

**CUSTOMER:** Stefanutti Stocks  
**PROJECT NAME:** Sasol Synfuels Stack 2 West, Flue 4  
**APPLICATION:** Internal Cleaning of Clinkers and Concrete Repairs

## PROJECT DESCRIPTION

This custom circular platform was designed and fabricated for Stefanutti Stocks to carry out the internal removal of clinkers and subsequent concrete repair of Sasol Synfuels Flue 4 in Secunda, Mpumalanga Province.

The platform was designed to be lifted to the top of the stack in eight individual sections and taken into the flue through a 900mm x 600mm opening. Each section had an Alpha 800 hoist attached and was suspended independently from beams and slings. Once in position the eight sections were joined to form a circular platform. The nature of the work required the platform to articulate and this was achieved by a series of pin joints. Clevis joints were installed to prevent the sections articulating more than 3 degrees.

The platform was installed by the contractor assisted by SkyJacks technicians and the work was carried out during a shutdown period of two weeks.

Vertical Run	220 m
Type of Platform	6.0m Custom Circular Platform
Rated Load	1,400kg – 9 persons
Type of Hoist	8 x Alpha 800
Standards	SANS 51808, SANS 10295-2, SANS 10162-1
Type of Suspension System	Beams and slings



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