For more information, please visit our website at:
www.electritects.com

green building council australia
ACCREDITED PROFESSIONAL

PARTNER KNX

Sydney ▪ Australia

Eco-friendly paper sourced from sustainable forestry

ELECTRITECTS
ELECTRICAL ENGINEERING

Architects of Electrical Engineering Solutions

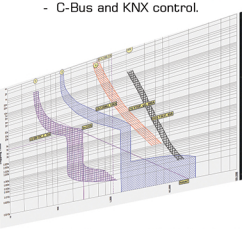
LOW VOLTAGE

SAFETY

- Design of Essential Electrical services for compliance with DA conditions.
- Design of smoke detection and alarm systems.
- Lightning protection assessment and design.

LIGHTING

- Software modelling of lighting installation.
- Indoor and outdoor lighting design.
- C-Bus and KNX control.



VERTICAL TRANSPORTATION

- Advice on lifts selection.
- Traffic modelling.

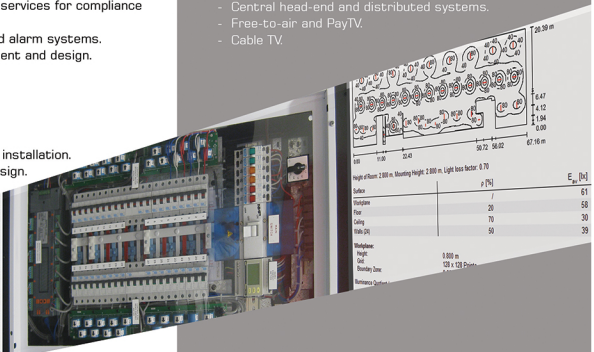
POWER

- Main Switchboards and Distributions Boards design.
- Modelling of electrical installations.
- Maximum demand calculation.
- General power distribution.
- Integration with Solar Systems.
- Arc Flash calculations.

RESIDENTIAL • COMMERCIAL • INDUSTRIAL

MATV

- Central head-end and distributed systems.
- Free-to-air and PayTV.
- Cable TV.



AUDIO-VISUAL

- Small to large scale point and distributed audio system design.
- Complete design documentation in line with InfoComm standards.

TELECOMMUNICATIONS AND NETWORKING

- Design of intercom systems.
- Design of CCTV installations.
- Hydraulics Meters Data Loggers Diagrams.
- Fibre and Copper structured cabling reticulation.
- Design of Fibre Ready installations.

HIGH VOLTAGE

IN-HOUSE:

- Complete MV installation design up to 33kV.
- Swing analysis of overhead wiring.
- Earthing design.

IN PARTNERSHIP:

PRIMARY PLANT

- Power Transformer testing.
- Current and Voltage transformer testing.
- Circuit breaker testing.
- Earthing system testing.
- High voltage cable testing.
- Power frequency testing.
- Primary injection testing.
- Generator testing and commissioning.

SECONDARY SYSTEMS

- Factory and site acceptance testing of protection & control relays.
- Protection scheme cut over and functional testing.
- Routine protection system maintenance.
- Protection settings and test record database management.
- Fault recording and play back facilities.

COMMISSIONING

- Secondary system design review.
- Auditing of commissioning processes.
- Contract liaison.
- System outage co-ordination.
- Inspection and test plan development.
- Co-ordination with external requirements.
- Site and Project Management.