



Alland Group

Doltone House, Hyde Park CASE STUDY



PROVIDING TOTAL ELECTRICAL SERVICES & TECHNOLOGY SOLUTIONS



Project Details:

Location	Sydney, Australia
Type of Building	Event Venue
Investor	Doltone House
Architect	Koichi Takada
Builder	ISIS Group
Lighting Consultant	Lighting, Art + Science
System Integrator	mySmartCTI

Doltone House, Hyde Park

SETTING A NEW BENCHMARK

Doltone House are known in Sydney for some of the most iconic event venues in the city. Doltone House Hyde Park is the latest addition to this collection and blends heritage features of grand arched windows, stunning sandstone fireplaces with stunning modern elements. These include a sweeping double stitched black leather staircase and purpose made crystal chandeliers which represent a modern interpretation of old-world glamour befitting Doltone House's dress circle position overlooking Hyde Park.



Function and event venues demand high performance electrical solutions to seamlessly adapt to the varied uses of the building. Working closely with systems integrators **mySmartCTI** and lighting consultants Lighting, Art + Science, Alland Group carried out a design and construct package incorporating LED lighting, lighting control, motorised blind control, power reticulation, communications, surge protection and switchboard modifications.

Alland Group is immensely proud to be associated with Doltone House, Hyde Park and be a part of setting a new benchmark in Sydney's event venues.





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Doltone House Control System

The lighting control system utilises a Clipsal C-Bus microprocessor based control system incorporating relay and DALI modules, touch screens, switches, sensors and interfaces to automatically control various forms of lighting and blinds throughout the project.

The C-Bus control equipment is installed within custom built DIN-rail enclosures adjacent to the associated distribution boards. To maintain the necessary system redundancy and stability per level the systems uses a backbone network to interlink the different floors.

DALI Lighting Control

The lighting control system at Doltone Houses uses a combination of feature lights directly switched through C-Bus relays and DALI controlled house light fittings. The reason for having such a combination of light controls is that the spectacular installation light fittings do not require dimming and as such there is no requirement for them to have DALI compatibility.

The house light fittings benefit from DALI control by being able to be individually addressed and operated through a number of pre-set dimming based scenes. The use of DALI also facilitates ease of reconfiguring the event spaces should the need arise in the future.

Back of house lighting is also controlled via C-Bus however it uses manual switch points for staff to be easily able to access lighting in these spaces whilst still giving central control via the touch screens.

Power and Lighting Reticulation including Surge Protection

In line with the repurposing of the building into a state of the art function venue a significant upgrade of the building's power and lighting reticulation was undertaken throughout. These circuits are able to safely accommodate the new LED lighting and control systems as well as the general power requirements throughout the function floors, kitchens and general back of house areas.

Considering the amount of audio-visual and high-end lighting control equipment used in the project it was paramount that appropriate levels of surge protection have been included in the design.

Switchboard Upgrading

The inclusion of the C-Bus lighting controls and upgraded power requirements meant that the switchboards required upgrading to house all of the new equipment. This also included the design, sourcing and installation of new switchboards for the commercial kitchens.

Communications

The building now has a Cat6 structured cabling system to support the audio-visual requirements, wireless internet and office networks,

Energy Efficiency

A significant part of the design process centred around ensuring that the whole installation was as energy efficient as possible. Alland Group have put their many years of knowledge and experience gained on working on commercial properties within the Sydney CBD to use to deliver a project that reduces running costs and the carbon footprint of the building through technologies such as LED Lighting and smart lighting control.



CASE STUDY



About Alland Group

Alland Group Pty Ltd is an Australian owned company, with years of experience in the electrical industry. We are a highly professional and dynamic business with a proven track record of effectively delivering diverse projects to a broad range of customers. Specialising in project management, innovative electrical communication and data solutions, installation and maintenance.

Alland Group's mission is to offer its customers the highest quality electrical services with a focus on:

- › Specialising in service maintenance to new and existing sites, providing compliant and safe working environment
- › Expertise in data, communication and electrical installation
- › Designing system energy efficiency solutions
- › Personalised, expedient and convenient electrical services
- › Growing and maintaining a referral network of customers
- › Rapid order and delivery of electrical components
- › Values – safety, reliability and responsiveness





Occupational
Health
and Safety



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