

LARISA – NEW STADIUM

DESCRIPTION

Steel structures of Larisa stadium roof are formed by couples of plane-truss cantilevers. Distance between the plane-trusses is 4.7m and the step of couples is $(9.4m+4.7m) = 14.1m$. Each couple of main trusses is internal braced and is connected in the joints of lower layer by transversal posts and diagonals.

Each North/South truss has a global length of about 24m and a cantilever length of about 13.5m. It has the internal support on a steel column (with transversal "X" bracing) and the external support on a concrete structure. The longitudinal distance between supports is about 7m.

Concrete structure and the transversally braced columns give the necessary restraints to horizontal actions.

Year: 2009 - 2010

Service provided: Structural preliminary, final and executive design.

Client: Larisa FC.

Amount of works: € 41.000.000.

