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BUILDING INTEGRATION SYSTEMS

KLM Group's Building Integration System Department offer assistance and advice to Construction & Fit Out Companies, Architects and Electrical Contractors on the following technologies:

- ▶ Energy Management
- ▶ Power Quality Analysis
- ▶ Intelligent Lighting Control
- ▶ Dimming Systems
- ▶ Building Automation
- ▶ Home Automation
- ▶ Security
- ▶ Access Control
- ▶ Audio Visual
- ▶ Home Theatre
- ▶ Video Conferencing
- ▶ Wireless networking



The KLM Group have been providing industries best standard in the Electrical and Data sectors for the past 20 years. The KLM Group now offers the same industry best in the above technologies.

The KLM Group are Accredited Clipsal Systems Integrators and Accredited Installers of Inner Range and IQ Comfort Security Products.

The KLM Group can supply and pre-program and / or commission any of the above systems, including Clipsal C-Bus at extremely attractive rates for you.

So, if you require equipment or assistance for your next project, contact the KLM Group today, we are here to help you.

## Deloitte Melbourne

*The KLM Group were recently delivered a state of the art Electrical, Audio Visual and Data solution for the new Melbourne offices of this international company.*

*This installation included the use of a Clipsal C-Bus lighting control system and AMX Control system.*

*Deloitte's new Melbourne headquarters occupies 7 floors of the recently completed Queen Victoria Redevelopment on Lonsdale St. The fit-out comprises 6 general office and workstation floors, and one executive floor with a number of offices, training rooms, meeting rooms, and boardrooms.*



Over the general office floors, the lighting is typically divided into 6 zones per floor, each zone being controlled by a number of different methods. This zoning limits the amount of lighting that is on during low occupancy periods such as late evening and on weekends.

The lighting zones are programmed to switch on at 8am weekdays, and switch off at 6pm.

A number of strategically positioned occupancy sensors are located throughout each work zone. These sensors are designed to keep the office lights on whilst the area is occupied, a feature that ensures staff are never left in the dark at 6pm.

The sensors will automatically switch off the lighting 30min after the staff has left for the evening.

A cleaning mode button is set up on each floor to allow the cleaners to turn on the lighting for a preset time of two hours. This cleaning mode provides a lower level of light to reduce running

costs, but to still deliver adequate lighting for the cleaning tasks to be completed satisfactorily.

The perimeter lighting on these floors is also fitted with light level sensors to reduce the light output, and therefore reduce power consumption during daylight periods where adequate amounts of natural light are available. The executive floor, with a number of training and function rooms, required a dimmable lighting solution, that not only provided control from localized switch panels, but also the AMX touchscreen control system.

For this reason, the fluorescent light fittings were fitted with DSI dimmable ballasts providing the occupants with full control of the level of light in each room.

Each of the training rooms, boardrooms and video conferencing rooms were fitted with a combination of projectors, motorised projector lifts, motorised projection screens, LCD and Plasma displays and AMX wireless colour touchscreens. This provided Deloitte's with the latest in high tech presentation and communications systems available.

Finally, to ensure the comfort, and well being of both clients and staff, a waiter call system was introduced into each room. This system, although simple to operate, allows the room occupants to notify the catering kitchen of any requests for refreshments, without having to leave the room. Waiter requests are displayed in a number of locations to ensure prompt service each and every time.

