

**GCS**

ACOUSTICS

Design Engineer

Manufacture Install

# Modular demountable Enclosures



**GCS ACOUSTICS** manufacture cost effective modular acoustic panel enclosures to reduce or eliminate the noise produced by generators, equipment and machinery.

Applications include the enclosure of steam and gas turbines and of noisy machinery in a factory environment. In many cases this noise is a health and safety issue where workers need to be shielded from the plant to protect their hearing.

**GCS ACOUSTICS** panel enclosures are modular and suitable for indoor and outdoor applications. They can be easily assembled to exactly enclose the noise making equipment. Because of the unique panel arrangement these enclosures can be dismantled and relocated easily saving both time and cost.

Acoustic enclosures can be used to reduce noise levels from most plant and machinery, either fixed or mobile. Due to the versatility of the GCS panel system, enclosures can be designed for small pump motor units or complete turbo generator sets. Complex process machinery can be contoured to conserve space and allow access to key stations. The panels are also particularly suited to mobile equipment, due to the relatively low surface mass.

The GCS panel is a sandwich construction of an outer galvanised steel skin, inert acoustic fill and perforated galvanised steel inner skin to retain and protect the infill. The panels are formed with a unique patented interlocking connection edge, which requires no additional fasteners.

GCS panels are normally produced in high quality galvanised steel. Alternative materials include zincalume, zincanneal, mild steel, aluminium and stainless steel.

Both internal and external finishes can be spray painted to any specification but for a durable and high quality finish, powder coating is recommended.

For conditions where the inside of the enclosure is subject to hazardous vapours or moisture an impervious membrane can be applied over the infill.

Uniquely **GCS ACOUSTICS** is able to provide the full engineering service including design, drafting, manufacture and installation Australia wide

For further advise on these products please contact GCS Acoustics Pty Ltd.

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