

# Topaz

## Synergy boost for Total Group research and development.

### CLIENT

TotalEnergies  
Bart (developer)

### TEAM

Patriarche Group:  
Patriarche DB  
Patriarche (Architecture)  
Patriarche Ingénierie (General construction and cost assessment)  
Partners:  
Antonini Architecte Associés (lead firm), Atelier Altern, EVP Ingénierie, and TRIBU ENERGIE

### KEYPOINTS

Each department is divided into 4 spaces for different uses:

- The Convivialité & Echanges Zone, containing a reception area, cafe, and shop.
- The Diffusion & Médiation Zone for collaborating and sharing ideas, containing spaces such as labs (multipurpose spaces for innovation and experimentation), conference rooms, and coworking spaces.
- The Réflexion & Projets Zone for brainstorming and developing innovative projects, containing incubator spaces, event spaces, and meeting rooms.
- The Expérimentation & Test Zone, containing spaces such as laboratories and a fablab.

### ENVIRONMENTAL PERFORMANCE

Targets: HQE (High Environmental Quality) Sustainable Building. Excellent - Level E3C2.  
LEED Platinum level.  
OSMOZ Ready level.  
R2S-Ready2Services level.  
Level 1 biosourced building.

Total has chosen the École Polytechnique district in Palaiseau as the future location of its R&D and training centre, which is due to open in 2023. More than 400 people will work there.

By setting up the centre here, Total is disrupting the relationship between private and public research, betting that bringing in outside collaborators can generate new partnerships that will meet the challenges of a post-carbon world.

The building houses innovation and research programmes that require shared infrastructure and which benefit from being a part of the Saclay ecosystem. This facility will complement the research centres that already exist there.

The building's proportions are modestly designed. Recalling the existing architecture, the building's design fits into the urban landscape in a legible, coherent and natural way. Striving to avoid an austere style, it presents itself as a modest, open and engaging building.



Typology  
**R&D, laboratories, and education**

Construction cost  
**36 M€**

Status  
**Delivery 2023**

Surface area  
**12,462 m<sup>2</sup> of floorspace**

Location  
**Saclay, France**

Allocation mode  
**Private project management  
Design and Build**





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