

# 7.5MVA POWER STATION

**MECHANICAL  
ELECTRICAL  
CIVIL**  
TYPE

**PILBARA , WA**  
LOCATION

**12**  
PERSONNEL

## ABOUT THE PROJECT

Silverstone was engaged to upgrade a critical power station in the Goldfields Region, ensuring reliable power for processing infrastructure. The project involved the installation of an additional 1250kVA generator, the replacement of five 1250kVA generators, and the installation of a new fuel pump skid. Throughout the works, the power station maintained a minimum of six generators on standby to support operations in case of grid supply curtailment.

## SCOPE

- ◆ **Installation and replacement of generators:** Installed an additional 1250kVA generator, along with new cable ladders, power, control, and communication cables, and fuel piping. Replaced five existing 1250kVA generators, including removal, installation, and full reconnection of all systems.
- ◆ **Installation of fuel pump skid:** Earthworks and installation of power, control, and earthing cables, pre-cast concrete supports, and conduits. Disconnection of the old system and commissioning of the new skid.
- ◆ **Commissioning:** Tuning of speed controllers and AVR's. Fuel call-out logic, generator synchronization, and load testing using mine loads.

## OUTCOME

Silverstone delivered a seamless upgrade, ensuring operational reliability and efficiency, while supporting the critical infrastructure of the power station.