

## MULTI-FUNCTIONAL COMPLEX “I PETALI DEL GIGLIO” – REGGIO EMILIA

The multi-screen CineStar complex has been recently inaugurated at the Multi-functional complex “Petali del Giglio”, being the latter a project aimed to re-qualify the complex of the Giglio Stadium in Reggio Emilia.

The realization consists in the erection of a central body, through which a multi-screen cinema and a commercial centre dedicated to sports and recreation are found.

Teleya built the entrance façade of the hall of the multi-screen cinema, being this the distinctive feature of the whole project, apart from traditional facades closing the alley situated under the stadium gallery.

The three main facades adopted a system consisting in point-supported glasses, that is, stainless steel castings shaped as “spiders” and punctual supports for the glasses called “rotules”.

More specifically the façade at the entrance has a curved shape in the horizontal section and the glasses are supported by a lattice steel structure of pylons and transversal connective elements. In the lower part of the façade four automatic doors with safety exits are included.

The overall effect of great brightness of the hall is obtained also with the contribution of traditional windows on the lateral walls, but mostly thanks to the large trapezoidal glazed roof, having a shaped character characterized by a tight curvature.



*Client Italcantieri  
Projet Point supported façade systems*



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The project has been completed in an extremely reduced timeline (almost four months), especially considering the complexity derived from inserting Teleya's structural facades within the concrete lateral structures that were calculated without taking into account the loads applied from the said facades.

Consequently it was necessary to design a self-bearing structure, all the same keeping it “slender”, to maintain the required transparency of the façade.

Moreover Teleya designed the auxiliary steelwork to stiffen and strengthen the floors on which the two minor facades are resting, since this was not sufficient to support the vertical loads transmitted from the pillars.

A subject of peculiar attention was the correct dimensioning of the lateral joints of the three facades: actually, because of the large flexibility of the roof and of the concrete floors, it has been necessary to design lateral dilatation joints up to 40 mm wide.

The installation too has been marked by a reduced timeline; more specifically Teleya installed all the products in approximately two months, often working during night time or in weekends in order not to interfere with the building site activities, especially for the installation of the glasses, being these of large size and considerably high weight.

