



AERISON CASE STUDY

ACOUSTIC TREATMENTS & POWER GENERATION

Aerison provide a range of acoustic treatment options for the packaging of diesel or gas driven generators. From a defined scope of operational requirements, we can custom engineer a package to house generators and incorporate a range of ancillary equipment and provide a stand alone power generation package. It is this flexibility that sets us apart from our competitors. Aerison's range of composite shell panel designs or acoustically lagged ISO containers house the generators to provide sufficient attenuation of the mechanical noise during normal operation. Acoustic treatment of the ventilation openings and engine exhaust system with specifically engineered products maintain the acoustic integrity of the packages. Design of ventilation systems through packages ensure internal temperatures are kept sufficiently low enough to avoid de rating of the packaged equipment.

Aerison custom built power generation packages can be fully fitted out to clients' specifications with the inclusion of fuel and oil tanks, small power and lighting; fire detection and suppression systems, internal lifting beams and large maintenance access doors. The listing of case studies below is a representative sample of the works completed since the company inception in 1988.



Project Gorgon Project
Location Barrow Island, Western Australia
Client EPSA - Chevron

Key Feature: Packaging 3 off CAT diesel generators for the Essential Power on barrow Island. Noise levels to be <85dB(A) @ 1m. Scope of works included 24hr Integral base fuel tanks, forced ventilation systems and engine exhaust muffler.



Project Emergency Power Generator
Location Karratha, Western Australia
Client EPSA - Rio Tinto

Key Feature: Packaged CAT C32 generator into a 20 foot container for use as mine site emergency power. Package to be operational during cyclonic conditions with a 1,000L fuel tank capacity.

AERISON Pty Ltd

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We provide world-class technology to reduce the impact of industry on the environment.



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Project
Location
Client

Gorgon Project
Barrow Island, Western Australia
Advanced Power – Chevron

Key Feature: Packaging 12 off MTUDDA 20V4000 G03 diesel generators to achieve <82dB(A) @ 1m for the Temporary Power Station. Scope of works included supply of fuel and oil tanks, with integral base frame and lifting from common point and ventilation systems.



Project
Location
Client

Hewlett Packard Data Centre
Sydney, NSW
MTUDDA

Key Feature: Packaging 5 off MTUDDA 20V4000 G23 diesel generators inside a custom engineered 40ft container to achieve <82dB(A) @ 1m for Standby power. Scope of works included a 20,000L diesel fuel tank configured underneath the generator package.

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