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Welcome to the CTI Newsletter...

Keeping you up-to-date on the latest developments in our industry and our organisation.



enGauge @ CROWNE

mySmart recently installed the enGauge Building Performance system at the Crowne Plaza Melbourne.

The screen in reception displays the building's easy-to-use graphical icons.



When the enGauge system is linked to the hotel's PMS system it will also display the number of hotel rooms running in "eco" mode which will assist in saving the property additional energy.

For more info please contact:
David Wilson or Michael O'Dea
 CTI Melbourne office ~ **03 9681 9377**



techTIP

Occupancy Sensors - PIR or Microwave?

OCCUPANCY SENSORS HAVE BECOME THE LIGHTING CONTROL OF CHOICE FOR REDUCING WASTED LIGHTING ENERGY.

Sensors extend the life of lamps and ballasts and can save energy by reducing:

- The kilowatt hours of use;
- The power used during the peak demand period by automatically dimming lights or turning them off when they're not needed; and
- A building's cooling needs.

But how do you know which is the right sensor technology for your needs - Microwave or Passive Infrared (PIR)?

Microwave technology is best suited to control large open office areas, larger enclosed offices where movement can become minimal, meeting rooms and areas that have an awkward shape. Microwave sensors transmit harmless microwave pulses and measure the reflection of a moving object. Microwaves can penetrate glass and thin walls, and respond to very small changes in movement.

PIR is best suited to small areas of high movement such as bathrooms, kitchenettes and photocopy rooms etc.

PIR technology looks for movement of body heat, as no energy is emitted from the sensor. PIR sensors are less sensitive than Microwave sensors (particularly in a warm to hot ambient environments), and they do not "see" through glass or walls.



Current technology allows for PIR programming of standalone sensors via a simple handheld tool removing the need to climb up a ladder to adjust timeout and light level values.

Furthermore, standalone sensors do not have to be set to only one level of sensitivity - setting the sensitivity too high increases potential false "on-triggering", while setting the sensitivity too low increases the possibility for false "off-triggering". They can now be set to different levels of movement sensitivity based on when the sensors are in the "off state" and in the "on state".

Client Case Study – CTI gives University of Technology Sydney Smart Lighting Control

OVER THE PAST THREE YEARS, THE UNIVERSITY OF TECHNOLOGY SYDNEY (UTS) HAS BEEN UNDERTAKING CAMPUS BUILDING UPGRADE PROJECTS, STANDARDISING THE CAMPUS IN CONJUNCTION WITH THE UTS DESIGN GUIDELINES AND SUSTAINABILITY INITIATIVES.

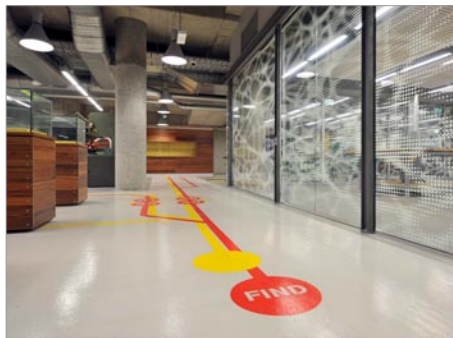
CTI has been commissioned by UTS to implement an innovative lighting technology upgrade project. It involves the installation of a C-Bus lighting control and energy management system, with the ultimate aim to achieve complete control of lighting from one central point.



Showing off the lighting technology CTI has now installed.

Graham Lamb from CTI Australia, which is part of Clipsal's C-Bus platinum partner program, has been instrumental in delivering and managing this extensive project and at this stage, 50% of the campus has been commissioned with C-Bus.

Implementing the solution and fit-out over a variety of different types of



Tailoring lighting solutions for each building.

buildings required tailored solutions for each building. All upgraded buildings feature Ethernet control on separate subnets of the university campus, and each floor of the buildings has its own network. A unique feature of this installation is a user-friendly interface, which allows for exchange of information to the Building Management System.



CTI deliver an energy management & lighting control system.

Nabil Faysal, Manager, Engineering Services, UTS, said, "The C-Bus installation has been a great success and completely met our original objectives of energy management and a standardised lighting control system across the UTS campus."

New Staff

During March CTI welcomed two new employees to the CTI family.



Our Canberra team has been enhanced with the appointment of Rob Slattery.

Rob is a Canberra local and has worked in the AV industry for the last few years. Prior to that Rob was involved in business development for some of the better known technical organisations in Canberra, principally Defence and Security agencies.

Rob Slattery

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In Sydney Daniel Piccone joined CTI as an Integration Specialist.

Daniel is an Electrician by trade and under the guidance of CTI's local C-Bus gurus, he will form an integral part of the CTI family.

Daniel Piccone

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2010 Price Rise

If you have any pending Clipsal C-Bus projects, you may want to consider placing orders with your local CTI representative before the end of April 2010 to avoid the 3.8% price rise that comes into effect on the 1st May 2010.

Change of address ~ QLD

Please note that our QLD office has moved... Just next door!

Don't forget to update your database.

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