



Knox Advanced Engineering Pty Ltd

Solutions for the Construction Industry
ACN 090 907 789



Spencer Lam, Knox Advanced Engineering Pty Ltd.

Spencer joined KAE in 2010

Spencer has more than 30 years experience in building services on residential, commercial, retail, hospitality, education and health care buildings. He specializes in the design and construction management of lighting & power, back-up power supply, fire detection and emergency warning, IT, audio & visual, security, BMS, vertical transportation, and car park management systems. He has worked on projects in Australia as well as overseas, such as Hong Kong, Indonesia, Dubai and Jordan

Position in Firm

Senior Electrical Engineer

Specialisation

Electrical

Key Experience

Spencer has extensive experience in the design and construction management of electrical services in residential apartments, office towers and fit-out installation, shopping centers and tenancy fit-out, hotels, hospitals, nursing homes, schools, universities, airport terminal, railway stations, football stadium, convention centers, and entertainment facilities.

Education and Professional Status

- B.Sc. – Sydney University
- B. Eng. Electrical – Sydney University
- Dip. Illumination Design – Sydney University

Project Experience

Residential

- Civil Square Apartments – Newcastle (10 level building with 58 apartments)
- Luxor Apartments – Newcastle (8 level building with 24 apartments)
- Charlestown Apartments – Newcastle (18 apartments)
- Waugh Street Apartments – Newcastle (18 apartments)
- Taman Anggrek Condominium – Jakarta , Indonesia (8 towers of 36 floor

each with 2800 apartments)

- Saraya Aqaba Apartments – Aqaba, Jordan (600 apartments, 94 townhouses & 62 villas)

Education

- Shellharbour Anglican School – New School
- Macquarie Anglican School – Extensions
- Dorrigo High School – Upgrade
- Tamworth TAFE – Extension
- Clarendon Public School – New school
- Charles Stuart University – New Laboratory

Commercial

- St. Patrick Commercial Center – New castle
- Country Energy Office Building, Port Macquarie – New Office Center
- Maitland Building Society – Office Extension
- Mulia Office Tower – Jakarta, Indonesia (New 30 floors office tower)
- Dubai Marina Office Tower – Dubai (New 40 floors office tower)

Health Care

- Walcha Hospital – 50 Bed New hospital
- Guyra Hospital – 50 Bed New hospital
- Erina Health Center – New Health Care Center
- Tobwabba Medical center –New Health Care Center
- John Hunter Hospital – New Teaching Hospital

Aged Care

- Warnervale Aged Care – New 60 bed hostel
- Colonel Barney Drive Nursing Homes – New 100 bed hostel
- Lake Road Nursing Homes – New 108 bed hostel
- Kurri Kurri Hostel – 50 bed extension
- Bilyara Retirement Village – 50 bed Extension
- UPA Orange – 50 bed extension

Hotels

- Jumeirah Hotel – Aqaba, Jordan (300 room 5 star hotel)
- Westin Hotel – Aqaba, Jordan (300 room 5 star hotel)
- Emaar Address Hotel – Dubai (200 room 5 star hotel)
- Grand Melia Hotel – Jakarta, Indonesia (400 room 5 star hotel)
- Melia Purosani Hotel – Yogyakarta, Indonesia (200 room 5 star hotel)

Retail

- Edgeworth Mall – Newcastle (Cole as anchor tenant)
- Dubai Marina Mall – Dubai (200 high end retail shops)
- Saraya Aqaba Mall – Aqaba, Jordan (400 shops mall)
- Dubai Towers Mall – Dubai (180 high end retail shops)
- Taman Anggrek Mall – Jakarta, Indonesia (500 shops mall with ice skating ring, cinemas etc.)
- Makro Supermarket – Jakarta, Indonesia

Airports

- Newcastle Airport Extension – Newcastle

Sporting Facilities

- Energy Australia Western Grandstand – Newcastle
- Saraya Aqaba Water Park – Aqaba, Jordan
- Aqaba Beach Club – Aqaba, Jordan
- Taman Anggrek Ice Skating Ring – Jakarta, Indonesia

Misc. Projects

- Wellington Ambulance Station
- Wellington Police Station
- Dubbo TAFE – New Performance Center
- Department of Agriculture, Wagga – New Laboratory
- Department of Agriculture, Orange – New Conference Center
- Nelson Bay Visitor Center
- Kennard Hire – Rydalmere
- Swansea Caravan Park
- Argenton E.A. Substation – Newcastle (New Substation)
- Aqaba Conference Center – Aqaba, Jordan (New Conference Center with 6 halls, a press hall and cinema)