



CORNING

Australian Data Centres, Canberra

Delivering future-ready flexibility today

Technology service providers are increasingly focused on enabling greater flexibility and customisation in their hardware and software infrastructure. The as-a-service approach – allowing customers to choose their technology and level of support – is core to Australian Data Centres Mitchell (ADCM).

As the first data centre to be Tier III certified in the Australian Capital Territory (ACT), ADCs highly efficient infrastructure can support from as little as a rack to private suites and larger footprints. ADC also has its own dedicated colocation area in a zone 4 space.

Fully operational since 2011, ADC became one of the first organisations to be accepted by the Federal Government Agencies onto their Data Centre Facilities Supplies Panel, providing solutions today which are energy efficient and cost effective for the nation's Information Technology & Telecommunications (IT&T) assets.

Delivering a best-of-breed solution

ADC required an optical cabling solution to securely manage all of its customers' information without any fear of downtime, while also handling both current and future IT requirements.

ADC sought Corning's EDGE™ HD solution – a high-density preterminated optical cabling system that simplifies installation and improves performance in the data centre environment – to lay the foundation of connectivity from

“Government departments and larger enterprise clients cannot afford a connectivity failure. To meet and even exceed customer expectations, we needed to surround ourselves with products and services that would minimise risk and assure the connectivity needs of our clients at all times.”

Chris Carr
Technical & Operations Director, ADC

the fibre distribution rooms. The solution, comprising optical trunks, harnesses, modules, housings, and jumpers, is inherently environmentally friendly, requiring less energy for powering and cooling than copper systems. The solution had to meet a number of requirements:

- **Speedy deployment** – Corning's EDGE solutions can be installed up to 35 percent faster than traditional cabling systems, meaning the network is ready and capable of generating revenue faster than ever before.

- **Seamless integration** – Custom-engineered components enable simple integration into common SAN directors, while the preterminated components allow for reduced installation time and faster moves, adds, and changes (MACs).
- **High density** – Industry-leading EDGE™ HD solution addresses the increasing importance ADC places on space efficiency. Corning EMF frames were installed inside both the meet-me rooms (MMRs).
- **High performance** – Coupled with the superior bend performance of Corning® SMF-28® Ultra optical fibre, ADC was able to improve duct utilisation, enable smaller enclosures, and provide a solid foundation for new network deployments. Low loss and less clutter.

“We are only at the start of our journey with Corning and already we have seen value delivered beyond our expectations. The reliability of the Corning solution is unmatched, the performance and density delivered is superior, and we are now able to stay ahead of MACs and scale whenever our customers need. With Corning, we have put in place products that will outlast the life of the data centre.”

Chris Carr
Technical & Operations Director, ADC

ADC received exceptional support from Corning and gained access to quality installers, providing yet another layer of assurance of a successful deployment.

A polished turnkey solution attracting global organisations

With superior security levels and high energy efficiency minimising its environmental footprint, the ADCM facility is on its way to meeting the requirements of defence and law enforcement agencies. Corning’s all-optical solution and the reliability of its data centre infrastructure stood out as another important differentiator when 24/7 year-round operations are at stake.

Since inventing low-loss optical fibre in 1970, Corning has been at the forefront of data centre technology, forming the designs, products, and standards that have become the de facto standard in the industry today. ADC’s investment in tip-to-tip fibre optic connectivity throughout the data centre is critical in enhancing their value proposition significantly to local and global customers. Corning’s 25-year warranty with its Network of Preferred Installers (NPI) program bolstered even greater confidence in ADC’s investment.

ADC’s installation of the EDGE HD solution and SMF-28 Ultra optical fibre has enabled a new stream of opportunities, complementing ADC’s ambition to expand their footprint with existing and new customers. In 2017, ADC will tap Corning again for its new facility builds, ensuring a flexible all-optical platform to meet their customers’ technology requirements today and in the future.

“In our business, we have to be forward-thinking on technology. We aim to continue offering the most sophisticated data centre solution set in the ACT. Coupled with the reliability and future-readiness of Corning products, ADC is able to provide our customers a first-class solution and easily address their requirements as they grow and evolve.”

Chris Carr
Technical & Operations Director, ADC

CORNING

Corning Optical Communications Pty Ltd. • 74-84 Main Road • Clayton, Victoria 3168 AUSTRALIA
+61 3 9538 2300 • FAX: +61 3 9538 2316 • www.corning.com/opcomm/apac/en/australia.aspx

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification. A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners. Corning Optical Communications is ISO 9001 certified. © 2017 Corning Optical Communications. All rights reserved. LAN-2195-A4-BEN / June 2017