



## PETROLEUM COKE HANDLING SYSTEM

CLIENT - Foster Wheeler  
LOCATION - Jose, Venezuela  
COMPLETED - October 2004

### DESCRIPTION

Matrix PDM Engineering designed, procured, fabricated, erected, and commissioned material handling systems to handle petroleum coke for Foster Wheeler, USA. Transported product is extremely hot, so all equipment contacting material, including conveyor belting, is rated 200o F.

The reclaim conveyor transfers onto an inclined conveyor for delivery of petroleum coke into the crushing station. Material discharged from the incline conveyors has passed under an in-line magnet that removes tramp metal from the system. Petroleum coke then passes through a grizzly, where oversized material passes through a double-roll crusher.

Both fines and crushed product are fed into a surge bin, where a vibrating feeder controls the flow of material onto an overland conveyor mounted within an enclosed gallery. This conveyor is inclined sufficiently to pass over in-plant roadways. It then declines into a tunnel for passage under a major highway outside the plant grounds. The head end of the conveyor inclines again for delivery of the petroleum coke to the stockpile via a conveyor system.

**FOR MORE INFORMATION:**  
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