



Heathrow Airport T2A

London, UK / 2014

Structural type
Characteristics
Owner
Client
Constructor
Scope
Architect

steel structure with composite slabs. light roof with 18x18m span with a 'shark's tooth' shape and vierendeel trusswork solution
steel structure building. roof and façade are free of expansion joints
BAA
Ferrovial
Ferrovial & Laing O'Rourke
detailed design and construction support
Foster & Partners & Luis Vidal Asociados



The new T2A at Heathrow Airport (phase 1) completed its construction on June 4, 2014. It is a building that has been sized such that, in its final configuration, and together with T5 and the refurbished T3 and T4, will allow the airport to accommodate c.90 million passengers per year. As such, T2A will form part of a family of high quality facilities at Heathrow, the biggest airport in one of the world's greatest cities, London.

T2A is a 6 storey building comprising approximately 200.000 sqm of floor area (in phase 1), and upon completion of phase 2, will handle one third of the total passenger flow at Heathrow.

Conceptually it is a steel framed building, and its outstanding features are the undulating roof and clear lined hanging façades, both of which have been built joint-free comprising more than 200m long. Additionally, every element of the structure has been chosen bearing in mind the time-schedule, worksite and environmental conditions, each of them extremely tight in this case.

Fhecor Ingenieros Consultores has provided the full scope of professional services for the entire building, fully integrated within a complete team located in the project's office in Madrid and London, where Ferrovia Agroman put together a multi-disciplined design team which was responsible for the on-time delivery of the project.

luis vidal + architects were the concept and lead architects for Heathrow's new Terminal 2 and are collaborating with Pascall + Watson during the fit out phase. Foster + Partners were the Heathrow Airport master planners and the East terminal building concept architects during the initial project phase.



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