

ATHENS – NEW AEK STADIUM

DESCRIPTION

The steel structures of the roof of AEK Stadium are composed by four Main Reticular Beams (MRBs or main trusses) parallel to the ground, suspended at the ends to the reinforced concrete Pylons.

Main truss span is about 132m (long main trusses) and 86m (short main trusses) length. Cross section has triangular shape with one upper straight chord and two curved lower chords. Height at mid span is 6.0m and 4.0m (referred to chords center lines). Lower chords are braced by transverse and diagonal elements.

Service provided: Preliminary, final and executive structural design of the roof structures

Client: AEK Atene football club

Year: 2017

Amount of works: € 130.000.000.

