

Ankara Hippodrome, Turkey

Visible from afar, the textile roof construction that spans the arenas of the Ankara Hippodrome confidently establishes a historical connection to the cultural heritage of the nomadic and Beduin tribes. With five high points, the roof construction covers a total arena space of 7,900 squ.m. Each of these high-point constructions has a base of 54.8 x 30 meters and is "split into two halves" for static reasons, i.e., into a structure with a low high point, the free center rosette of which is crowned by a second smaller and steeper structure rising to the main high point. Five pendulously supported pylons form the supporting framework, from which four 54.8 m long pressure-absorbing pipes are suspended by steel cables. In addition, rope bracings stabilise the whole steel construction which projects 25 meters beyond the arenas. Since the ropes are anchored in ground foundations, only the four pylons project into the arena space, thus ensuring an optimum spectator view.



Projektdaten

Architekt / Architect	IPL, Radolfzell
Konstruktion / Construction	IPL, Radolfzell
Statik / Statical Calculation	IPL, Radolfzell
ÜGF / Covered Area	7.900 m ²
Baujahr / Year of Construction	1998