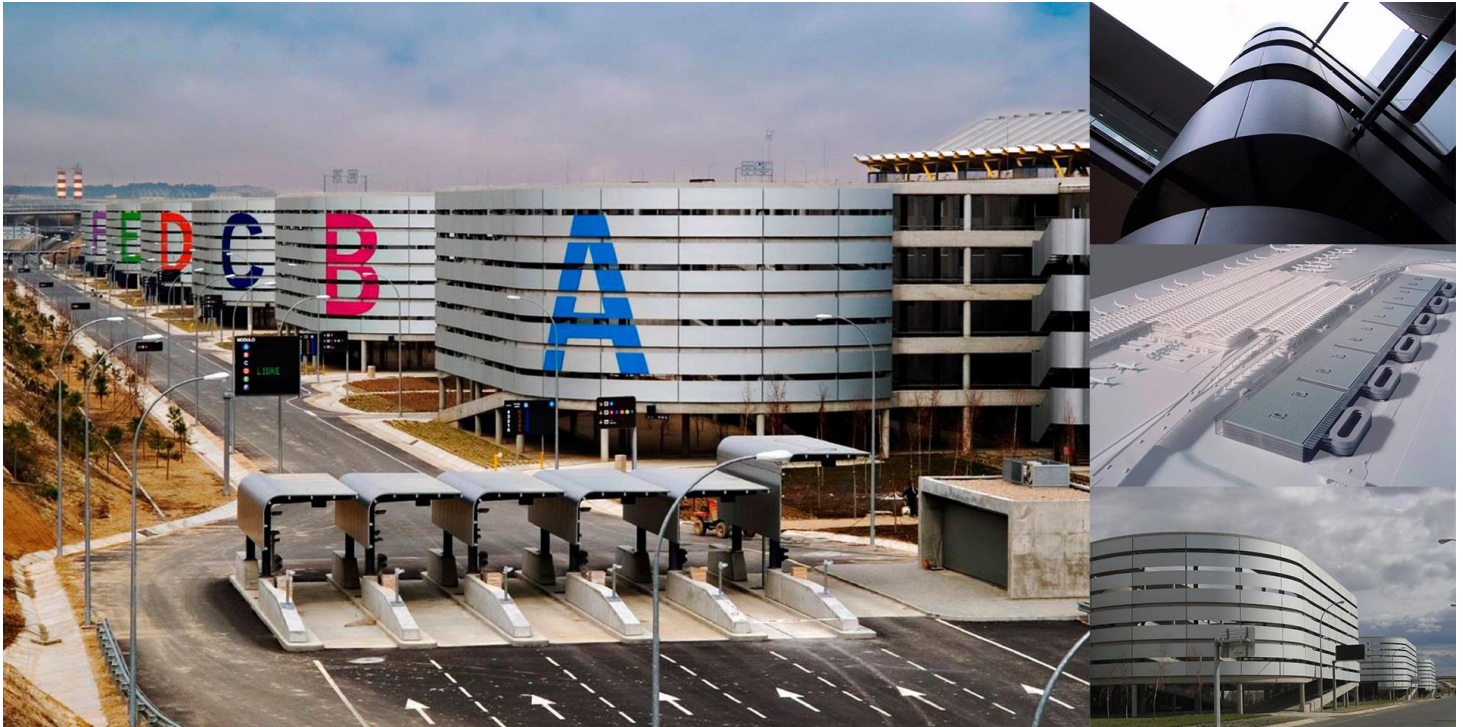


# Adolfo Suarez Airport Terminal 4 Car Park

Madrid, Spain / 2006

Structural type  
Owner  
Client  
Constructor  
Scope  
Architect

0.38 m deep reinforced concrete waffle slab, supported on an 8.0m x 8.0m grid of columns  
AENA  
Dragados  
dragados obras y proyectos  
detailed design and construction support  
Richard Rogers & Estudio Lamela



The car park building of the new terminal of Barajas Airport, of 656,40 x 80,00 m on plan and six levels, is divided into six modules of 112,00 x 80,00 m, without joints. Structurally, it is a 0,38 m deep reinforced concrete waffle slab, supported by a grid of columns of 8,00 x 8,00 m.

The high flexibility of these circular cross section columns of 0,50 m diameter improves the behaviour of this large structure. In order to avoid the duplication of columns between modules, the expansion joint is arranged in cantilever, providing vertical compatibility by means of dowels.



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