



## Structural – Heathrow Air Traffic Control Tower



### Project details:

The new 87m high Air Traffic Control Tower consists of an 18 storey tubular steel mast and the equivalent of a 5-storey building on top (also known as the cab). The cab provides 360-degree vision over the Terminal 5 structure from a height of 82.5m above the apron.

Lyttag<sup>®</sup> lightweight concrete was employed to reduce the considerable weight of the structure (the mast, cab, trailers and temporary works have an all up weight of 910 tonne and a centre of gravity 16m above ground level). This part of the structure was constructed landside of the airport and transported, overnight, into its final position for the remaining parts of the structure to be assembled. The total weight of the structure, including the base building, is approx. 1500 tonne.

### Project:

Heathrow Air Traffic Control Tower

### Date:

2003 - 2006

### Client:

BAA Group

### Architect:

Rogers Stirk Harbour and Partners

### Structural Engineer:

ARUP

### Main Contractor:

Mace Group

### Readymix supplier:

London Concrete

