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Case Study

Cleveland Completes Refurbishment of Victoria Wharf Chute Plymouth, UK

Customer	Victoria Wharf	Location	Plymouth, UK
Date	November 2014	Material handled	Kaolin
Application	Ship Loader	Loading rate	500 tonnes per hour
Chute Type	900S Series	Chute Length	11.5 metres

VICTORIA WHARF

At the end of November, Cleveland Cascades commissioning engineers were invited to Victoria Wharf in Plymouth, UK, to complete a refurbishment and re-commission of their Ship loader that handles Kaolin. Earlier in the year, the Chute had been damaged as a result of a collision with a truck, and a number of spare parts were required to rebuild the system.

Originally manufactured, supplied and commissioned in 2003, the Chute is fitted to a mobile luffing boom and is used to load Kaolin at rates of 350 to 550 tonnes per hour into ships and occasionally trucks.

The rebuild consisted of a new outer Shroud assembly, new Cone Support Strops, Ropes, complete Skirt Assembly and a change-out from Vibration Probes to Paddle Probes for Material Detection. The probes were changed as a result of the existing probes needing regular cleaning to prevent build-up of material. The rotary paddles, due to their operation, reduce the material build-up which allows for much smoother, quicker loading processes.



The Ship Loading Chute is used to load kaolin and is capable of loading at rates of up to 500tph



The chute is fitted to a small mobile loader, and utilises our standard skirted outlet for excellent dust control during loading.