

# ATHENS – OLYMPIAKOS FC STADIUM

## DESCRIPTION

The steel structure is composed of a stand on the highest level and its global roofing system which is supported by a 6.44 metre Reinforced Concrete element that surrounds the entire stadium.

The steel structure is essentially constructed with the following components:

- Step support beams, spaced with 6 metre constant pitch
- Structure of main roofing, consisting of 14 large cantilevers arranged on the same vertical plane of the step support beams; each cantilever is formed by a spatial reticular macro and balanced by a vertical pillar that reaches the ground.
- Secondary roofing structure, consisting of rectangular section beams arranged radially.
- Roofing membrane, constructed with panels, composed of polyester and highly resistant PVDF, double curvature and pre-stressed.

**Service provided:** Executive Structural Design

**Client:** Karaiskaki S.A.

**Year:** 2004

**Surface:** 32.000 m<sup>2</sup>

**Number of seats:** 34.000

**Amount of works:** € 60.000.000,00

