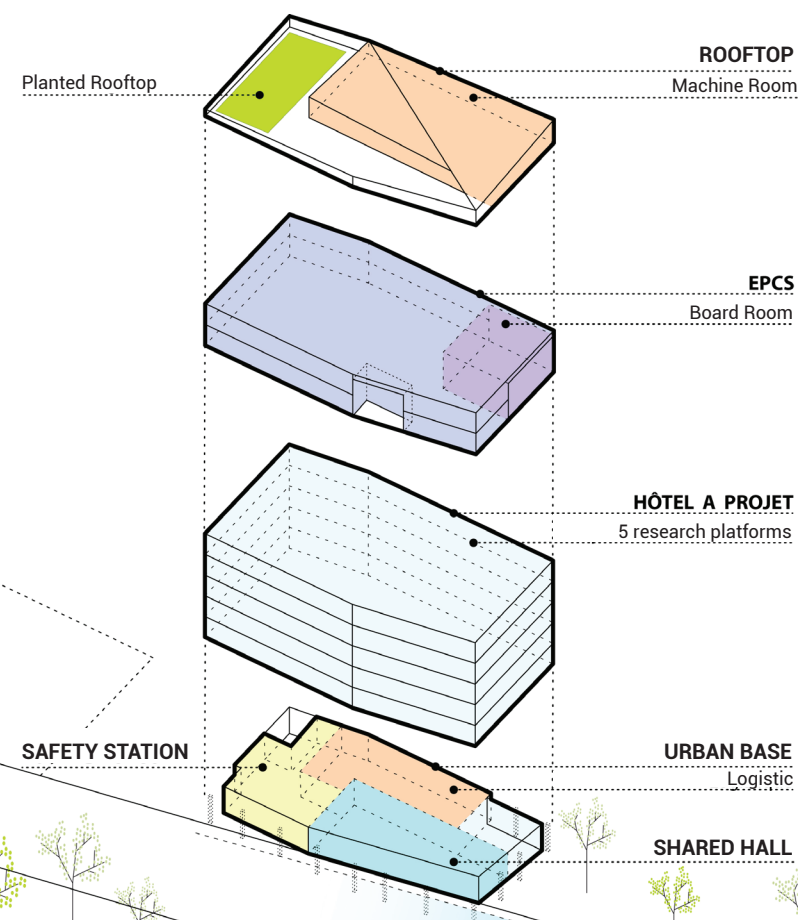
“Hôtel à projets” and “EPCS” headquarter

The project hotel is located at the heart of the campus, making it a focal point for visitors and researchers alike.

The building is made up of «strata», vertically superimposed one on top of the other:

- The «common urban base» is carved out to follow the edge of the pedestrian axis and preserve views and perspectives from the GED exit onto the southern part of the Campus.
- The lobby and meeting room, shared by the two main functional entities, the logistics offices and the site's central security/safety station.
- The five floors of research platforms at the Hôtel à Projets are organized around a central core that groups together vertical circulation and services. The office floors are laid out around these cores. The offices are free from structural and network constraints, flexible, modular and adaptable to future uses.
- The EPCS is organized on the top two floors, with the double-height boardroom as a «beacon» on the campus.

The highly compact building houses the EPCS campus management, the research platforms of the Hôtel à Projets and the site's central safety and security station.





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