

# CASE STUDY

## NEMMCO

### PROJECT

Nemmco, a national provider of billing services to multiple power companies, were recently looking for rack equipment and accessories to house their equipment, which provides the switching of services from different power companies, in a new data centre in Sydney. They approached Madison Technologies to supply rack equipment, Ortronics Cat6 patch panels and cable management, to maximise the amount of ports per rack.

### CHALLENGE

A project like this required a large amount of Cat6 cables. The volume and weight of this amount of cables created a problem at the transition point (where the cable moved from horizontal to vertical on each side of the rack). The bend radius had to be maintained to avoid data loss plus the volume of cable had to fit in a confined area. As there was no existing off the shelf solution to manage this in each rack, Madison Technologies designed new cable managers.

### SOLUTION

Nemmco provided Madison Technologies with a brief on the configuration they wished for. The brief features a floor plan of the data centre, detailing their specifications for the racks. It established that they were required to fit the maximum amount of Ortronics Cat6 patch panels and cable management into a 52RU 600x900mm rack size, to reduce the size required for the data centre building. Madison Technologies made it happen by designing new vertical cable management that would remove the need for the standard 1RU cable manager below each patch panel. A prototype rack was assembled to demonstrate the new configuration.

### OUTCOME

Nemmco were very pleased with the design, provided by Madison Technologies, which met their requirements perfectly.



### COMPANY

Nemmco

### PROFILE

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### RESULTS

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**MADISON**  
TECHNOLOGIES

*We make it happen*