

Wet Limestone Desulphurization Plant (WFGD) – Kusile Power Station



Scope of Work

Engineering, Supply & Install for Lighting Protection, Earthing, Lights & Small Power and Instrumentation.



Location	South Africa
Client	Alstom
Project Type	Electrical – Engineering, Supply & Install
Value	R 30 674 756.80 Million
Duration	30 Months
Complete Date	October 2018

Project Overall Description

The Kusile power station project, which is located near existing Kendal power station, will comprise six units, each rated at an 800MW installed capacity for total capacity of 4800 MW. Once completed, Kusile will be the fourth-largest coal-fired power station in the world. The Power Station will be the first in South Africa to install flue-gas desulphurisation (FGD) – a state-of-the-art technology used to remove oxides of sulphur, such as sulphur dioxide, from exhaust flue gases in power plants that burn coal or oil. This technology, in line with current international practice, to ensure compliance with air-quality standards, especially since the power station is located in a priority air shed area. The FGD plant is a totally integrated chemical plant using limestone as feedstock and producing gypsum as a by-product. Each supercritical tower boiler (highly efficient) will be about 115m high. The contract for the Controls & Instrumentation on the Kusile Power Station WFGD, includes