

# Aivancity Campus

**Refurbishment of the École normale supérieure Paris-Saclay (ENS Paris-Saclay, formerly ENS Cachan), in order to accommodate an innovative school of artificial intelligence: School for Technology, Business & Society Paris-Cachan.**

## CLIENT

SCI Aivancity Patrimoine (SCI Aivancity Heritage)

## TEAM

Patriarche Group:

Bart (Real Estate Développement)

Patriarche (architecture, interior design, landscape, High Environmental Quality [HEQ] standards, BIM)

Patriarche Ingénierie (general construction, cost assessment)

Patriarche DB (lead firm, general contractor, direct contractor, and project management)

Patriarche Creative (storytelling, signage, and communication)

Patriarche UX (digital)

Myah (furniture)

Partners

Mobius Réemploi

## KEYPOINTS

Reuse of materials.

Circular economy.

Project focused on human-centred approach to innovation and digital technology.

## ENVIRONMENTAL PERFORMANCE

Energy-efficient refurbishment.

The Aivancity School for Technology, Business & Society is a private higher education institution with the ambitious objective of offering training for careers in Artificial Intelligence and to invent the technology of tomorrow.

Built around the three pillars of Artificial Intelligence, Business and Ethics, this innovative hybrid school project will help to make Île-de-France the AI capital of Europe. Cachan Campus is being redeveloped with new teaching facilities in existing renovated buildings. It will also include housing and services, in addition to the existing residences and facilities of CROUS, the Centre Regional des Oeuvres Universitaires et Scolaires (Regional Centre for University and Scholarly Works).

An overall urban redevelopment of the entire campus will, in the long term, include opening it up to the city with new access and crossed by pathways designed for 'soft' modes of transport.

Refurbished buildings will house teaching rooms, an amphitheatre, a coworking space, a FabLab, rooms designed as flexible spaces, and offices, and the architecture of the reception, exchange and meeting spaces will be enhanced. It incorporates the changing capabilities of the school, extends to outdoor spaces in the garden to extend the working environment and the benefits of nature in the city, and finally, encourages interaction between learners and between the school and its surroundings.

We worked hard to optimise the thermal, visual and acoustic comfort levels of the interior through the use of computer simulations (Design Builder software). The aim was to make a precise analysis of the existing facades and their solar and bioclimatic impact on the interior. As part of the design of the thermal regulation systems, we were able to assess the need for solar protection on the south facade and to fine tune the access of natural light and the balance of heat and cold inside.

Typology

**Education, offices, and refurbishment**

Surface area

**3,600 m<sup>2</sup> of floorspace**

Cost

**4.7 M€**

Location

**Cachan, France**

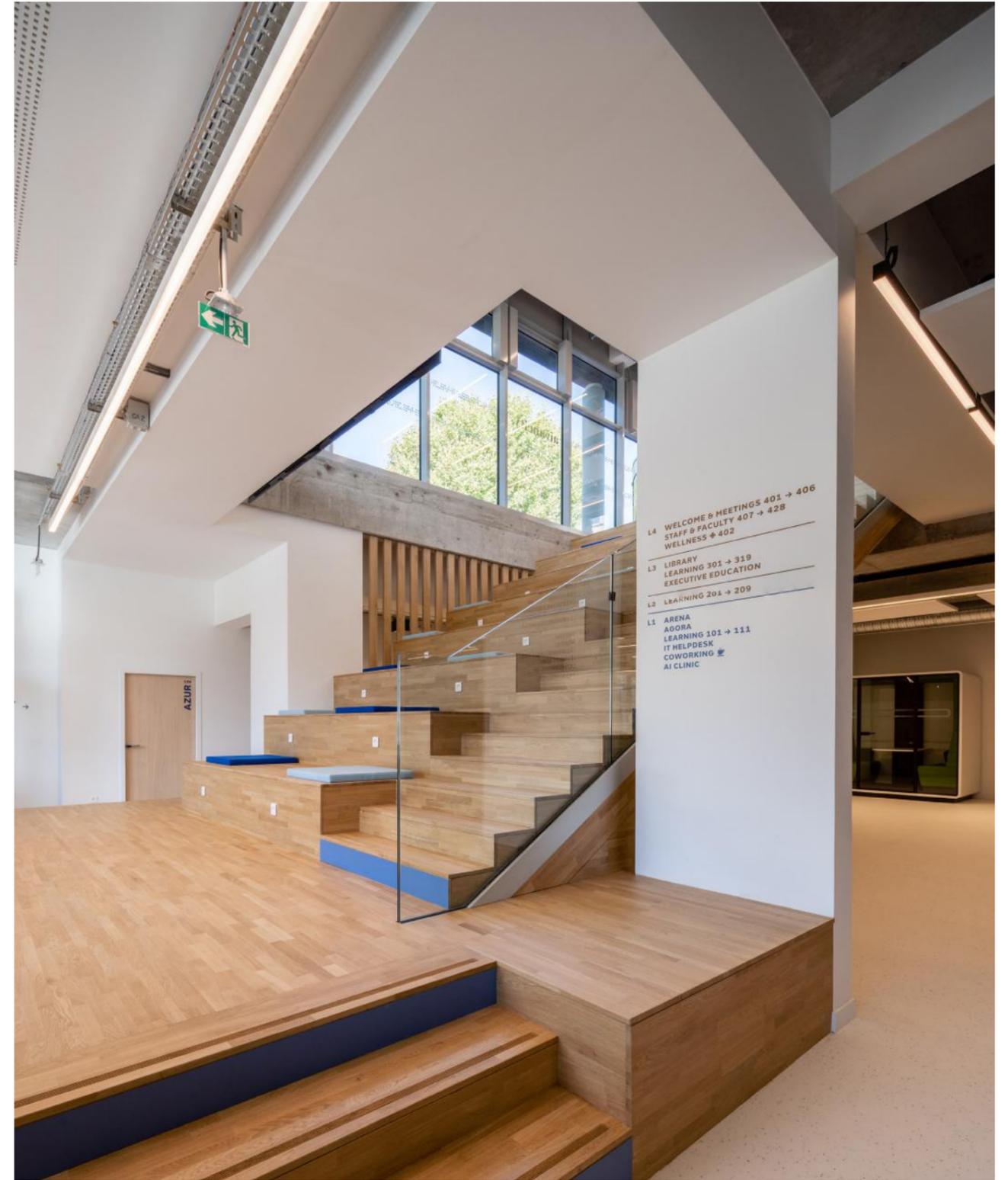
Status

**Completion 2021**

Allocation mode

**Design / Build**





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