

Case Study

AN **idom** GROUP COMPANY

Project

Heathrow T2 Concourse A & Eastern Airside Access Road (EAAR)

Date

2010 - 2014

Client

HETCo JV (Laing O'Rourke/
Ferrovial Agroman)

Project value

£926M

Fees

£3.45m

Overview

Construction of the main terminal building and associated airside assets including passenger transfer structures (FLaNs), baggage transfer bridge, courtyard vertical circulation structures and the strategic road link from the terminal building across the Eastern Apron.

Working in a live airport environment, we had the further challenge of piling adjacent to - and over - the London Underground Piccadilly Line tunnels. Wall and Tunnel movements were monitored throughout.

Project Details

- Raft and piled foundations
- Concrete basement
- 220m x 200m steel superstructure, with 12 vertical service cores, in tandem with the composite floors plates
- 770m roadway, with 2 underpasses (100m & 130m long respectively) beneath taxiways
- Aircraft bridge decks, formed of pre-stressed, pre-cast concrete, working in composite with a structural concrete topping

Services Provided

- Civil & structural engineering design
- Geotechnical engineering
- Design & construction support
- Structural self assessment assurance
- Project CAD compliance service
- M&E services design
- Temporary works coordination
- 3D model fly-through



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