

## INSIDE this Issue.

- .. Going Platinum
- .. New Product
- .. CTI Delivers
- .. Tech talk

**Welcome...** to CTI's latest newsletter, giving you a quick snapshot of what we have been up to in recent months. As always, if you are interested to find out more, please just call or email us.

## Complete Technology Integrations + Clipsal = Platinum

SEPTEMBER 2009 SAW COMPLETE TECHNOLOGY INTEGRATIONS (CTI) JOIN THE CLIPSAL PLATINUM PROGRAM. ALTHOUGH CTI HAS BEEN A CLIPSAL PARTNER SINCE 2001 OFFERING THEIR C-BUS RANGE OF PRODUCTS TO THE COMMERCIAL, RESIDENTIAL AND AGED CARE MARKETS, THE SIGNING OF THE CLIPSAL PLATINUM AGREEMENT SEES OUR RELATIONSHIP MOVE TO A NEW LEVEL.



The C-Bus Platinum program officially recognises CTI's high level of competence in the commercial application of C-Bus. CTI and Clipsal will now work as one team on projects, from small fit-outs to the largest construction projects, even national roll-outs. CTI's Managing Director Peter Garrett said *"It's critical for CTI to be constantly evaluating new markets and technologies to ensure we always offer the best product for our clients' various applications. Working with Clipsal means we can tailor solutions to whatever our clients' needs might be."*

Furthermore, being Australia's largest independent C-Bus Integrator, CTI is



David McGary – Clipsal General Manager, Sales and Commercial, Peter Garrett – CTI Managing Director and Damien Cummins – Clipsal Executive General Manager

uniquely positioned to provide the design, supply, commissioning and ongoing support to its customers which include most electrical contractors and builders in and around Sydney, Canberra, Brisbane, Melbourne and Perth.

We also find that because business activities can change during a building's lifecycle, the control solutions need to change as well. During the last 8 years CTI has seen huge growth in the controls market, most recently in relation to energy reduction initiatives. Over the last 12 months CTI has supplied its clients with over 36,240 relay and dimming channels, more than 13,570 motion sensors and around 13,245 switches!

**For more information contact CTI today on 02 9887 1000.**

## New Product

### C-Bus 30 Mechanism

The new C-Bus 30 Mechanism (30mech) enables the installation of C-Bus in any style of switch plate, grid or enclosure that currently accommodates Clipsal 30 series Mechanisms.



30mm Master (above);  
30mm Slave (right)

The Mechanism options available are "Master", "Master with IR capability" or "Slave". The Master can accommodate up to 3 Slaves and can include customised labels if required. Previously, all standard plastic or metal C-Bus switch plates had to be purchased as complete 1, 2 or 4 button units. The new 30mech also has dual colours LEDs (Orange and/or Blue) and they include scenes on-board.

## CTI Delivers the Mail!

THE SOUTHERN CROSS COMMERCIAL DEVELOPMENT IS LOCATED IN THE HEART OF THE MELBOURNE CITY CENTRE, COMPRISING TWO LARGE TRANSPARENT GLASS OFFICE TOWERS KNOWN AS THE EAST AND WEST TOWERS.

Australia Post is the sole tenant for the 20 level Southern Cross Western Tower with a NLA of approximately 46,000m<sup>2</sup>. The building is a 5-Star "Green Star" development, and CTI provided the lighting control system for the entire building.

With a glass façade, the use of daylight harvesting was mandatory for this project. CTI installed a DALI (Digital Addressable Lighting Interface) to control in excess of



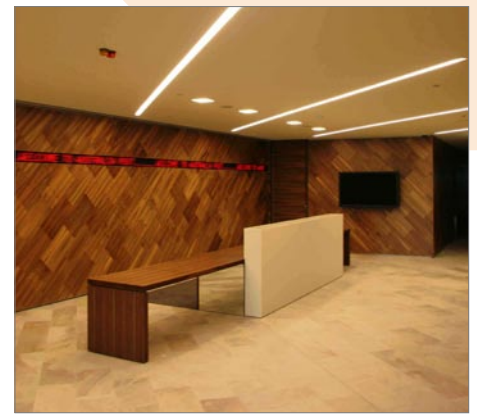
*Southern Cross Commercial Development, Melbourne*

5,000 single tube fittings, and 1,650 motion sensors that turn lights off when the office space is unused. A comprehensive head end allows Australia Post to change the operation of the system to suit their needs and operating hours.

CTI is very proud of its association with this landmark project as it was completed in record time and used today's commercial automation technology in the way it was intended – to save the environment.

The team at CTI in Melbourne provided a world class solution that exceeded the clients needs!

What's more, by working closely with Apps Electrics, we were able to deliver the project on time and within budget.



*Showing the interior of the building with the DALI installed.*

## techTALK

More and more projects demand a sophisticated front end (or "head end") to provide supervisory control, and OPC is the ultimate in control technology. So what is OPC? It stands for OLE for Process Control. The "O" itself is an acronym of an acronym - OLE refers to Object Linking and Embedding (OLE).

OPC is a series of standards specifications, which resulted from a number of leading worldwide automation suppliers working in collaboration with Microsoft. Originally based on Microsoft's OLE COM (component object model) and DCOM (distributed component object model) technologies, the specifications defined a standard set of objects, interfaces and methods for use in process control and

## The Ultimate in Head End Control Software



manufacturing automation applications to facilitate interoperability. The COM/DCOM technologies provided the framework for software products to be developed, and there are now hundreds of OPC Data Access Servers and Clients.

In short, nearly all manufacturers of automation systems provide an OPC Server that communicates the status of devices in the field to the OPC Client

(the head end). The OPC Client can communicate with multiple OPC Servers so one head end can control, manage and report on an entire building or campus.

CTI provides OPC Clients for many projects. Typical of most installations, the OPC Client can communicate with lighting control, meters, lifts, AC systems, alarm systems and access control systems. For example, if a motion sensor detects activity, it can turn on AC, turn off alarms and open or close blinds!

OPC is the next step in the "greening" of the automation industry, and providing the tools that enable a facility to save carbon emissions across multiple technology platforms.

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