



OVER DECK CAR PARK GATWICK AIRPORT, SOUTH TERMINAL

As part of a framework agreement between Gatwick Airport and Galliford Try, Bourne Parking were appointed to design and build the above ground scope for the over decking of Gatwick South terminal's long stay parking Zones F and G. The single suspended deck car park provides an additional 1,126 car parking spaces and was built to assist with achieving Gatwick's objective of passenger growth. The project is our largest and fastest single deck car park to date, with 26,000m² erected in nine weeks.

The car park was constructed using our lightweight steel frame and precast Montex car park system. The project included six pedestrian stair towers and four pedestrian ramps, the latter of which were constructed with a bespoke precast system designed for this building. The perimeter of the deck and vehicular ramps were protected with our proprietary BourneBarrier system; which provides integral vehicular and pedestrian edge protection; and the stairs and pedestrian ramps were provided with handrailing and balustrading.

The project was logistically challenging, with all deliveries routed through Gatwick Airport's existing operational car parks. To achieve the ultra-fast track programme, we utilised four erection teams working concurrently. Furthermore, the construction methodology was heavily influenced by Civil Aviation Authority and Gatwick Airport standards, as the site was directly under the main aircraft approach route and adjacent to the end of the runway. The high-performance asphalt waterproofing system was also installed in record time, again using multiple teams working in tandem.

Market Sector: Aviation
Client: Gatwick Airport
Main Contractor: Galliford Try
Spaces: 1,126

info.bgp@bournegroup.ltd
0142588900
www.bournegroup.ltd