

## CASE STUDY

# VODAFONE ARENA

# DURRA™

*Vodafone Arena is the only venue in Melbourne to have been purpose built to suit a range of functions. The arena boasts both a retractable roof and retractable, raiseable and removable seating. At the touch of a button the roof can open to transform the indoor Arena within ten minutes into an outdoor venue.*



A major drawback and time constraint in large projects involving working at great heights, is the installation of steelwork, ceilings, and roofing. The **Durra Building System** solved these problems for the construction of the Vodafone Arena in Melbourne's sports precinct.

### Building System

- Ortech Trafficable Acoustic Roof and Ceiling
- Durra Acoustic Wall

The arena required a high level of acoustic performance, a cost-effective method of installing a suitable ceiling system, and, above all, fast installation. The **Ortech Acoustic Roof and Ceiling System** was the obvious choice to fit this criteria in the client brief.

### Project Size

- 12,200m<sup>2</sup>

The Ortech proposal was to install a complete acoustic ceiling as a pre-engineered roof/ceiling system. The system elements were delivered to the site pre-cut for assembly into 100m<sup>2</sup> modules at ground level and then crane hoisted and bolted onto the primary steel structure using the **Durra Lifting Frame**.

### Ratings

- STC 48+
- NRC 0.85

When bolted into position, the Durra Panel modules could be safely walked upon and were weather resistant. The metal roofing was attached to the Durra Steel Sections in each module. It proved to be a fast and safe roof installation process.

### Benefits

- Enhanced worker safety
- Compressed build time
- Reduced construction costs
- Eliminates Birdcage scaffolding
- Internal reverberation control
- Sound isolation
- Thermal insulation
- High degree of architectural finish



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