



## 300 Parramatta Road

# Case Study





# 300 Parramatta Road

Project Details	300 Parramatta Road
Client	Forge Venture Management
Location	300 Parramatta Road, Auburn NSW 2144
Builder	Shape

Alland Group is immensely proud to have partnered with Shape and Forge Venture Management to revitalise this high profile commercial site. The transformation of the aging building created a benchmark of modern infrastructure for some of our well known retail giants – Officeworks, BCF, RSEA and Decathlon.

## The development includes the following improvements:

- New Main Switchboard
- CCTV and Access Control
- Cable tray and path ways
- Submains
- CT chambers
- Specialised LED linear lighting
- Highly efficient High Bay Lighting
- Public Address & Music System



## Project Outline

Alland Group completed a design and construct package of new high end electrical works that included light & power, Cat 6 Communications, intelligent lighting control, LED Lighting, new Main Switchboard and Distribution Boards, all the while allowing the existing stores to continue retail operations. The importance of continued market penetration for these franchises was vital, and a key consideration for the project. Alland Group's team were based onsite full time for over 18 months unobtrusively working to deliver a state of the art, energy efficient retail space.

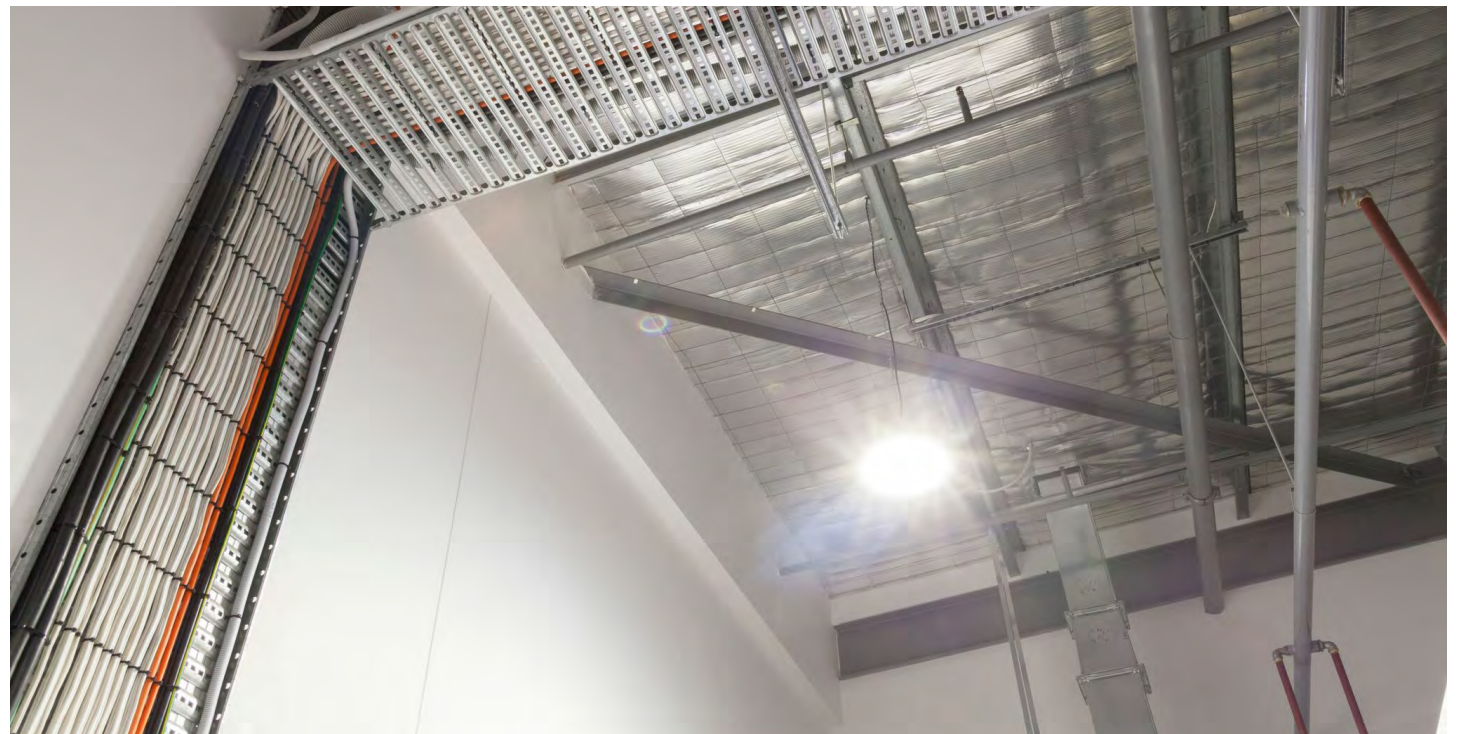
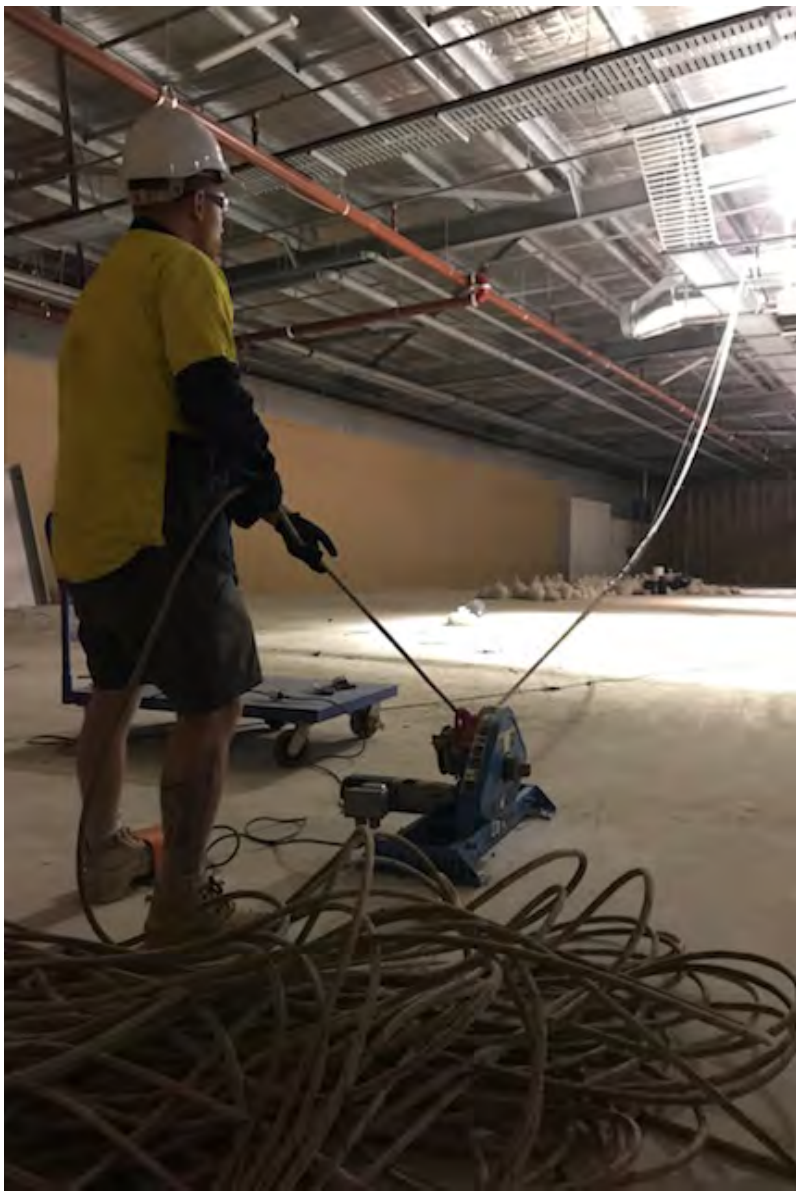
## Power, Lighting & Submain Reticulation

New electrical wiring was installed throughout the centre's stores including power sub-circuit cabling and outlets, lighting sub-circuit cabling and outlets and submain cabling from 16mm<sup>2</sup> to 300mm<sup>2</sup>.

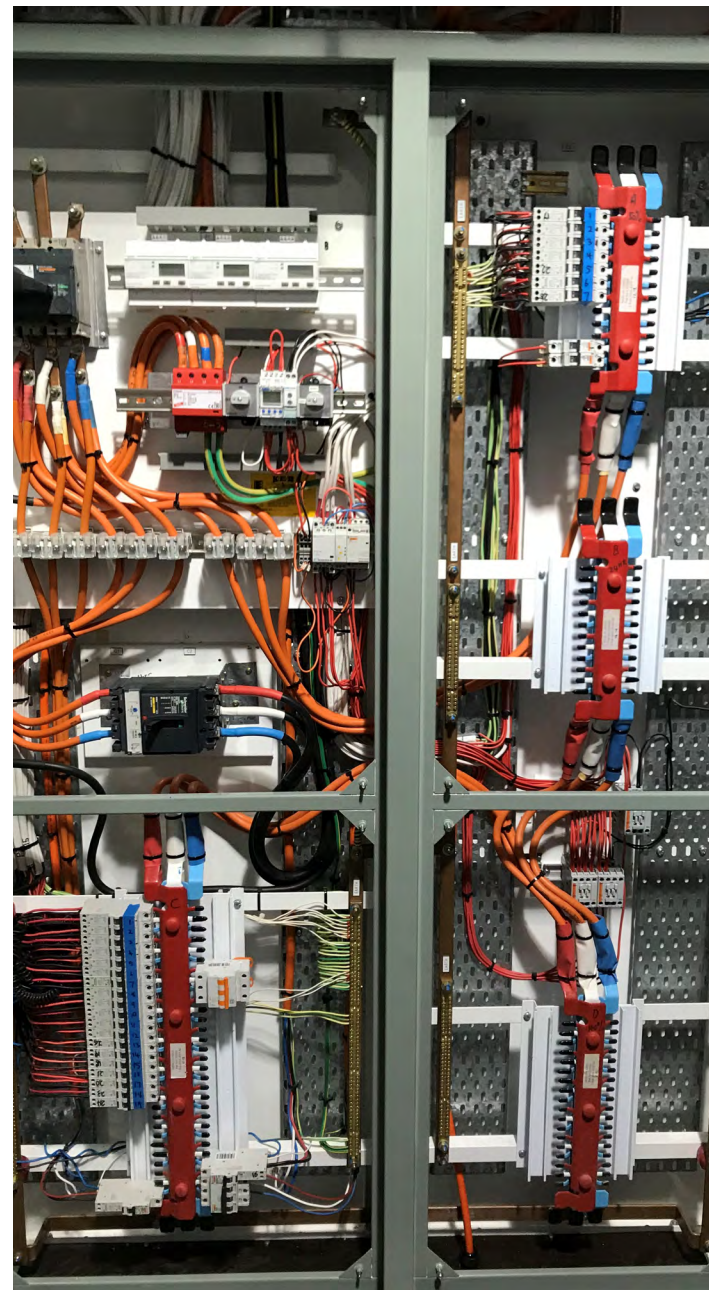
## Main Switch Board & Distribution Boards

A customised 2000amp Main Switchboard was designed and installed to accommodate new and existing retail stores, in compliance with local authority requirements. New distribution boards were installed within each tenancy including specific lighting controls (C-Bus) and private and authority metering.









## 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

### Communications

Cat6a structured cabling system was installed to support the audio-visual requirements, wireless internet, network system and CCTV system.

### Energy Efficiency

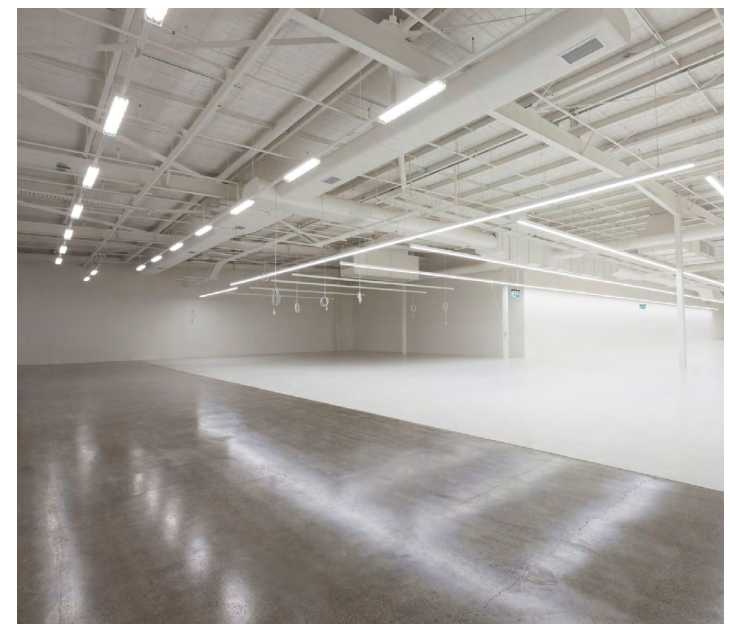
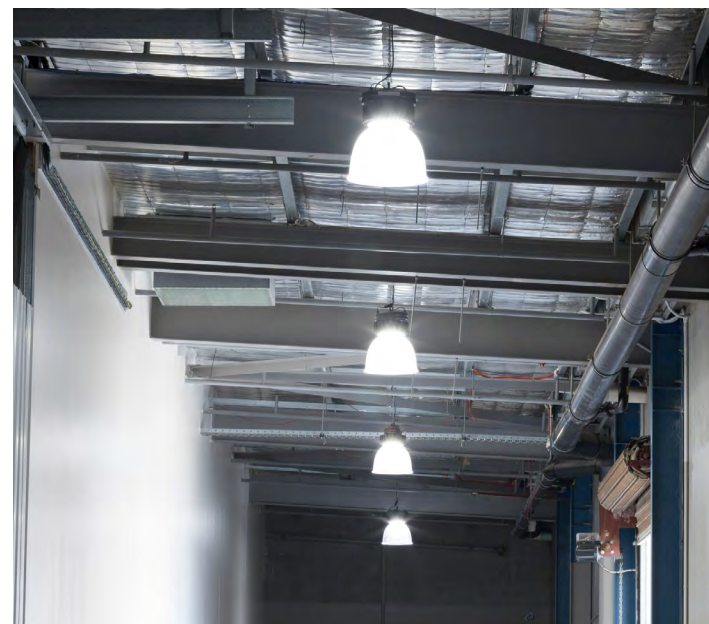
A significant part of the design process centred on ensuring the whole installation was as energy efficient as possible. Alland Group utilised many years of expertise gained by working on commercial projects across NSW, to deliver a project that reduces the running costs and carbon footprint of the building by the introduction of technologies such as LED Lighting and smart lighting control. This included IPART government rebate approval requirements.

### Energy Monitoring

Smart energy metering was installed in all Distribution Boards and the Main Switchboard to provide detailed energy reporting in line with BCA and green star requirements.

### Emergency Lighting

All Emergency & Exit lighting were upgraded to Clevertronics single point system, which includes local testing facilities at all Distribution Boards in accordance with Australian Standards AS:2293.1.







ABN 99 151 748 088  
Licence No. 239595C

T 1300 255 263 | Unit 20, 56–58 O’Riordan Street, Alexandria

Copyright © 2019 Alland Group Pty Ltd.  
All rights reserved.