

BRAMA BRAMANATHAN

Electrical Consultant - Distribution & Subtransmission

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Brama has recently commenced working for Hill Michael in May 2011 and has over 30 years experience working in the electrical power industry with some 20 years in Australia.

He commenced his career with Malaysia Mining Corporation where he spent seven years as the Resident Electrical Engineer responsible for the 66kV subtransmission, and 11kV / 415V distribution systems with a connected load of 150MW. In addition, he was responsible for protection, control and instrumentation systems for the power supply network and the mining equipment.

Upon moving to Australia in 1985 Brama accepted several Chief and Lead Engineering positions with top performing companies such as Worley Parsons Pty Ltd, Lincolne Scott Pty Ltd and ActewAGL.

With Hill Michael Brama specializes in subtransmission and distribution network planning and asset delivery.

Specialist Areas

- Planning , design and installation electrical power subtransmission and distribution systems
- Network performance assessment fault level analysis, arc fault hazard evaluation, harmonic disturbance analysis and protection coordination studies of electrical power systems.
- Expert knowledge and experience in the selection, installation and operation
- Embedded generator selection, installation, operation and maintenance.
- Experienced in the design and installation of SCADA and PLC based control systems.

Significant Projects

- ActewAGL Network Planning, Performance and Standards Manager - Responsible for the development and implementation of the ActewAGL132kV subtransmission and 11kV distribution networks plans and strategies for the development of the electricity supply network in the ACT. The work also included the development of distribution network standards and the connection of embedded generation
- ActewAGL Project Implementation Manager – Responsible for the design of the distribution network and streetlighting infrastructure projects relating to the capital works program.
- Evaluation of the performance of electrical power with particular emphasis on network reliability and safety. Network performance required the analysis of the system for demand, load flow and fault level studies, protection system coordination, arc flash hazard analysis including the design and testing of substation earthing systems.
- Detailed engineering design and specification, installation of equipment and services for a Nitrogen Liquefier plant at Port Kembla, NSW. The project included the HV substation design and installation with its associated witching equipment, protection control and instrumentation systems.

Qualifications, Professional Membership & Industry Involvement

- Bachelor of Engineering – Electrical and Electronics (Hons), University of Singapore
- Member of Engineers Australia MIEAust, CPEng, NPER
- Registered Professional Engineer - Board of Engineers (Qld), RPEQ



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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.