

Technical assistance to the worksite for new control tower in Fuerteventura Airport



0602
Fuerteventura. Canary Islands. Spain

IDOM
4,200 m²
6,210,000 €
2,190,000 €

Structure and foundations, technical assistance to building works

2006-2008

JOB

P.O.

LOCATION

CLIENT

AREA / LENGTH

GLOBAL BUDGET
(OF THE TASKS UNDERTAKEN)

TASKS UNDERTAKEN

DATE

DESCRIPTION

STRUCTURAL DATA

Foundations:
Mat foundation under tower core. Strip footing under exterior walls

Structure:
Supporting walls made of white concrete with texturized surfaces. Complex geometry based on leaning and tabulated surfaces. Steel columns. Concrete slabs. Light steel structure in rooves and control area.

This new control tower is part of the expansion plans that AENA is carrying out at Fuerteventura airport.

The structure has been designed with supporting white concrete walls on the outside, including vertical, leaning and tabulated surfaces. The enclosure is supported by steel and concrete columns. The tower has a concrete core containing two elevators and utilities risers. The horizontal structure is made using concrete slabs. Auxiliary structures, such as rooves and the hexagonal control area room were designed with steel profiles.

The facade of the building has white supporting walls, whose outer surfaces were texturized using rubber molds on the formworks.

