



➤ HISTORY:

Located in the heart of Burgundy, not far from the **wine coast named UNESCO World Heritage**, the real tourist issue of the municipality of Dijon favored the construction of the covered market in 1868.

The construction of Les Halles as for it, was undertaken between 1873 and 1875 after several years of debates.

Halls of Dijon have been listed as **historical monuments** since 1975. Today, tourists from around the world love to come and admire the building and its ornaments.

➤ ARCHITECTURE:

Its metal architecture is adorned with animal motifs and multiple symbols to replace a former convent of Jacobins and their church of the thirteenth century.

The building has a surface of **4,400 m²** and a height of **13m**. It has 4 pavilions around 2 main aisles in cross and shelters **85 traders under the halls**, as well as 65 traders in fruits and vegetables on the outside edge of the halls.



Market Halls : pole of attractiveness in the heart of the city

► CHALLENGES OF AN OPEN MARKET ALL YEAR:

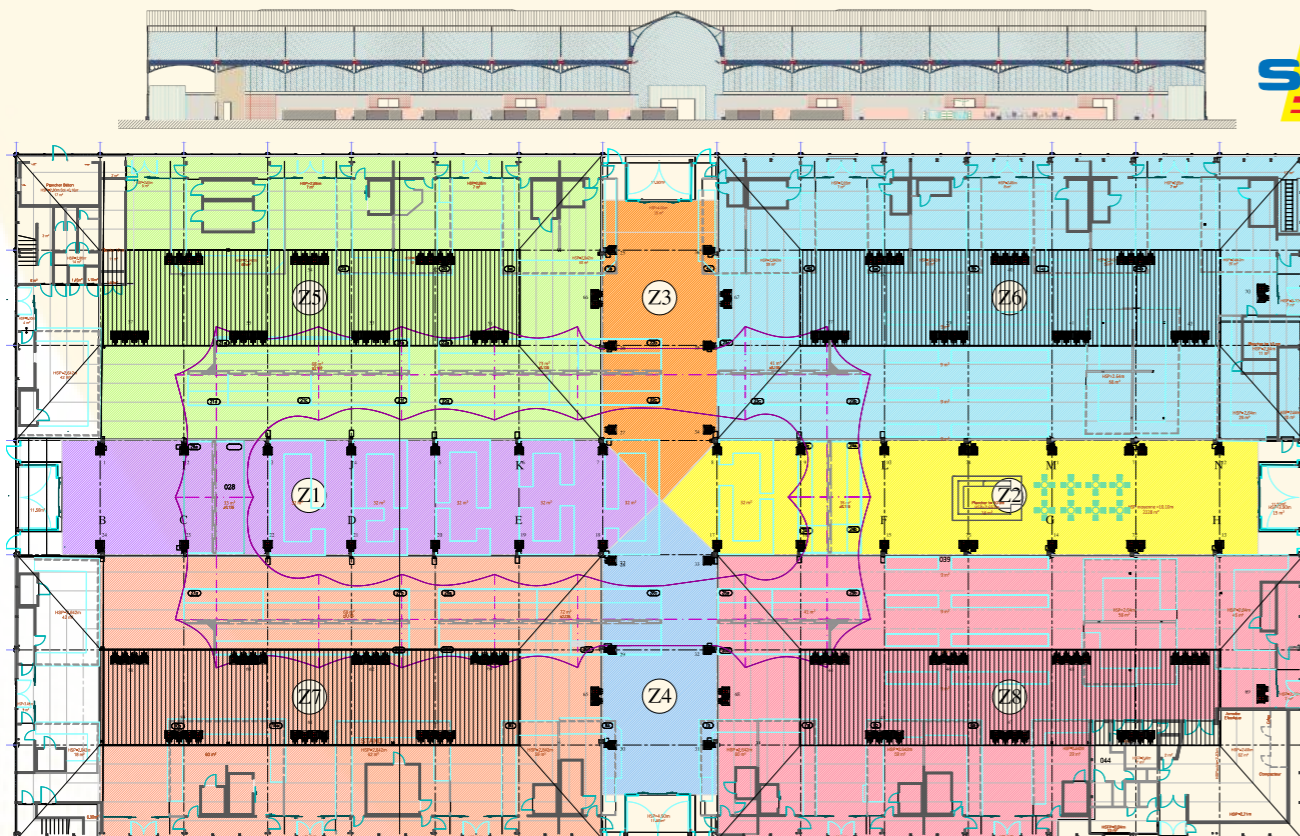
In the center of the city of Dijon, covered halls are a real strategic pole of dynamism, meeting and exchange.

This monument characterizes a real tourist platform and highlights the heritage of the city. The warm atmosphere it generates makes it a must for hearty eater and the confirmed gourmets.



Market days: Tuesday, Thursday, Friday morning, and Saturday all day.
From May to September on Sunday, brunches organized by the City of Dijon and concocted by chefs.

► INSTALLATION PLAN:



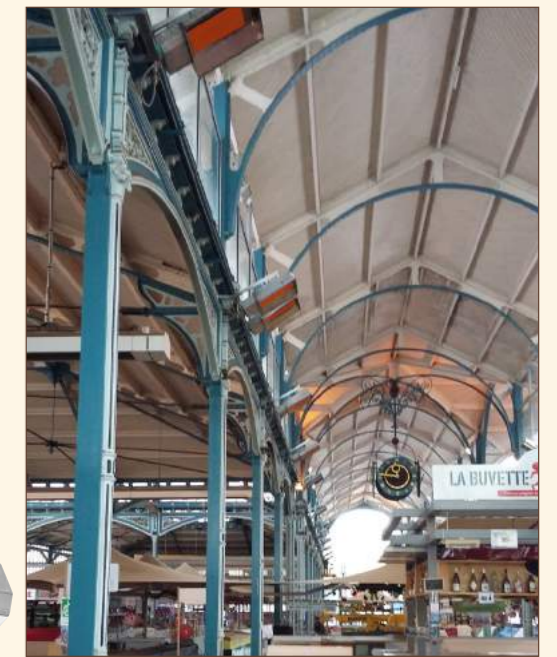
► PROJECT FEATURES:

✓ **Assessment** : The building of great height widely open in its upper part causes a renewal of important air.

In very cold weather, some foods (salads, fragile vegetables ...) were deteriorated by frost despite heating in place (relatively inefficient). The floors remaining wet brought accidental falls of visitors by a phenomenon of slipping.

✓ **Objective** : The city of Dijon wanted to find a heating solution to obtain a set temperature of **+ 4 ° by -10 ° C** outside and especially to eliminate the problem of deterioration of food by frost.

In addition, the system to be put in place had to guarantee the safety at the level of the traffic lanes concerning the problem of humidity.



Heat surfaces, not volumes



✓ **Solution** : the choice of SBM ceramic radiant heating was motivated by its **optimum comfort** and its very **economical operation**.

Thanks to radiant heating, the thermal comfort of exhibitors and visitors makes the monument even more welcoming.

The SBM solution has been adapted to the aesthetic needs (in accordance with the structure) and the temperature set point requirements.

► DESCRIPTION TECHNIQUE

Heated surface	4183 m ²
Total installed capacity	1730 kW
Building heights	6,5 m / 7,5 m / 7,7 m / 9,5 m
Comfort temperature	+ 4° C by - 10° C outside
SBM ceramic heaters type & number	168 model XFR 32-I
Energy	Gaz naturel (G20-20)
Installation date	2015

CHARACTERISTICS OF THE SBM INSTALLATION



- Radiants ceramique à hauts rendements
- Double-pace option
- 8 zones to heat = flexibility

} = more energy savings

TESTIMONIAL

«In order to respond to various requests for efficiency in the heating system installed in the market Halls of Dijon, we sought with our energy partner, Dalkia, a solution adapted to this type of building. The latter has large openings in the classified roof, favoring losses by natural air renewal very important.

The technology that we thought was most effective was a system of radiant gas heating. The SBM company, manufacturer of heaters and located in the region of Dijon, has carried out a comprehensive study corresponding to our specifications.

After validation by our energy department and our partner, Dalkia's service department installed 168 heaters.

We note a real satisfaction in the results after several seasons of heating.»

The company Dalkia.

Referent user

La ville de Dijon

21 000 DIJON
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Designer & Installer

Dalkia



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