

Cloudbreak Mine Site, Western Australia

CUSTOMER: Contract Power (for FMG), Bucyrus, LeTourneau

LOCATION: Pilbara, Western Australia

DESCRIPTION: Penske Power Systems supplies the engines used for the mine's dedicated 30 MW power station and has partnered with OEMs Bucyrus & LeTourneau to provide diesel engines for their haul trucks, loaders and dozers

OPERATIONAL DATE: 2007



Fortescue's flagship mine site, Cloudbreak, is a round the clock iron ore operation that requires reliable and durable sources of power. That's why Penske Power Systems was chosen to provide a range of products to meet Cloudbreak's power requirements – including engines for generator sets, haul trucks, loaders and dozers. With dedicated technicians onsite providing unparalleled aftersales support, Penske Power Systems is the supplier of choice for the mining industry.

CONFIGURATION

Penske Power Systems has supplied 18 MTU 20V 4000 engines for Cloudbreak's dedicated power station. The station generates 30 MW and replaces all grid requirements. Power generated by the station is used for buildings, workshops, employee facilities and day-to-day operations.

A range of vehicles and mining equipment powered by MTU engines are also in operation at Cloudbreak. Penske Power Systems has partnered with OEMs Bucyrus and LeTourneau to power the haul trucks, loaders and dozers used onsite.

FEATURES

German engineered by leading manufacturer MTU, the Series 4000 engine offers impressively low fuel consumption and long service intervals. Featuring low emissions, low vibration properties, high stability and frequency, plus ease of maintenance – the Series 4000 is ideal for the extreme conditions and continuous operation.

The Series 2000 engine is at the top of its class with regard to power-weight ratio. It features high performance turbocharging, long life cycles, high reliability, superior fuel economy and reduced cost of operation – making it a popular engine in the mining industry.

MODEL SPECIFICATIONS

1 x MTU 16V 4000 engine for LeTourneau L1850 loader

4 x MTU 16V 2000 engines for LeTourneau L950 loaders and D950 dozers

18 x MTU 20V 4000 engines for Cloudbreak's dedicated 30 MW power station

22 x MTU 12V 4000 engines for Bucyrus MT 3700 haul trucks

ABOUT CONTRACT POWER, BUCYRUS & LETOURNEAU

The Contract Power Group of Companies build, own and operate power stations. They have a long association with the mining and energy sectors around the globe.

Bucyrus International, Inc. is a world leader in the design and manufacture of high productivity mining equipment for surface and underground mining.

LeTourneau Technologies designs, builds and supports drilling and mining equipment.

For more information contact our Power Generation team on 1300 688 338.