

# CRS

COMPUTER ROOM SOLUTIONS



Since CRS was founded in 2006, we've utilised our insight, skills and experience to become an industry leader in the design, development and commissioning of physical ICT infrastructure.

The growing demand for effective and efficient solutions was the impetus for us to double the size of our sales and design teams and in 2013 we moved to a new, purpose-built head office facility to make it easier to offer tailored solutions with even faster turnaround times.

Our customers know us for our superior ICT infrastructure solutions; racking, security data caging, computer room hot and cold aisle containment, network connectivity, UPS systems, power monitoring and intelligent networked power distribution.

What you may not know is that we are now able to provide complementary control products that deliver the most energy efficient installation possible.

The addition of integrated lighting control and energy management systems is a logical extension of our expansive product portfolio and enables us to offer a full end-to-end solution.

Our growing market share is the result of a consistent response to customer feedback and to shifting industry requirements. We pride ourselves on working closely with clients to deliver a solution that not only meets immediate needs, but considers future requirements.

We'll continue to innovate and to meet the changing needs of the industry – we hope you'll continue to grow with us.

**Brendan Dessent, CEO**

## Our history



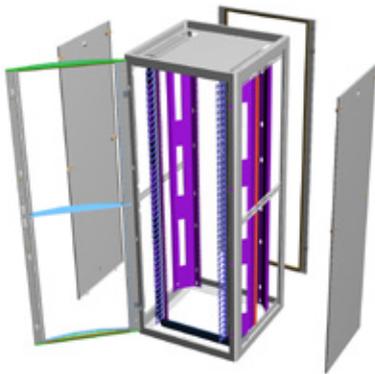
## Our Services

CRS is an industry leader in end-to-end solutions for the data and communications industries. We offer fast turn around times, a strong R&D focus and effective working relationships with all of our customers. Drawing on a wealth of experience in lighting control and building automation, this same high level of capability and service extends to lighting control projects of any scale in the commercial and enterprise space.

We understand your industry and the challenges you face, which is why we work closely with our customers from the design phase onwards, to ensure we achieve the best possible outcome... every single time. This level of collaboration and feedback has been integral to our success and has contributed significantly to the development of new products, as well as enhancements to our existing range.

When it comes to staff, our philosophy is simple... we only hire the best in the business. When you make contact with a member of the CRS team, you are speaking with an expert from the ICT infrastructure, lighting control or building automation industry.

Our service promise begins with assigning a dedicated account manager, who is responsible for overseeing all aspects of a project, from pre-design consultation through to post-installation sign-off.

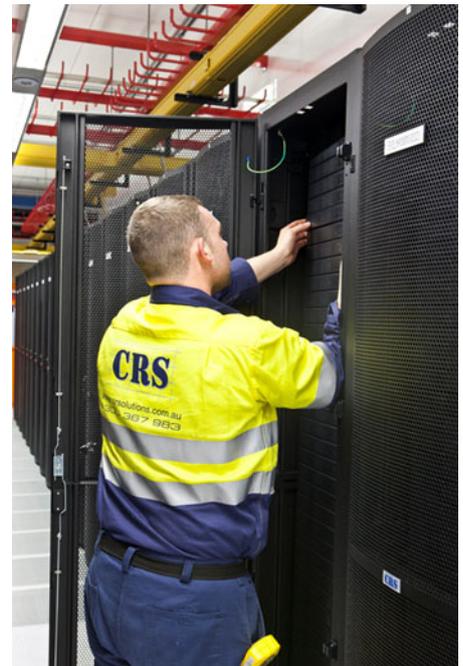


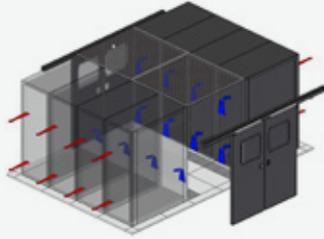
Our technical design competencies stem from degree-qualified engineers who support our detailed documentation process. We employ 3D modelling techniques and provide detail designs to ensure our systems are fit-for-purpose long before they arrive on-site, guaranteeing no unnecessary installation delays.

We employ a team of in-house trained installation technicians and commissioning engineers, who are familiar with all aspects of our product range. Our techs are well acquainted with data centre environments and the constraints they present, enabling them to work with minimal supervision.

Our dedicated project delivery and operations manager effectively coordinates projects and ongoing service related works and our local warehousing and logistics staff support the initial project and ongoing 'quick turn' requirements as required.

CRS is an industry leader in end-to-end solutions for the data and communications industries. We offer fast turn around times, a strong R&D focus and effective working relationships with all of our customers.





## Racks and cabinets

We offer a comprehensive range of standard products, including 19" racks and wall cabinets in a range of sizes, finishes and configurations.

Each rack can be customised with a range of compatible accessories to produce an individual solution for each project, or custom designed to suit the particular requirements specific to a design brief.

We understand the space, cooling and efficiency issues common to ICT infrastructure projects. We offer passively cooled cabinets that increase airflow through servers and minimise running and computer room air-conditioning (CRAC) unit costs.

Our design solutions incorporate 'tool-less' features such as cable management, PDUs and shelving systems.



## SCEC endorsed security cabinets

Our range of C-Class and B-Class security racks have been endorsed by the Security Construction Equipment Committee (SCEC) and manufactured in accordance with Class C 19" Rack Security System Container.

SCEC endorsed security containers are suitable for use in high-security environments, including government and secure colocation data centre applications.

## Containment

CRS designs and manufactures hot and cold aisle containment solutions, which provide a range of benefits including reduced energy costs and increased efficiency.

Our containment solution designs are vendor-agnostic, meaning they can be installed for use with both CRS and non-CRS cabinets. They are easily retrofittable and can be used with or without conventional raised floor cooling solutions.

Using concealed retention clips, the fully assembled system is free floating. Each component is free to thermally expand or contract at its own rate, eliminating 'waves' or deflections and maintaining the structural properties of the material.

Containment solutions effectively partition cold air delivery and hot air extraction. This prevents cool air mixing with the heat being generated within cabinets and delivers a more efficient cooling system.

### Benefits

- > Dramatically reduce energy costs and minimise hotspots.
- > Works in tandem with raised floor and extreme density cooling systems to deliver higher efficiency.
- > Consistently separates cold and warm areas without the need for structural change.
- > Prolongs the life of ICT equipment.

Our full-service offering includes design documentation and installation, ensuring the best possible solution for your application.

## Caging

CRS security caging solutions are custom designed and built to provide high-level security solutions for computer rooms, server rooms and colocation data centres.

The security of equipment, particularly within facilities servicing multiple users, can be controlled with a CRS Cage Wall solution.

Robust construction maintains security integrity, while providing increased visibility and allowing optimum airflow.

The fully modular construction provides unparalleled flexibility allowing for ease of assembly in difficult locations, also readily enabling future expansion if necessary. With an extensive height range, solutions also extend to sub-floor and above ceiling plenum spaces to provide comprehensive and complete area confinement.

Each cage panel is manufactured from either security mesh or sheet steel and supplied in sizes that correspond with standard computer floor grids.

A range of door options are available including swinging or sliding doors and are manufactured to specific widths.

Our designs offer uncompromised cable access and utilise concealed fixings from the secure wall side.



## Controls

The Philips Dynalite range of control solutions is extensive.

It comprises load controllers, user interfaces, integration devices and a powerful suite of software products to provide fully customised lighting control, energy management and building automation solutions across a range of applications – from greenfield sites and new-build projects through to commercial fit-outs.

At the center of the system is DyNet, a sophisticated communications protocol based on distributed control architecture.

This approach ensures reliable operation by eliminating the vulnerability associated with a centralised processor design.

The Philips Dynalite modular product ethos improves system flexibility, provides a scalable platform for system design and facilitates the accommodation of unique product application requirements.

CRS employs an in-house team of Philips Dynalite experts; from design through project management to final commissioning, no-one understands the intricacies of lighting control and energy management applications better than us.



## UPS

As a leading provider of power quality and management solutions, CRS consistently delivers the high 9s of availability demanded by today's digital world.

Our depth of experience and long-standing relationships with world-class equipment providers including Eaton, position CRS to deliver the best power solution for your application.

The Eaton UPS offering includes both single and three phase models. The most suitable device is determined by the requirement for protection against nine common threats to data and hardware component including; power failure, sag or surge, undervoltage, overvoltage, line noise, frequency variation, switching transient and harmonic distortion.

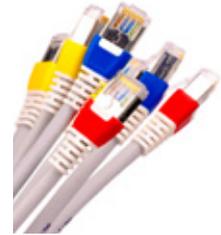
We also offer power factor correction and local or remote power management solutions.



## PDU's

Superior power quality depends on efficient power distribution. Our PDUs have been designed with practicality in mind and incorporate tool-less 'clip-in, clip-out' feature, providing simple and secure mounting.

Our PDU solutions are customisable based on power requirements at the outlet level. The range includes network monitored solutions for real-time load parameter reporting.



## Connectivity

Connectivity is the skeleton of any ICT infrastructure installation, which is why we supply only the best cabling and connectors, including structured cabling solutions for simplified installation.

A full range of copper and fibre cable products are available, as are preconfigured and preterminated solutions, patch panels, enclosures and cable management trays.



## Other accessories

No two projects are the same, so we carry a full range of accessories to complement your install including;

- > Cable management products design to house and manage both copper and fibre, including cable trays for the management of vertical cable.
- > Fan trays to increase the cooling efficiency of server racks.
- > Blanking panels to restrict hot air recycling and redraw.
- > Robust customised cable chimneys for pre or post-patching installation.
- > Cabinet shelves to provide increased capacity.
- > Floor tile lifters to assist in installation, particular retrofit projects.
- > Mounting kits.

## Our Partners

Our strong vendor relationships are renowned in the industry. We are proud of our partnerships and believe they contribute heavily to our success. While other companies make many competing lines available, we limit our offering, work only with the best in the business and stand by our alliances.



### Eaton

Eaton's power quality portfolio encompasses uninterruptible power supplies (UPSs), surge protective devices, switchgear, power distribution units (PDUs), remote monitoring, meters, software, connectivity, telecoms secure and DC power.

The company strives for continued success in leveraging technical innovation to develop next-generation solutions to fulfill specific customer requirements and to complement new or pre-existing solutions.



### R&M

R&M is a Swiss-based independent manufacturer with over 50 years' experience in the ICT market, providing high performance passive cabling systems solutions for the communications & data networks sector.

Our alliance aims to offer our clients an edge through design innovation, performance and technological advancement, resulting in faster terminations and decreased transmission losses.



### Enlogic

With a commitment to continuous improvement, Enlogic has become the technology leader and expert in energy management, helping data centers across the world to discover waste, improve operational efficiency, and optimise energy utilisation.



### Philips Dynalite

Philips Dynalite leads the industry with over 25 years of total commitment to delivering innovative energy management, building automation and architectural lighting control solutions for a range of applications including offices, retail, hospitality, industry, residential, public spaces and more.



### TE Connectivity

TE Connectivity is the largest provider of enterprise network and data centre connectivity solutions globally. As a worldwide leader and technology innovator, TE Connectivity provides products that deliver superior performance and reliability in network infrastructure.

### All Sales Enquiries

t: 1300 367 983  
e: sales@crs.com.au

### CRS Sydney - Head Office

Unit C, 110 McEvoy Street  
Alexandria NSW 2015  
t: 02 9469 1100  
e: info@crs.com.au  
w: www.crs.com.au

### CRS Melbourne

Unit 7, 28 Ricketts Road  
Mount Waverley VIC 3149  
t: 03 9263 0400  
e: info@crs.com.au  
w: www.crs.com.au

### CRS Brisbane

Unit 16, 160 Lytton Road  
Morningside QLD 4170  
t: 07 3217 9161  
e: info@crs.com.au  
w: www.crs.com.au