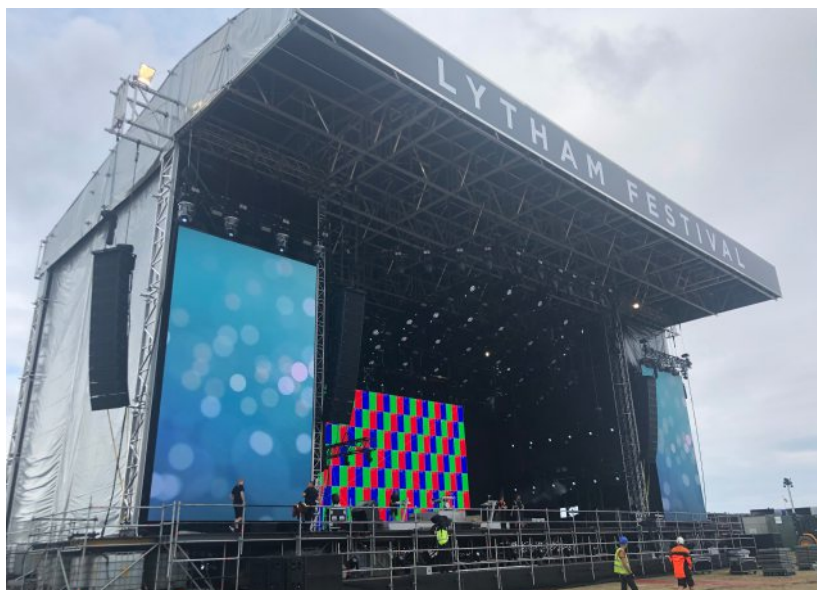


Roofs Mega Hydraulic

TOTAL
FABRICATIONS



The Mega Hydraulic Roof, from TSG, is quantum leap in the design of temporary demountable roof systems. The roof uses the much-vaunted TSG Mega Arch Ladder system to create the main grid. The whole grid is elevated into the air via an in-house designed hydraulic lifting system, a huge departure from the traditional self-climbing truss tower. The design is such that the system can accommodate colossal loading capacity with a simple and quick build putting you at the cutting edge of event technology.

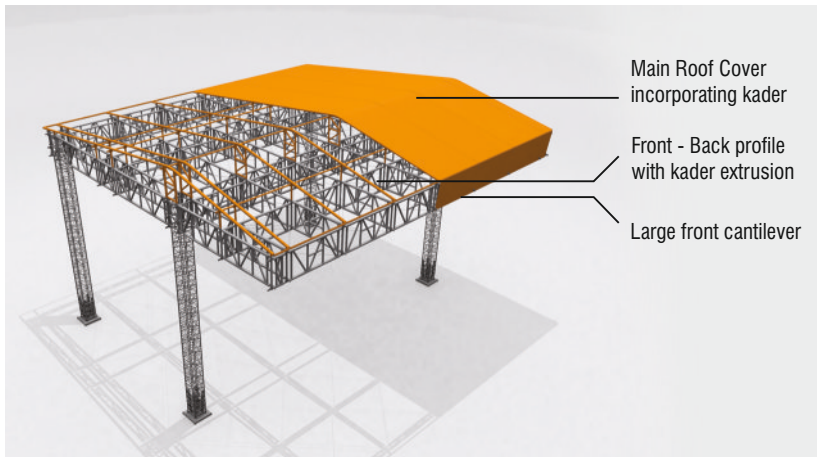
Highlights of the Mega Hydraulic systems are such,

- A 22mt high tower will pack into a single 2.4mt x 1.2mt dolly.
- No secondary operation to lift towers
- Towers build as you lift.
- System has individual or complete system control with full safety systems and is fully CE marked.
- Modular and expandable control system.
- RAMS have a 12 tonne lifting capacity.

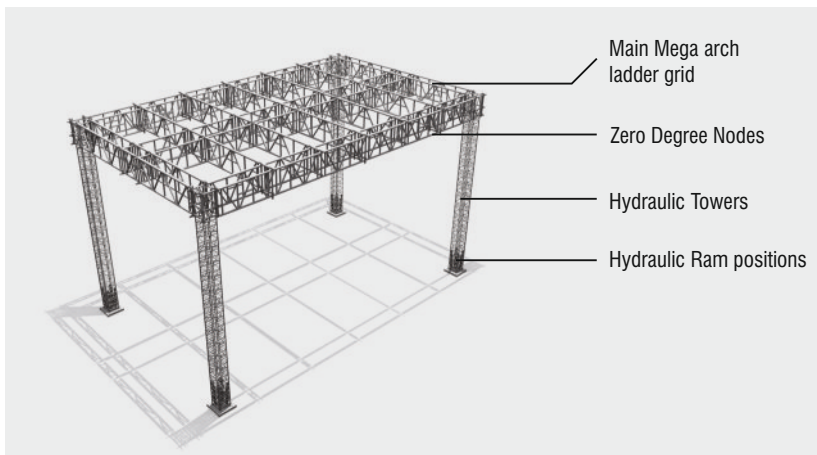
Roofs Mega Hydraulic



MEGA ARCH CANOPY



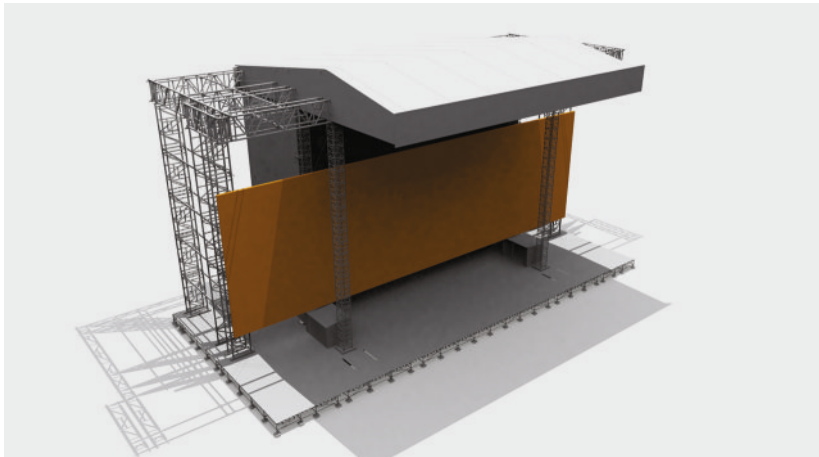
MEGA ARCH GRID ONLY



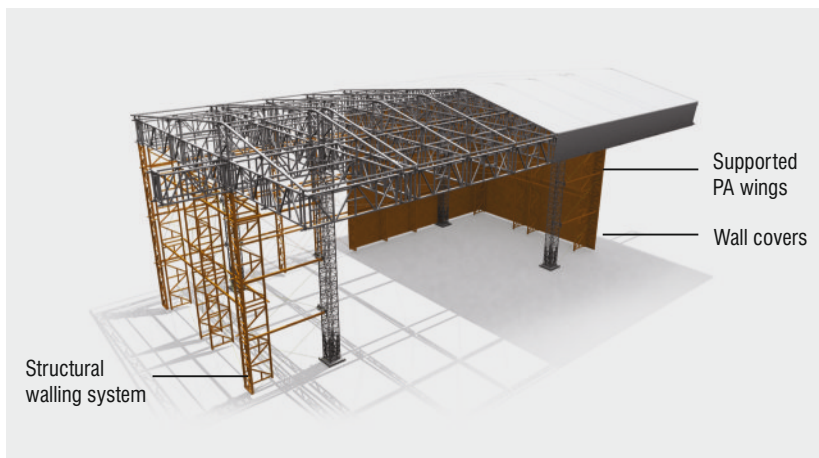
Roofs Mega Hydraulic



MEGA ARCH WITH PA WINGS



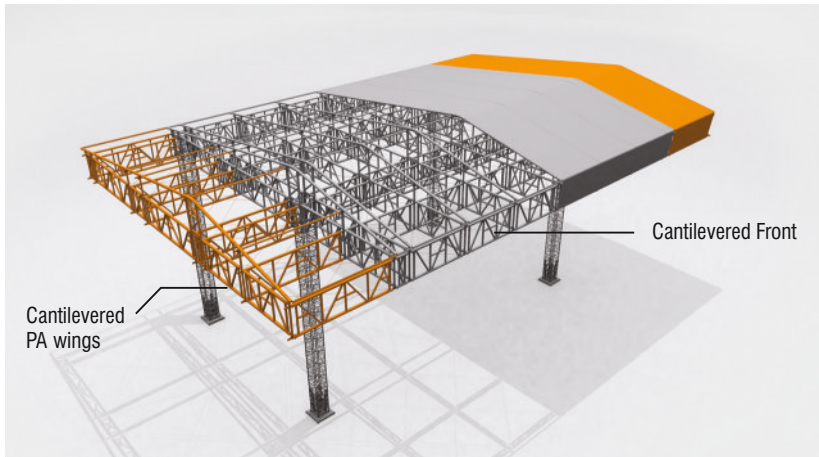
MEGA ARCH WITH COVERED PA WINGS AND SIDE WALL SYSTEM



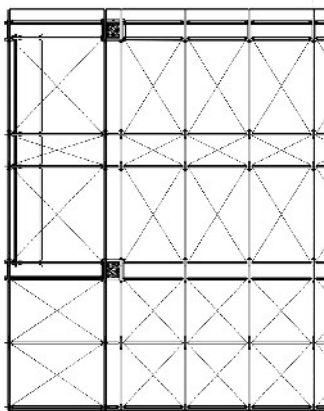
Roofs Mega Hydraulic



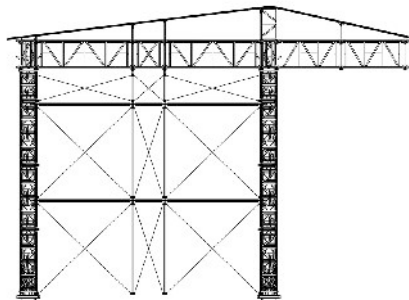
MEGA ARCH WITH FRONT AND SIDE CANTILEVERS



CL



Half Plan View



Side Elevation

Roofs Mega Hydraulic



Material Specifications

Mast Type:	Various
Material Specifications:	EN AW-6082 T6
Fixings	Fork End : TFT pins & R3 Clips
Roof Capacity	Nominal 30,000kgs - 70,000kgs
Available Widths	18mts - 36mts
Max. Trim Height	20mts *
Kader Profile?	Yes
PA Wings Available?	Yes - Option
Wall System Available?	Yes - Option

Available Options - Towers

Hydraulic Towers	Max. Recommend Roof Trim Height	18 m
------------------	---------------------------------	------

Available Options - Grid Truss

TSG Mega Arch	Max. Recommend Roof Width	36 m
---------------	---------------------------	------

Design Specification

Manufactured in accordance with

BS EN 1090-3:2008 : Technical Requirements for aluminium structures

EN ISO 9001:2015 : Quality management systems

BS EN 1999 Pt 1-1 : Design of Aluminium Structures, General structural rules

EN17115: Entertainment Technology : Specifications for design, manufacture of aluminium and steel trusses and towers

- All loads are given in Kilograms
- Allowance has been made for self-weight of truss
- The payload of the Roof has been calculated as a permanent action. Should it be necessary to consider the payload as a variable action, the tabulated figures should be reduced to 90% of the given values

* NOTE: Specialist Tower heights of more than 20mts can be designed