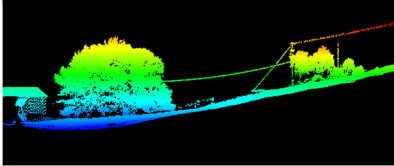
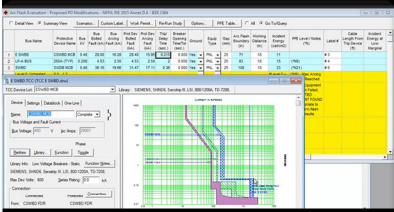




# Capability Statement

## Power System Analysis & Embedded Generation



**1.2 Report**  
The report includes the following:

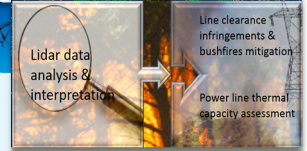
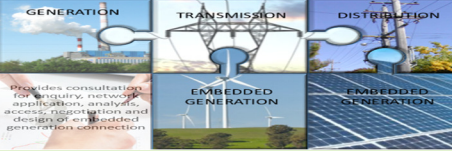
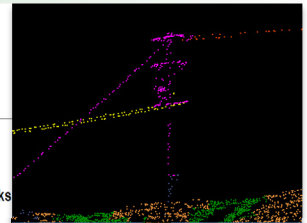
1. Protection compliance summary
2. Arc flash hazard category summary tables.
3. Protection non-compliance recommendations.
4. Arc flash recommendations.
5. Input data for system analysis.
6. Protection assessment criteria.
7. Arc flash assessment methodology.
8. Protection setting assessment tables with associated recommendations.
9. Arc Flash detailed assessment results.



### Factsheet – connection process for embedded generators

Connection process under final rule

The Australian Energy Market Commission has made a rule to reduce barriers to the connection of embedded generators to distribution networks. The new rule introduces a clearer, more transparent connection process.



We are a small team of highly experienced and motivated professionals who pay close attention to the clients' needs and provide services for planning, design, delivery and asset management phases of the assets. Our professionals have demonstrable experience in the services we offer. We can bring our principals to the shop floor or to the project easily because we operate with less overheads and our focus is to solve problems in collaboration with the asset owners and the end users. Please see our project list for further details.

**OUR TEAM**

**Brama Bramanathan**  
Principal Electrical Engineer  
MIEAust CPEng NPER RPEQ  
27 years of planning, design, O & M and power systems analysis experience

**Yanaka Jayathilaka**  
Principal Electrical Engineer  
MIEAust CPEng NPER RPEQ  
22 years of planning, design, O & M and power system analysis experience

**Upul Walisundara**  
Principal Electrical Engineer  
MIEAust CPEng NPER MIET (London)  
30 years of planning, design, project management and construction experience

**Ananda Gunasekara**  
Principal Mechanical Engineer  
MIEAust  
27 years of design, project management and construction experience

**SERVICES**

We add value to the client's businesses.

**Power System Analysis & Studies**

- Load flow & power quality
- Short circuit & Arc flash
- Protection Coordination
- Power system stability
- Distribution Overhead lines clearance infringement analysis

**Embedded Generation connections**

- Enquiry up to Connection stage support for
- Consultation and negotiation with transmission, distribution and AEMO and local governments
- National Electricity Rules compliance

**Energy and Demand Management**

- Energy Audits and Tariff analysis
- Displacement & distortion power factor correction
- Demand response and customer energy cost savings

**TEAM'S ENGINEERING EXPERIENCE**

Our team's previous experience is predominantly in Utilities and Consultancies.

**Power Transmission & Distribution**

- Network technical studies on T & D networks for operations, augmentation, upgrades and network access
- Design compliance assessment of transmission lines and feeders

**Power Generation**

- Network technical studies for embedded generation connections
- Distributed generator performances and compliance assessment
- NER compliant grid connections

**Industrial Systems**

- Network technical studies for mines electrical infrastructures
- Safety and compliance assessment including SIL and Hazardous areas
- Arc flash hazard assessment & protection coordination
- Earthing system performance and integrity assessment

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