

Chimney & Shaft Access Platforms (Internal)



The 200M high chimney at Eggborough power station are constructed with four internal flues.

Each of the four flues required inspection and maintenance work to be carried out.

ALPS were asked to design and supply a special steel truss frame access platform that could be hand carried into position and quickly assembled in an annular configuration.

ALPS supplied their standard 3D steel Truss Frame system powered by three on board 1000Kg manriding hoists, these in turn protected by three independent safety devises, i.e. a six rope suspended access system.



The suspended access platform is hand carried in component form to the base of the stack where, using 1.22m sq and angled sections it is quickly assembled to the required diameter using top links and lower cords. The man-riding hoists and safety devises are then added.

Each hoist is protected by an independent safety devise i.e. a 6 rope system, each rope with its own upper and lower termination.

Full perimeter guard rails, toes boards and knee bar are integral to the system.

Floor panels can be ply form or alloy checker plate or GRP.

Platform capacity is dependant in the hoist chosen for the application, these typically 1000Kg or 3000Kg hoists

The platforms vertical speed is between 6 & 9M min' dependant on the specific hoist.

All suspension system are designed for the application.



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