

## BOLOGNA – EXHIBITION HALL 18

### DESCRIPTION

The geometrical configuration of pavilion 18 in the layout is characterized by a central rectangular body (body C), with external dimensions of 100 metres according to the longitudinal axis (direction E-O) and 84 metres according to the transversal axis, in which body A is inserted (52m x 48m rectangular shape) on the east façade and body B (44m x 48m rectangular shape) corresponding with the north-west corner.

The structural-architectural project conception of central body C foresees the adoption of a main structural system formed by 4 statically independent spatial frameworks, arranged transversally at consistent 24 metre inter-axis.

The structural systems, thus formed, are all inter-connected in a longitudinal direction according to a Gerber type plan so as to be elastically and thermally correlated in order to minimize short-circuiting, the possible consequences of a structural collapse caused by unpredictable extreme accidental actions

**Service provided:** Structural Design

**Client:** Bologna Fair

**Year:** 2003

**Surface:** 43.000 m<sup>2</sup>

**Amount of works:** € 41.316.552

