

Project Profile: Specialist Projects



Structural Engineering
Event Engineering

Take That,

SWH worked on a number of different structures for the Take That tour set. We were appointed by Total Solutions Ltd (TSL) to analyse and prepare calculations to Eurocodes (including BS EN 1999 Pt 1-1- Aluminium Structures) for a variety of different structures for the Take That III tour.

Client
Total Solutions

- Walkways, 2m wide and 34m long undulating from 0.6m to 3.8m high, including built-in trap door for performers access midway along.
- Two 5m x 11m Tiered Seating areas for over 30 performers. The structure was formed from a truss grid on 5 legs with a series of radial ladders supporting grating to give stepped flooring.
- Two types of tilting Pylons (9m tall Inner and 7m tall outer) supporting over 60 lamps each and leaning over by 20 degrees. These comprised of bespoke tapering structural frameworks.
- A flown circular 'Sun' framework prop with a performer inside of it, externally covered in copper LED product and Integrated pyrotechnics.

