

Bowling Puy Saint Vincent

Puy-saint-vincent, FR

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stravitec

Making your world a quieter place



Case Study



Property Owner

Mairie du Puy Saint Vincent



Main Contractor

Mairie du puy Saint Vincent



Acoustic Consultant

VENATECH



Architect

Balthasar Sievers / Atelier BAUA

OVERVIEW

This multiplexe and multicultural building is a wish from the city of Puy Saint Vincent to have a new culture and meeting spot, and the first stone was laid in 2021.

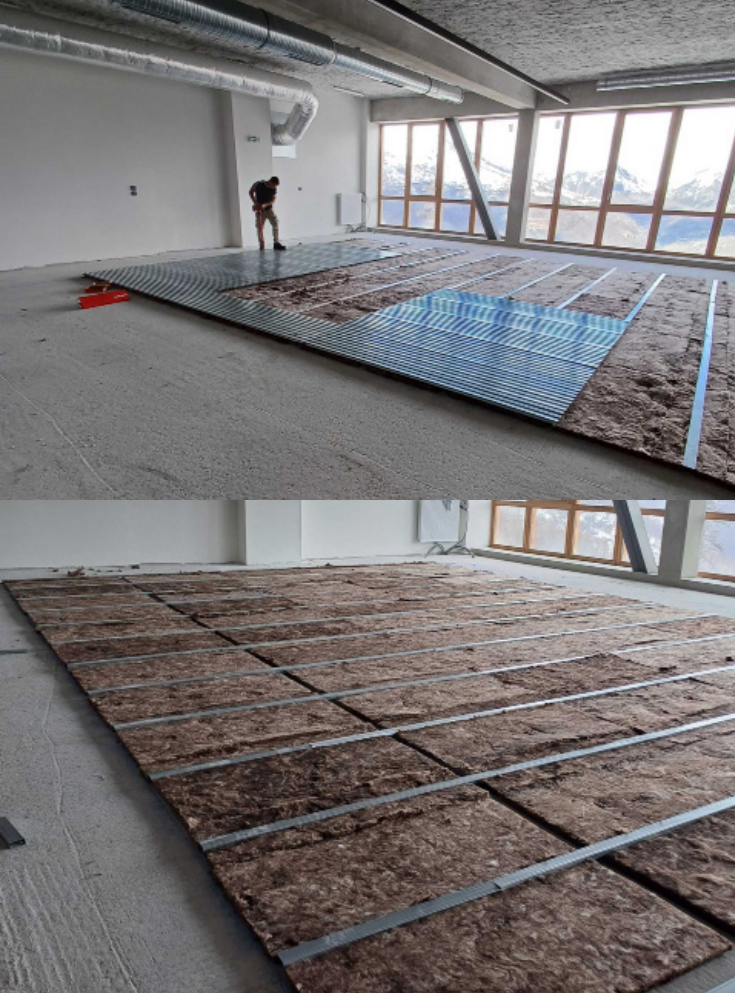
This project will result in the creation of an all-season reception and leisure center for the local population, the valley and vacationers.

The complex's facilities will also be accessible to local schools.

It is built at the altitude of the 1600 Puy-Saint-Vincent ski resort. The land chosen for this operation is located downstream of the "la voile" building, on a platform which currently accommodates a caterpillar hangar.

Stravifloor Deck

High-performance low-profile deck floor system with high bending stiffness for light concrete constructions allowing for large support spans.



SOLUTION

To address the significant acoustic constraints despite the relative isolation from the train station, especially given the multifunctional use of the building for sporting activities, cultural events, and musical performances, an effective vibration decoupling solution was essential. This was particularly crucial for the bowling area, where vibrations could easily disrupt other activities.

Partnering with VENATECH, an acoustic design office, we developed a specialized solution: a decoupled **Stravifloor Deck**, a low-profile floating floor system using a proprietary dovetailed metal deck for thin concrete pours. The design of the Stravifloor Deck ensures effective vibration isolation, minimizing acoustic interference between the diverse range of activities hosted within the building. This setup provides a robust yet space-efficient solution, addressing both the structural and acoustic requirements of the project.



“During the planning phase for the sound insulation of our performance hall, which is located beneath a future bowling alley, we initially received poor advice from the involved design team. Fortunately, the Valcke company, the manufacturer of the bowling alley, connected us with CDM Stravitec. Your expertise helped us find a practical solution.

We greatly appreciate the responsiveness of your services, from the initial study to the swift arrival of your technical team on-site, despite the distance. The rapid scheduling and execution of the intervention as planned were also commendable. A big thank you installation team for completing the job quickly and efficiently. I will not hesitate to recommend your company to others.”

Philippe Beraud, Director of Technical Services
Mairie de Puy Saint Vincent

AT A GLANCE

CHALLENGES

- The locations of the bowling, just over the theater room.
- Widely varying load conditions across the entire surface, particularly in areas such as the approach, lane, and pinsetter.
- Diverse noise sources, ranging from the low-frequency rumble of balls rolling along the lane to the clatter of balls striking the pins and those hitting the floor.

BENEFITS

- Rolling noise reduction.
- A high-performance floating floor system for excellent structure-borne and airborne noise isolation.

120 m²
Stravifloor
Deck

