

**CUSTOMER:** Mitsubishi Hitachi Power Systems Africa  
**PROJECT NAME:** Kusile Power Station  
**APPLICATION:** Installation of Boiler House Sheeting

## PROJECT DESCRIPTION

Kusile Power Station in Mpumalanga is a green fields power station project consisting of 6 x 800 megawatt coal-fired generating units for a total generating capacity of 4,800 megawatts.

This custom 7-tier suspended platform with a rated load of 800kg (or 90kg per tier) and powered by 2 x Alpha 800 hoists was designed to give the sheeting contractor a safe and efficient means of installing the cladding on Kusile's huge boiler houses which reach 108m in height.

The 7-Tier platform was suspended from a trolley and monorail system allowing the operator to move the platform both horizontally and vertically using a pendant control. The design incorporated a custom rig to lift the cladding into position. Using a Compact this top rig moved both vertically and horizontally allowing each individual sheet to be positioned quickly and accurately significantly increasing the contractors' productivity on the job.

Vertical Run	90 m
Type of Platform	Custom 7-Tier Platform
Rated Load	800kg – 7 persons(90kg per tier)
Type of Hoist	2 x Alpha 800 (7-Tier) and 1 x Compact 400 (Material Hoist)
Standards	SANS 51808, SANS 10295-2, SANS 10162-1
Type of Suspension System	Monorail

