

Stainless mesh lights up stadium



The elliptical main façade of the stadium is covered with 2046 m² of HAVER Architectural Mesh. During the day the semi-transparent surface of the stainless steel mesh creates an elegantly gleaming appearance in the sunshine. Photo: © HAVER & BOECKER

Did you watch any of the matches in the new Stade Pierre-Mauroy stadium in France during the European Football Championship 2016, which ran from 10 June to 10 July? If so you will have seen the Transparent Media Façade IMAGIC WEAVE® constructed of stainless steel and LED lighting which caused a sensation around the stadium.

Text & photos by HAVER & BOECKER

The Stade Pierre-Mauroy was one of nine venues used for matches during the 2016 European Football Championship. Opened in 2012 and named after the former mayor of the city, the multipurpose stadium is located in Villeneuve d'Ascq, southeast of the metropolitan region Lille. Primarily, the Stade Pierre-Mauroy is the stadium of the football club OSC Lille with a capacity of 50,000 spectators. Within 24 hours, the stadium can be turned into a versatile arena for concerts, cultural and indoor sports events.

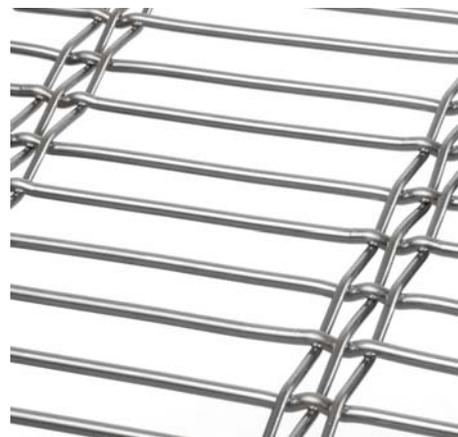
Six games of the UEFA Euro 2016 took place at Stade Pierre-Mauroy. The 2046 m² transparent media façade adorning the main façade of the stadium certainly put a spotlight on the European Championship in Lille.

Demanding setting

The unique design of the stadium is by architects Valode & Pistre and Pierre

Ferret, who wanted the external view to be as exciting and distinctive as the inside. The concept of the architectural team was to create a façade that in one moment fascinates with its elegance and clarity, and in the next brings the stadium to life through atmospheric light and colour. To realize this concept they set extremely high demands on the flexibility of the media façade system. The IMAGIC WEAVE® media façade system chosen combines architectural grade T316 stainless steel mesh with LED technology from Traxon Technologies, an Osram Business. It creates with an infinite number of colors individually programmable lighting effects, from simple graphics to live video coverage of sporting and cultural events. By attaching slim LED-profiles to the reverse side of the wire mesh a homogenous and clean look of the façade is maintained at all times. With a height of 20m and a length of 120m, the media façade has 70,000

pixels covering the entire surface of the external envelope. Within the whole façade there are three different resolution areas: a rectangular high-resolution screen for promotional



The HAVER Architectural Mesh DOGLA-TRIO 1030 is a robust specification with good stability for façade designs. It has a weight of ~ 6,2 kg/m² (1.27 lbs/sqft) and has ~ 75% open area. Photo: © HAVER & BOECKER

[WIRE MESH]

videos; an elongated medium resolution “ticker” style screen, and a large background screen with a low resolution, which can be used for graphics or creating various lighting moods.

The 20 m high mesh panels are tensioned using tension profiles, clevis screws and pressure springs. The border elements of the elliptical surface were custom fitted using welded flat steel, special eyebolts and pressure springs.

In total 4.3 km of powerful LED profiles were installed by abseilers to 2046 m² of stainless steel HAVER Architectural Mesh. The installation of the LED and architectural wire mesh components, as well as the pre-installed power and control racks for the media façade, was carried out under the guidance of the HAVER & BOECKER technical team.

Practical and aesthetically pleasing

The chosen weave type DOGLA-TRIO 1030 is not only functional but also aesthetically attractive. During the day the semi-transparent surface of the stainless steel wire mesh creates an elegantly gleaming appearance in



The transparent media façade system IMAGIC WEAVE® transforms airport buildings, stadiums, shopping malls, skyscrapers and other large buildings with the latest LED technology into exciting transparent canvases for vibrant, large-scale communication. Photo: © HAVER & BOECKER

the sunshine. The woven wire mesh is virtually maintenance-free, easy to clean, non-flammable and also offers sun protection. The open structure of the wire mesh allows the required ventilation to the stairwells and

VIP-area to be maintained. The outdoor rated media façade system (IP67) offers various options for the challenging requirements of architects and owners, allowing individual large scale landscape media design.