

Test tower 19m testing facility

Lift, load and drop testing is necessary across a wide range of industries including theatre, construction, road safety, defence, aerospace, nuclear, mining and offshore rigging. Thorough safety testing and understanding the potential dangers and physical consequences of lifting and loading in the workplace can help businesses create a safer working environment and achieve various requirements and standards for their products such as health and safety legislation, ISO and LOLER.

Stage Technologies and Delstar Engineering have a long history in high quality engineering research, industrial and bespoke mechanical manufacturing and technical support. Our range of engineering solutions extends to the use of a 19-metre test facility and related services in Suffolk, which is one of the few such operational towers in the country available for hire at affordable rates. The purpose-built tower is designed to accommodate testing with suspended loads and other similar experiments and is also ideal for safety equipment testing, working at heights and rope access training.



Key features

- Weatherproof construction with insulated cabin at top of tower
- Lights, power and data feeds to cabin from test office
- Testing foundations are intended to handle a wide range of lifting and load stress tests
- Full stair access from within the building allows operators to reach the cabin safe zone without passing through the drop zone
- Cabin split into 2 areas:
 - operator safe zone with handrail
 - test area with modular removable floor panels
- 19m working stroke is available with a drop space envelope of 4.9m x 1.7m
- Chainhoist available for lifting goods/equipment to cabin test area
- Test weights available on request:
 - water-filled bag for up to 2000kg load
 - metal test weights/cages

Key services

- Compulsory site safety and tower induction briefing
- Recording options for logging experimental data include:
 - Multi-channel GRAPHTEC GL900 midi logger
 - Shear beam and inline load cells available
 - Tensators/draw-line encoders for secondary positioning
 - Sound level meters
- Fork lift loading and unloading with qualified operators available on site
- Dedicated indoor office available situated in adjoining building
- Technical assistance

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