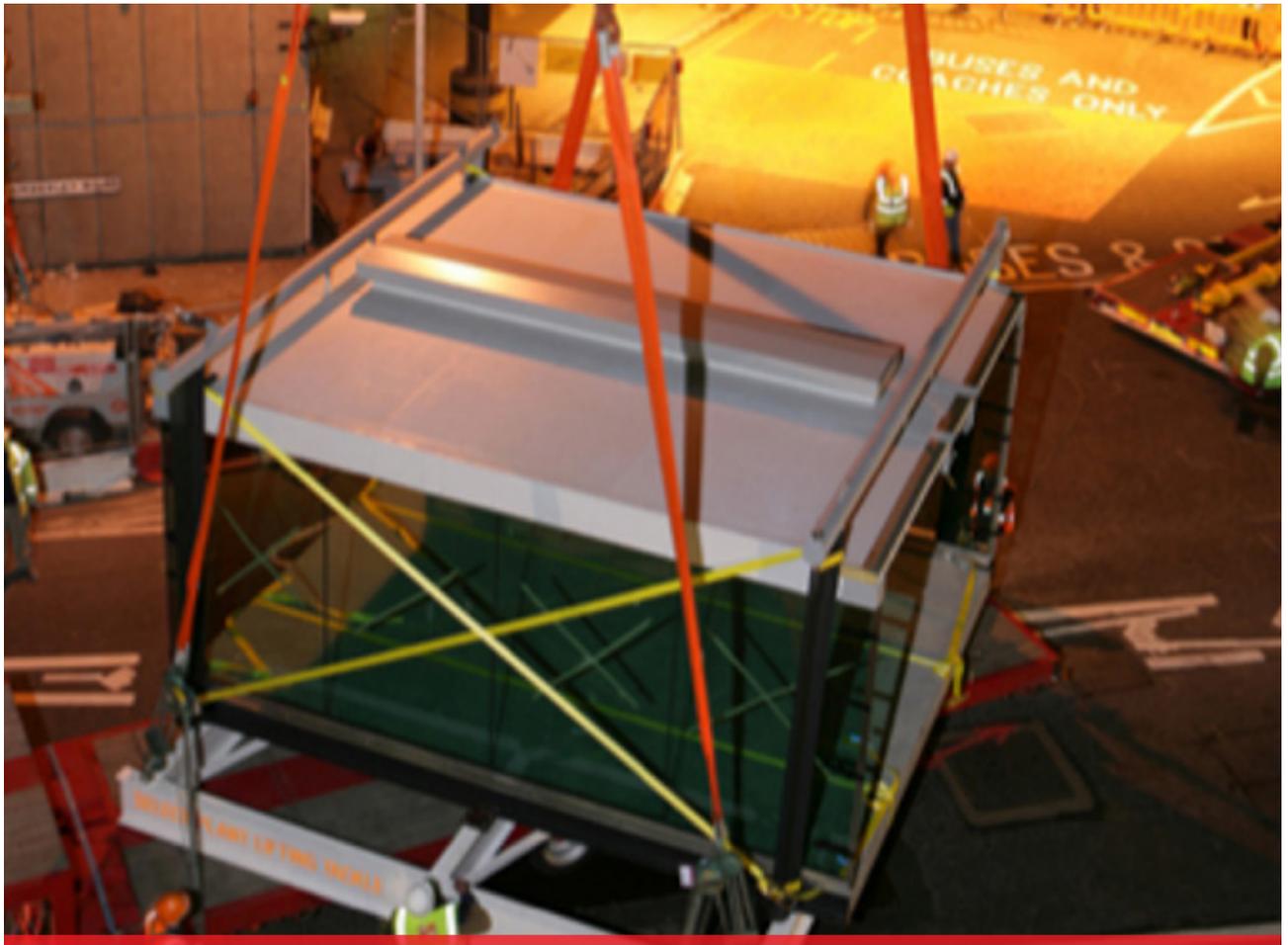


Project profile

London 'Sky Walk' Installation Heathrow Terminal 3



Client: BAA

Lift: Bridge Sections

We established complete control of the site ensuring a safe and successful operation for everyone.

Our role

To lift, place and connect the bridge sections of the Terminal 3 'Sky Walk' bridge with minimum impact on the airport.

Results

With complete control on site, we ensured the safe and successful lifting of the sections.

The 'Sky Walk' bridge in Terminal 3 at the Heathrow airport connects the terminal to the car park. Manufactured off site in sections, these had to be lifted in place and connected together to form the bridge.

The Challenge

All work had to be conducted with minimum disturbance to the airport and under strict airside working conditions. The sections were pre-fitted with the glazing windows and therefore no tolerance in bending was allowed.

Our approach

Prior to our arrival on site, we liaised with the airport authorities to establish control on site. We managed the traffic flowing under the bridge and diverted it during the lifting operations.

Using our in-house lifting capabilities with the experience of our lifting engineers and operatives, we were able to devise a lifting strategy that allocated the right cranes for the job. Our logistics division was also brought in to arrange for all the logistical challenges in transporting the sections to their final destination.

We designed, fabricated and tested a specialist frame for the lifting of the bridge sections. Our highly skilled labour took ownership of the site conditions. Through our training and qualifications, we secured the site and lifted the sections using two 200 tonne mobile cranes. With our own plant, we used mobile elevated working platforms to safely gain access to the lifted sections to bolt them together.

Delivering on our promise

With complete control on site, we ensured the safe and successful lifting of the sections. A method statement and risk assessment of the operations were produced by taking into account the strict airside working conditions, on which our fully trained operatives were briefed.

The work was carried out over night shifts to reduce the impact on the airport operations.

- Complete management of the logistics
- Design, fabrication and testing of a specialist lifting frame
- Working around our client requirements to ensure a successful and safe lifting operation