



## Max Michael

Specialist Consulting Engineer

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Max has over 50 years experience in the electricity industry and consulting on power supply systems. Experience covers coal production, generation, transmission and distribution with specialist experience in power system analysis reliability and economics. Max can offer advice on a wide range of aspects of power supply. He is a qualified electrical engineer and has 35 yrs experience in the electricity supply industry and 20 yrs as a consultant.

He is highly respected by his industry peers for his first principals approach to Engineering Analysis and Solutions

### Specialist Areas

- Steady state analysis of power systems
- Dynamic and transient analysis of generation and motor systems
- Study of harmonics in power systems
- Economics of power supply systems
- Reliability of power systems
- Planning of transmission and distribution systems

### Significant Projects

- Electrical design for the Playford A & B Power Stations including coal preparation and handling systems at the power stations and Leigh Ck Coal Field.
- Transient and voltage stability analysis of the Gladstone to Brisbane 275kV interconnection including the installation of a braking resistor.
- Planning and stability investigations for the Tarong to Brisbane 275kV interconnection.
- Subtransmission and Primary distribution system development plans for Wagga Wagga, North Coastal Region of Tasmania, South Eastern NSW, Areas of Brisbane and other places.
- Planning design and construction of Rouna C Power station and several diesel power stations in Papua New Guinea

### Qualifications, Professional Membership & Industry Involvement

- BE (Electrical, 1951)
- ME (1976)
- BA (majors in economics & geography, 1975)
- FIEAust MIEE



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*Hill Michael is a specialist electrical networks and strategic engineering firm. Focused on the application of engineering expertise in the context of organisational and project strategy, Hill Michael is a leading advisor to owners of electricity supply networks and those wishing to connect to them. Established 1987.*