DCI is a leading Australian designer and manufacturer of patented Thermal & Acoustic Shields. Our technology enables us to create superior heat/acoustic shields that are lightweight, recyclable and cost efficient. Robust acoustic shields are produced, tuned to abate desired frequencies and can be combined with heat shields providing a total thermal/acoustic solution.

**Thermal & Acoustic Shields**

**Thermal - Heat Management Shields**
Heat shields are constructed of embossed aluminium in single or multiple layers, dependant on the insulation rating required. Steel and other alloys can also be layered in high heat applications.

**Properties**
- Reflect Radiant energy
- Laterally conduct heat
- Act as an Insulating barrier
- Environmentally efficient and fully recyclable
- Can be formed to suit application
- Cost effective & easy to install

**Acoustic Shields**
Robust acoustic shields are constructed from a combination of materials in varying grades & thicknesses, to effectively dampen sound.

**Properties**
- Tunable to frequency ranges
- Zero Burn Certified
- Resistant to petro chemicals
- Lightweight and economical
- Can be pre-attached and installed with heat shield
Materials
Heat Shields:
• Steel
• Aluminium
• Stainless
• Single or multiple combination layers

Acoustic Shields:
• Polyester
• Fibreglass
• Ceramic paper
• EPDM – Foams
• Acoustic blankets

Shield Applications

- Single layer engine shields
- Multiple layer fuel tank heat shields
- Heat and acoustic manifold shield ACMS layer construction
- Transmission tunnel heat and acoustic shield
- High temperature exhaust cat shields
- Customised race applications

Shields are designed, manufactured and pre-formed to suit the application.

CAD/CAM Capabilities to create and customise shields.