

Heathrow Q6 Framework – Delivery Integrator

The Q6 Capital works investment scheme focuses on asset replacement, **building airport resilience** and **improving passenger experience**. This dynamic multi-package programme requires our early involvement at preconstruction stage, ensuring stakeholder demands from regulators and airlines are met to **deliver customer value**. We are delivering works at the **world's second busiest airport**, prioritising operation activities in order to provide the best passenger experience.



Heathrow
Airport (HAL)



£500m



2014
– 2022



Design
& Build

As Delivery Integrator (DI), we engage with HAL early in the work package development phase to influence design, achieving efficiencies and ensuring safe buildability. The scope of works includes upgrading and reconfiguring aircraft stands and taxiways, concrete and asphalt surfacing, road rehabilitation, demolition works, diaphragm walls, major excavation & structural works or M&E packages. Each discrete work package is delivered under NEC 3 Option C contract.

We facilitate collaborative programme planning alongside HAL and three other DIs; maximised CAPEX efficiency through early contractor involvement (ECI), and designs for optimum, whole-life OPEX value.

We have delivered 14 Work Packages so far, including Bravo Taxiway realignment to cater for a new fleet of A380 aircraft, Terminal 3 Tunnel M&E Works in order to improve terminal heating system performance & resilience or Terminal 1 Stands, providing 5 new stands serving Terminal 2 operations. We are working on Kilo BOX, a tunnel connection for the baggage system between Terminals T2A and T2B, considered the major and most complex project currently delivered at Heathrow.

We manage multiple complex interfaces with existing operational infrastructure, other projects and diverse stakeholders, including regulators and airlines. Fluid collaboration and communication between all parties enables the team to work seamlessly as one organisation. We are also actively leading the implementation of HAL's Sustainable Growth agenda (Heathrow 2.0.), having launched initiatives such as a 100 % electric vehicle fleet, first hybrid excavator at the airport or implementation of the PAS2080 British Standard, the first standard in the construction industry for carbon management.



ADDED VALUE

- £45m in savings delivered overall through innovation and best practise as well as £11m in risk mitigation, making us the top performing contractor in the Q6 programme.
- 2.5 m hours RIDDOR free
- Collaboration with other contractors on the T2B stands contributed to industry-leading production rates of 2,600m³ PQC slipformed in a row and 780m³ hand-lay in a day – now used across the HAL Community
- We are working with industry leaders to develop a new concrete product for use at the airport, with very low shrinking, low temperature dependency and high compressive and flexural strength
- Use of drones to improve efficiency of the works and data accuracy



KAD T1 Team, what a great Christmas present and perfectly delivered. We have all of the asset documentation on the day of handover as well. It is what we expect but rarely done. A super effort from all of the team.



Edgar Vila-Pouca
Heathrow Delivery Director

5+3 year
Framework contract

14 Contracts
delivered under budget

Top performing
contractor in Q6

25,000m³
of concrete over 2018
and 2019

300,000m³
of excavation in the last
12 months

13 Stands
upgraded