

Another Sky Climber Reference!

Cyclone Boiler, Turkey



- DIVISION:** Sky Climber BMU & PI Division
- PROJECT NAME:** Cyclone Boiler, Turkey
- APPLICATION:** Special Telescopic Platform for access to Cyclone Boiler

The Sky Climber suspended platform was used during the renovation of the refractory surfaces on the sides and ceiling of a Cyclone boiler.

The Sky Climber system consists of the following parts: Rolling external suspension rig that allowed the platform to rotate 360 deg., internal suspension beam and double-telescopic platform.

The challenge was to design a platform that could cope with the following requirements:

- All parts to be brought into the boiler through a manhole 500mmx500mm
- Internal suspension beam not allowed to damage the refractory surface on the ceiling
- Assemble and launch the platform in the boiler
- Platform to collapse/extend in flight from Ø 2.4m to Ø 5.9m

The end of the platform is especially wide (1.3m) to allow two workers with all their safety gear to stand comfortably side-by-side at the end of the telescopic section of platform. The handrails are rounded and designed to avoid damaging the refractory coating of the cyclone boiler.

The platform was designed according to European Norm EN1808 and had the required interlocks to only allow motion of the platform when the telescopic sections were retracted in a safe position.

Type of Platform	Special designed double-telescopic
Length of cradle	2.0-3.0m L x 1.3m W x 1.0m H
Cradle rated load	240 kg
No. of persons	2
Type of Hoist	Alpha 800kg
Safety Features	Sky Lock overspeed safety device, Top Limit Switch, overload detection, telescopic interlock
Norms	EN1808