

VENEZIA – MARCO POLO STADIUM

DESCRIPTION

A football stadium with mobile roofing. The structural system of this roof is essentially formed by:

- main longitudinal arches with considerable span make up the main supporting structure.
- lateral roofing of the stands which cover the stand areas of the external border and the longitudinal arch; the type adopted for this structure is of circular configuration reticular beams, arranged in a radial manner.
- Central roofing with fixed and mobile panels, made of two types of structure: one fixed and the other mobile (corresponding to the football pitch area which is equal to about 90 x 110 metres); the type foreseen for this structure is reticular spatial with hot rolled open profiles; the driving mechanism is of particular importance for the movement of the roofing.

Roof covering made of pre-stressed material membrane system.

Service provided: Structural Design

Client: Mazzi S.p.a.

Year: 1999

Roof Surface: 42.000 mq

Free Span: 230 m

Amount of works: € 61.974.827,00

