

New Control Tower. Pamplona Airport

N.E.08006TWR

ORDER



Pamplona **Location**
Spain

INECO - AENA **Client**
1953 m2 **Area**

€4,500,000 **Budget**
(€1,150,000) (Structure and foundations)

Project check. Technical assistance to structural building works

Tasks undertaken

2008-2010 **Date**

Description

The control tower complex is made up of a series of rectangular shaped buildings separated by courtyards on the ground floor, containing office and technical dependencies. The tower section is located at the south west corner of the site. Foundations, designed in project using drilled piles, were changed during construction works to a mixed system, using caissons and driven piles. The floor structure is designed with concrete slabs. Slab thickness vary from 20cm to 40 cm depending on the spans. Columns are made of concrete and rectangular shaped.

The tower structure is made using two reinforced concrete diaphragm walls, 30cm thick, linked every 4 metres with 1.50 m concrete beams and concrete slabs. Emergency stairs and maintenance platforms are built along the perimeter using steel structure.

The hexagonal control zone structure is made of steel profiles with welded joints.

