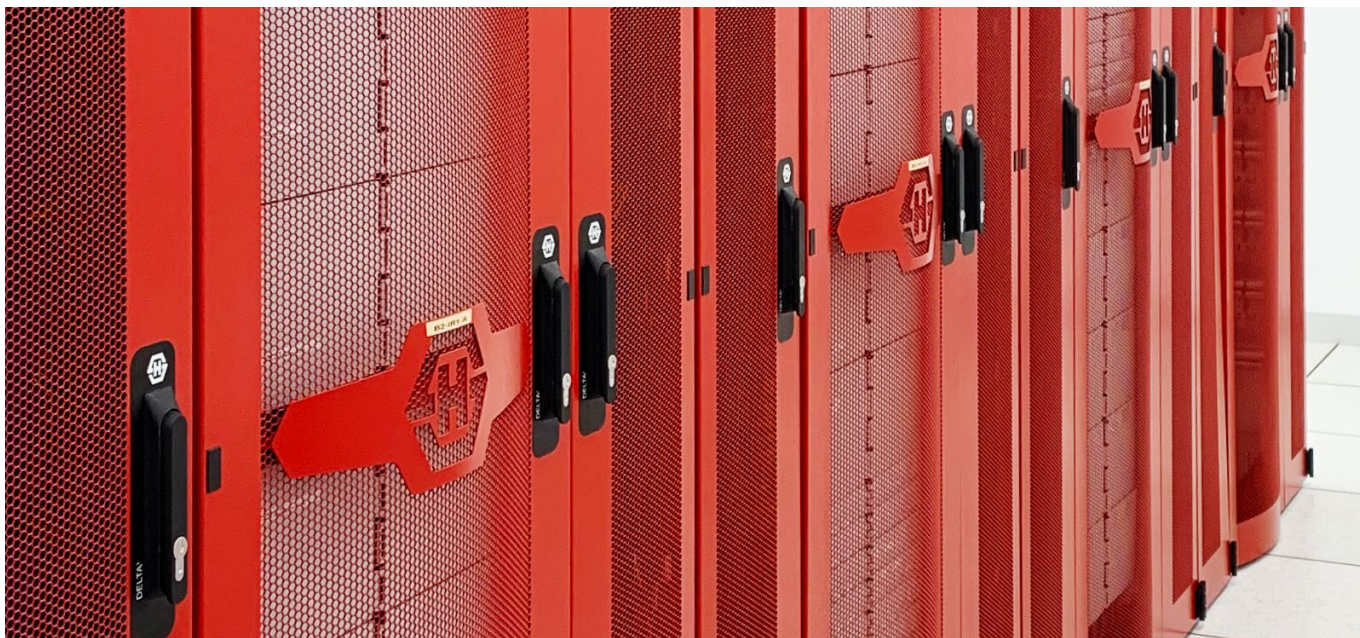


case study



Enabling connectivity Down Under

Introduction

Increasing complexity around connectivity to multiple locations, clouds, carriers and other digital services mean colocation data centers are constantly adapting to meet customer demands. As a result, space becomes a critical factor when it comes to data center cable management. Structured solutions that take up as little space as possible are essential, without compromising on performance, density, or ease of management. When Australian colocation provider NEXTDC launched B2, Australia's first Uptime Institute Tier IV-certified facility in Brisbane, it needed a solution with flexibility at the heart.

Challenge

NEXTDC offers its customers physical and/or virtual connections, including direct interconnection to its B1 site to enable resilience planning between the two Brisbane facilities. To ensure seamless connectivity, NEXTDC needed to find an effective way to architect structured cabling and patch cord management, whilst maximising space.

Application

Colocation data center

Technology

Fiber optics

Solutions

Structured cabling

Region

Australia

Customer

NEXTDC

Solution

NEXTDC turned to HUBER+SUHNER, a specialist in fiber optic connectivity. HUBER+SUHNER designed a customised IANOS® connectivity system, a front-facing solution that offers over 2,800 fiber connections and addresses the common accessibility issues of other high-density solutions. With the split design of the IANOS chassis separating the left side from the right, NEXTDC were able to access just one half of the connectivity row without disrupting pre-installed, business critical fibers.

HUBER+SUHNER created a bespoke solution to meet the needs of NEXTDC. While the initial solution offered cables at 10-meter increments, it was tailored to meet the exact customer need of 5-meter increments with minimal moving parts. The separation between the left and right of the frames were also lifted, which halved the number of patch cords in the fiber management side of the frame.

Result

With the customised solution from HUBER+SUHNER, NEXTDC were able to streamline the fiber cable management, helping to ensure seamless connectivity.

By working collaboratively with the customer, HUBER+SUHNER created a bespoke solution that met the exact requirements NEXTDC were looking for within their colocation data centre environment – high density, easy to manage, flexible and space-optimised. Now fully implemented, NEXTDC has a scalable solution that is growing with the compounding interconnection needs of the company.

The B2 site is now fully operative with new structured cabling solutions and subsequently, many more NEXTDC centers in Sydney, Brisbane, Perth



Timothy Newton, HUBER+SUHNER, working closely with NEXTDC to design and implement the optimal solution.

“

There is no ‘one solution fits all’ when it comes to data center cabling systems. To ensure seamless connectivity can be delivered, a customised, high-density solution that maximises the available environment is critical to success.”

Timothy Newton, HUBER+SUHNER Regional Sales Manager, Communication

and Canberra have been built with the structured cabling solutions from HUBER+SUHNER to support their rapid growth.

As part of the ongoing support provided, NEXTDC has also received HUBER+SUHNER's Data Center Certification Training, which ensures their data centre technicians are fully versed on extending and maintaining our connectivity solutions that come with a 25-year warranty.

More to explore

Data center solutions

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IANOS fiber management system featuring front access connectivity.