



PROJECT PROFILE - MANCHESTER CENTRAL

STAGING, RIGGING & LIFTING CONTROL PACKAGE COMMISSIONED FOR USE IN A GRADE II LISTED HALL

HOISTS / TRACK / WINCHES / JACKS / PULLEYS - ALL IN ONE PLACE



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Lift Turn Move Ltd (LTM) a leading specialist in supplying innovative and user friendly rigging systems, and Litestructures, one of the leading specialists in creative aluminium structures were commissioned to supply a staging, rigging and lifting/control package to Manchester Central Convention Complex as part of the venue's £20 million redevelopment programme.

Manchester Central is one of the UK's most iconic and popular venues and the redevelopment has centred on creating a new and extended foyer area to the iconic Grade II listed Central Hall. The redevelopment is allied to infrastructure improvements to provide further cohesion to the venue's facilities, adding value to clients and to the venue's appeal as one of the UK's major convention and exhibition complexes. Key to the Central Hall space development was the implementation of improvements to facilitate the staging of exhibition, conference and gala functions.

The rigging package consisted of over 240m of Litestructures LitePro 520mm trusses, orientated in 6 longitudinal runs down the hall space. These runs can be operated independently for local rigging, or joined laterally using LitePro 290mm spreader trusses, to create a versatile rigging grid.

Litestructures worked with Lift Turn Move (LTM) to specify a computerised hoisting system, with the aim of minimizing working at height within the Central Hall. Utilising 54 LTM LoadGuard 1000kg chain hoists to BS7906: Part 1- Category A standard, the hoists allow the grid to move to a number of positions within the hall, without the need for secondary restraint when rigged.

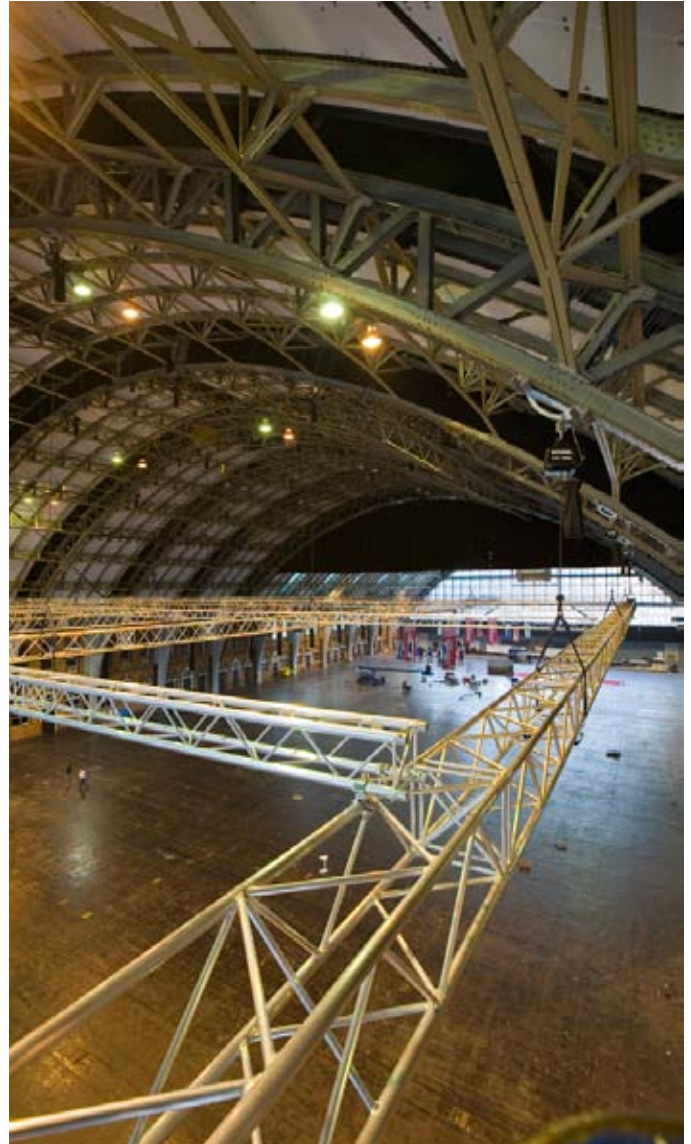
The hoists are located to allow 2 grids to be used within the hall. The Conference Grid uses 36 Loadguard Hoists in 6 lines of 6, the Gala Grid has 18 hoists rigged in 6 lines of 3.

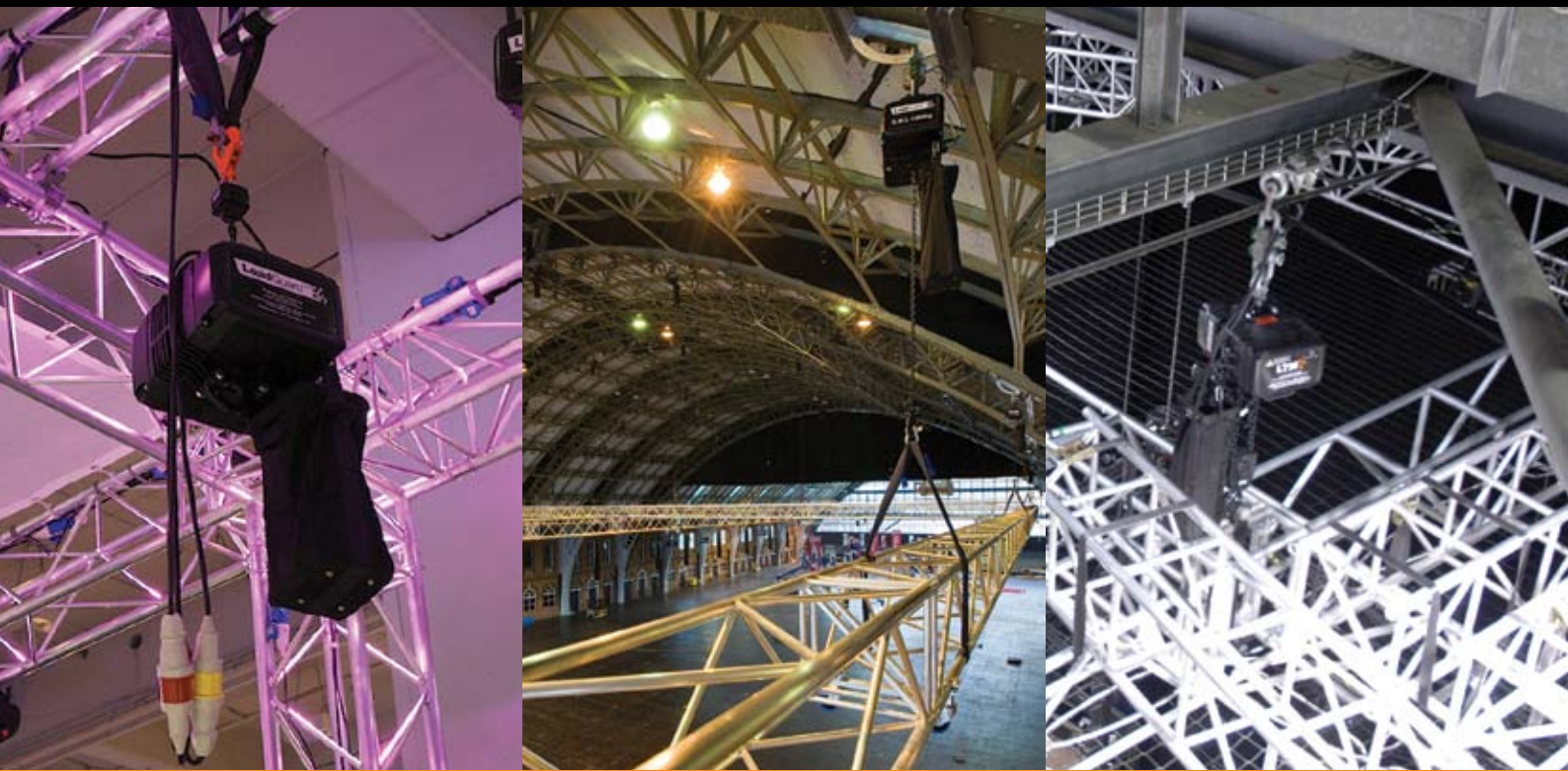
Separate wheelable flight cased control systems are utilised for each which allows the system to retain memory of previous shows, loadings and positions.

The control system utilises an LTM configured IBEX positional control and integrated load monitoring system on all hoist locations creating a reliable user interface to embrace the many and varied requirements of users of Manchester Central.

Cabling and mounting infrastructure was installed throughout by Alternative Access, utilising a combination of IRATA abseiling and powered access machinery, in direct liaison with the venue management and electrical contractors.

Following the tender procedures and extensive design consultation, the manufacture and installation of the systems was completed in a period of just 8 weeks. Handover of the systems was completed with complete user documentation, aimed specifically at ensuring safe and productive use of this cutting edge venue infrastructure, now and in the future.





HOISTS / CONTROL / SUPPORT - ALL IN ONE PLACE



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