

Michelin R&D Center

France





THE PROJECT

The Urbalad project is one of the most ambitious developments in recent decades. Phase 1 consists of the construction of the Michelin Research, Development and Innovation campus in Cébazat, on the outskirts of Clermont-Ferrand, France. With 67,000 m² of floor space, this innovative campus is designed for flexible working methods. Plafometal proposed tailor-made metal ceiling solutions that blend in perfectly with the biggest building ever built in the Auvergne region.

THE CUSTOMER'S NEEDS

- Acoustic comfort
- Thermal comfort
- Decorative solutions

OUR ANSWER

- Supply of three customized ceiling solutions:
 - Metal islands in the offices, with opening climate panels, capable of cooling and heating the rooms
 - Concealed grid ceilings in the meeting rooms
 - Underside of the walkway
- User's thermal confort: climate ceilings in the offices for heating in the winter and cooling in the summer.
- User's acoustic comfort: exemplary performing ceilings in acoustic, thanks to an acoustic absorption of $\alpha_w = 1$.





ISLANDS OF CLIMATE CEILINGS

- A system of metal islands with Oriol swing-down opening panels.
- Sheet steel with RAL White 9010 powder coated (post-lacqued) metallic surface.
- 2.5 mm diameter perforations with 23% of hollow space.
- Filling: specific surfaced insulating material.
- Hydraulic circuits with copper coils for cooling and heating.

PRODUCT BENEFITS

- Acoustic comfort, absorption of $\alpha_w = 1$
- Removable swing-down opening panels for access to the plenum
- Harmonious integration of the equipment (lights, signs...)
- Lengths adapted as required. A system that is quick and easy to install.

TECHNOLOGICAL ADVANTAGES: CLIMATE CEILING

- Innovative technique.
- Ambient comfort, thanks to the uniform temperatures.
- System that provides heating in the winter and air conditioning in the summer.
- Energy savings (a solution to environmental issues).
- No noise.
- Low air movements.

HORUS SELF-SUPPORTING PANELS

- Monolithic appearance: the self-supporting panels are designed to be installed on a specific concealed grid.

PRODUCT BENEFITS

- Gives the ceiling a solid and monolithic surface.
- Panel length can be adapted as required, no intermediate grid, shorter installation time.
- Open hollow joint peripheral finish.
- Adaptable widths for superior flexibility.
- Absorbs alignment gaps with vertical partitions thanks to a grid with an offset edge.



PM2 SELF-SUPPORTING PANELS

- Self supporting panels with abutting sides and square edges. Installed on the underside of the walkway.

PRODUCT BENEFITS

- Panel length can be adapted as required, no intermediate grid, shorter installation time
- Adaptable widths for superior flexibility
- Can be equipped with folded ends for greater lateral rigidity and can be adapted to most grids
- Easy to disassemble by simply lifting the panel to offer complete access to the plenum.

SURFACE AREA: 68,856 m²

TOWN: Cébazat

COUNTRY: France

BUILDING: offices, meeting rooms, corridors, landings, top and underside of walkways.

DATE: 2014 and 2017

CONTACTS

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- **Works contractor:** Eiffage construction Auvergne
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