

**Project Profile: Hospitality**



Structural/Civil Engineering  
Traffic and Transport  
Highway Engineering

**Hotel LaTour,  
Milton Keynes**

**Hotel LaTour is a 15-storey hotel, which gave Scott White Hookins' structural and civil engineering team complex challenges including a 14m clear span with storeys above.**

**Client**  
Hotel LaTour

**Architect**  
pHp Architects

This £30 million 250 bed hotel development comprises of a 16 storeys with rooftop restaurant and conference facilities. The site is located on Marlborough Gate on the north-eastern edge of Central Milton Keynes and provides unprecedented views over Central Milton Keynes and Campbell Park.

Structurally, we designed a reinforced concrete frame with transfer structure up to the 3<sup>rd</sup> floor which also incorporates a basement and framing to accommodate the conference facilities. The next 10 storeys above the RC frame have been designed using precast concrete slabs and load-bearing precast walls. The top two storeys of structure for the restaurant and plant room are formed using a steel frame and support a rooftop building maintenance unit. Overall stability is principally provided by concrete walls in the stair and lift cores.

Challenges on this project included:

- 14m clear span over the main conference room supporting 12 storeys above.
- Site slope of 2.1m across the site leading to a stepped basement.
- Attenuation of surface water within a constrained site.

