

Heathrow T2A

This was a high-profile project the size of more than eight football pitches at the heart of the world's busiest international city airport. The works posed significant logistical challenges of working in a highly complex and restricted site between the two runways and in the proximity of four other terminals. Demonstrating success and best practice was vital on a project widely perceived as representative of the nation. T2A was the world's first airport terminal to achieve a **BREEAM Excellent rating**, serving as an iconic gateway to Britain and helping to **meet Heathrow's aspirations for the 21st century.**



Heathrow
Airport (HAL)



£1bn



2008
- 2014



Design
& Build

We demolished existing buildings and designed, commissioned and constructed a new 60,000m² terminal building. We completed the entire T2A project with no disruption to airport operations or to the 334 million passengers who passed through Heathrow during the works. We set a new safety record for the UK, completing over 5.5 million consecutive hours without a RIDDOR accident.

In close collaboration with the airport operator, the Metropolitan Police and other security authorities, the landside/airside boundary was moved 15 times as part of our planning for phased construction outside airside environments as much as possible.

London Underground's Piccadilly line runs diagonally under the site at a depth of 8m, and we used sophisticated monitoring systems to ensure that ground movements due to our extensive excavation works remained within allowable tolerances. Our value engineering enabled us to eliminate most of the piles in the original design.

The new T2A is the result of years of planning, design and delivery to ensure operational readiness from day one. We finished the project safely, to the highest quality and on budget, leading to the terminal opening on time and to high customer satisfaction.



ADDED VALUE

- T2A became the UK's safest construction project – with 5.5 million consecutive RIDDOR-free hours
- 1st airport terminal in the world rated BREEAM Excellent – a fitting gateway to 21st century Britain
- 35,000 new construction jobs were created, of which 80% employed were local workforce, 45% above the proposed target
- 99% of materials from the old terminal building were recycled
- Over 50,000 deliveries to site were co-ordinated by our logistics team during the works
- T2A achieved 40% reduction in CO₂ emissions compared to the minimum requirement for a new building

“ The excellent work here reflects best practice in infrastructure delivery, progressing on time and to budget, working collaboratively with its suppliers. This is a great example of successful project management and delivery in the UK. ”

Lord Deighton

Former Commercial Secretary to the Treasury speaking of the T2A project

60,000m²

footprint – equivalent to more than eight football pitches

20 million

increase in passenger capacity per year

3,000

structural steelwork and M&E modules manufactured offsite

300 people

working within our design development team

4,000 operatives

at peak, 75 subcontractors and 200+ suppliers

334 million

passengers passed through Heathrow during construction without disruption