

Sino Iron Project, Western Australia

CUSTOMER:

Citic Pacific, Bucyrus, LeTourneau

LOCATION:

Cape Preston, Western Australia

DESCRIPTION:

Penske Power Systems is supplying a comprehensive range of products crucial to the mine's operation including power generation systems and engines used in mining equipment. Dedicated Penske Power Systems technicians are supporting the trucks onsite

OPERATIONAL DATE: 2009


Penske Power Systems is the driving force behind Citic Pacific's Sino Iron Project – supplying prime power to the construction village, as well as engines to power equipment crucial to the mine's operation. Located at Cape Preston in Western Australia's Pilbara region, the project is a large-scale magnetite iron ore project. Once operational, it will be one of the world's largest mines – processing 27.6 million tonnes of a mix of magnetite pellets and concentrate per year, with an expected project life of 25 years.

CONFIGURATION

Penske Power Systems supplied Citic Pacific with an MTU Onsite Energy solution to power the construction village at the Sino Iron Ore Project.

The solution includes eight generator sets powered by MTU 18V 2000 diesel engines. A management system completes the generator set and provides comprehensive monitoring of the entire package.

The generator sets will supply prime power to the village.

Penske Power Systems' engines are also the first choice for much of the equipment used on the mine site, powering LeTourneau and Bucyrus haul trucks, loaders and dozers. The popular Series 4000 engine is designed specifically for the mining industry and sets the standard for safety with a new approach to thermal protection: greatly reducing the risk of fire and resulting in a shorter engine cool down cycle.

With Penske Power Systems fitters onsite to provide support and service for the trucks in operation, Citic Pacific receives unparalleled aftersales support.

FEATURES

Penske Power Systems' engines were chosen for their reliability, low fuel consumption, low emissions, long service life intervals and integrated accessories.

With optimum operating characteristics including low vibration properties, automatic engine protection, outstanding load response and high stability of speed and frequency – MTU engines can withstand the harshest of environments.

MODEL SPECIFICATIONS

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

6 x MTU 16V 4000 engines for Bucyrus MT4400 haul trucks & LeTourneau L2350 loaders

8 x 18V 2000 diesel power systems for prime power to the village

14 x MTU 20V 4000 engines for Bucyrus MT6300 haul trucks, 11 currently in service

10 x MTU 12V 4000 engines for Bucyrus MT3300 water, haul and service trucks

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