

Olympic and Paralympic Games (OPG) 2024 in Paris - Athletes' Village

05/06/2023 – Emilie ORAND (CSTB)

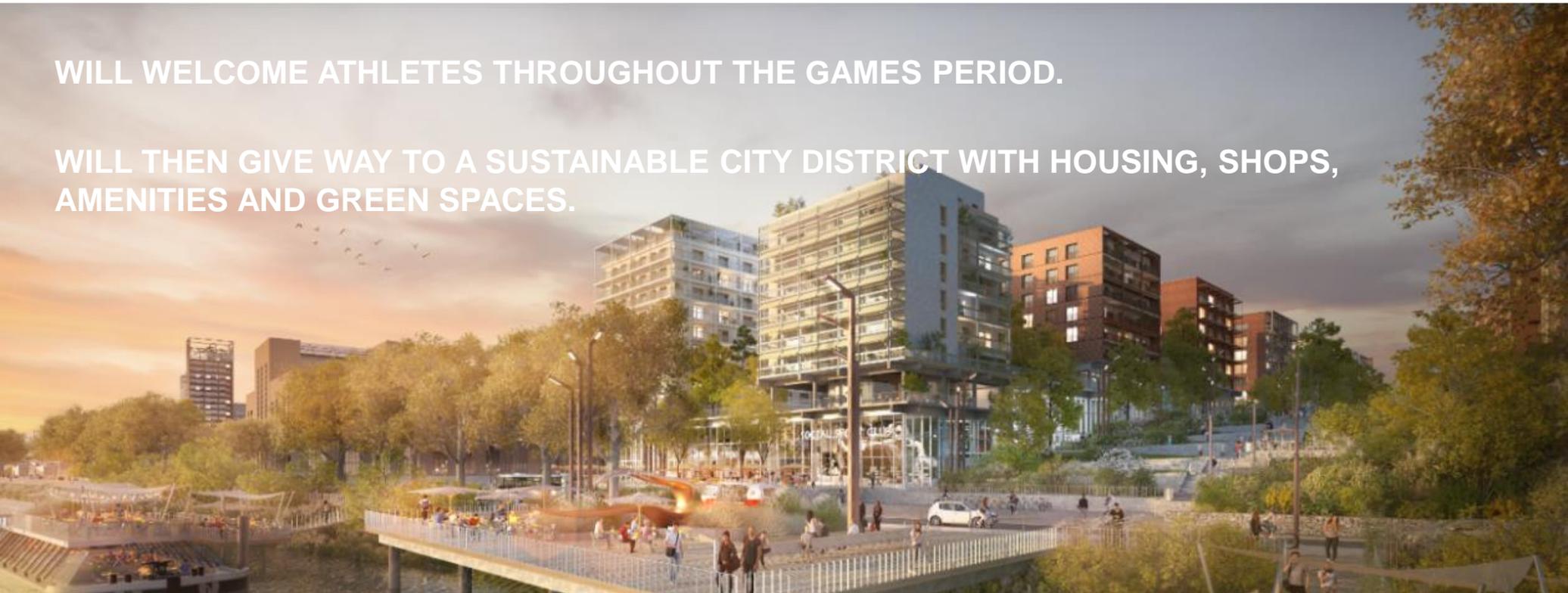
CSTB
le futur en construction

ATHLETES' VILLAGE

BORDERED BY THE SEINE, IT IS LOCATED BETWEEN THE COMMUNES OF SAINT-DENIS, SAINT-OUEN-SUR-SEINE AND L'ÎLE-SAINT-DENIS.

WILL WELCOME ATHLETES THROUGHOUT THE GAMES PERIOD.

WILL THEN GIVE WAY TO A SUSTAINABLE CITY DISTRICT WITH HOUSING, SHOPS, AMENITIES AND GREEN SPACES.



ATHLETES' VILLAGE

A DESIRE TO EMBODY XXIST CENTURY URBAN PLANNING

With around 7 hectares of green spaces, nature will play an essential role in the athletes' village.

Urban planning for the 21st century due to :

- its ***energy performance***;
- its ***carbon neutrality***;
- its ***strong promotion of biodiversity***.

And also to promote "***living together***" and the development of an inclusive society, taking into account the diverse needs of every citizen, especially those with disabilities.

→ **Aim: to promote wood construction**

→ **The challenge: to ensure the reliability of timber construction on high-rise buildings.**

- ❑ Building heights over 28 m
- ❑ Laying cladding on wood-frame facades
- ❑ Prefabrication

To date, there are no standards in France for wooden buildings of this height.



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Setting up a plan with the various stakeholders in this ambitious project to take up this challenge.

46 buildings studied
Tens of thousands of m² of facades



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The Athletes' Village in 2025

Once the Olympic Games are over, the ***athletes' accommodation will be transformed*** to create a ***new neighborhood***.

The facilities will include housing, business activities (shops and services), children's facilities (2 schools, 2 childcare centres, 1 high school) and sports facilities.

In figures

In Saint-Ouen-sur-Seine and Saint-Denis

- 1 715 family housing (including 25 to 40% social housing, depending on the municipality),
- 621 special housing (for students, the elderly, etc.),
- 1 school group (nursery and elementary schools) in Saint-Ouen-sur-Seine,
- 1 school group (nursery and elementary schools) and a new gymnasium in Saint-Denis,
- The Pablo Neruda gymnasium in Saint-Ouen, renovated and enlarged,
- A 2.5-hectare park,
- 117,000 m² of activities, offices and services,
- 2,000 m² of local shops,
- 2 childcare centres with 30 cribs each

At L'île-Saint-Denis

- 320 family housing (including 90 social housing and 20 housing units for social home ownership),
- 1 student residence with 142 rooms,
- A 1.3-hectare urban park,
- 1 hotel with 115 rooms,
- 2 office buildings,
- 1,850 m² of shops,
- A 1,200 m² water sports centre,
- 1 Cité des Arts of 1,500 m²



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SOLIDEO - Olympic Works Delivery Company - drew on the skills and expertise of the CSTB, **in partnership** with the SOCOTEC inspection office, France Bois 2024 and ADIVBOIS, and **with the support** of CODIFAB and France Bois Forêt in the field of timber construction operations planned for the 2024 Olympic Games.

« ALONE WE GO FASTER, TOGETHER WE GO FURTHER »



Copyright : UAPS



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Facilitate the evaluation of innovative products and processes to help wood construction and bio-sourced materials gain access to the OPG 2024 market.

Facilitate the appropriation by project management teams of non-traditional techniques implemented on wood supports and desired on the athletes' village operations.

Analyze, as soon as building permits are issued, all the projects of each group present on the ambitious Olympic Village site, and identify the most representative non-traditional techniques on the structures and the most sensitive.



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Produce design support documents in the form of technical specification guides for design, manufacture and implementation, facilitating :

- the appropriation by project management teams of non-traditional techniques;
- the obtention of ATEx or Technical Appraisal for recognition as a standard technique.

3 technical specifications guides :

- ETICS on FOB (wood-frame facades) / COB (wood-frame constructions)
- Terra cotta cladding on FOB/COB
- Accessible shower tray on wooden floor



1 single expert committee for all operations, bringing together cross-disciplinary expertise (wood construction, facades, joinery, waterproofing, implementation, manufacturing, etc.)

Buildings under construction on the Athletes' and Media Village site

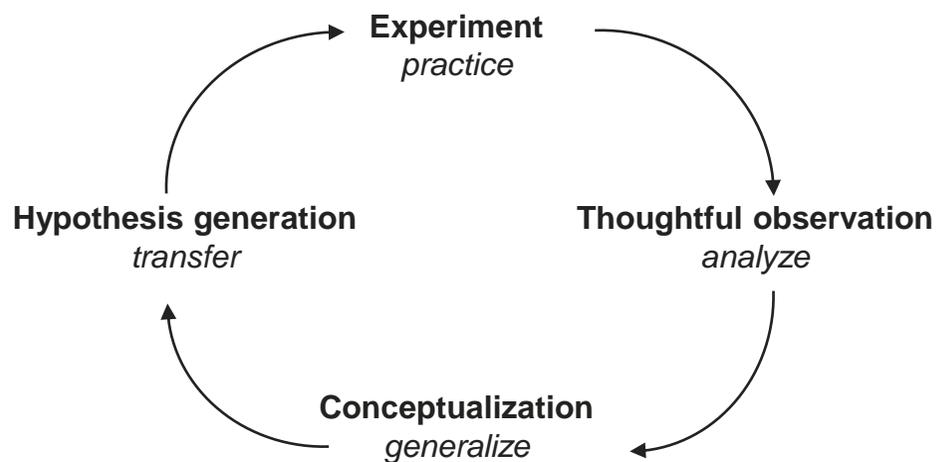




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The learning cycle of David Kolb, 1984

Experiential learning :

Apprenticeship must not end with the issue of an ATEx (Technical Experimentation Assessment).

It must create the conditions for genuine feedback.

**The greatest difficulty is not so much daring to
innovate as taking it on.**

Experimentation involves the actors.

Thank you for your attention.

