

Acutel Consulting Capability statement

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Acutel Pty Ltd trading as Acutel Consulting

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1. Experience

Acutel Consulting's experience includes:

- > Business Development and Modelling
- > Management Consultancy
- > Business Consultancy
- > Feasibility and Strategic Studies
- > Preparing Business Cases and Board Papers
- > Tender Preparation, Evaluation and Contract Negotiation
- > Contract Preparation, Management
- > Project Management, Contract Superintendent and Works Inspection
- > Engineering Planning, Design and Economic Studies
- > Asset Management
- > Safety and Environmental Consultancy and Auditing
- > Risk and Compliance Management
- > Emergency and Business Continuity Planning
- > IT and Database Development and Management

2. Specialist Fields

Acutel Consulting specialises in providing advice to industry in the following fields:

- > Electrical, Mechanical and Structural Engineering
- > Power System Engineering
- > Power System Secondary Systems Engineering including SCADA, Protection and Operational Telecommunications
- > Telecommunications Consultancy and Technical Services
- > Radiocommunications Interference Studies and Mitigation Strategies
- > IT and Database Development and Management
- > Occupational Health and Safety
- > Specialist Recruitment Services

3. Engineering Services

Examples of engineering services consultancy work that Acutel Consulting has undertaken include:

- > Participation in the design, preparation of specification and tender, contract negotiation and project management of integrated substation security projects comprising access control, electric fencing, visual monitoring and intruder detection systems for our electricity transmission clients. We have undertaken one project in Tasmania comprising 45 substations and we are undertaking another in Queensland initially comprising 27 substations.
- > Development of the electro-magnetic interference (EMI) section of the National Windfarm Development Guidelines;
- > Provision of radiocommunications engineering consultancy services (including conducting EMI interference studies and/or EMI mitigation studies, and contributions to the development applications as required) for the establishment of a number of wind farms in South Australia and Victoria, including:
 - Waterloo in South Australia;
 - Robertstown in South Australia;
 - Stony Gap in South Australia;
 - Sidonia Hills in Victoria.
- > Participation in the design, preparation of specification and tender, contract negotiation and project management of numerous operational telecommunications and related projects for our electricity generation and transmission clients including major projects such as the implementation of:
 - the Tasmanian mobile radio network;
 - an operator console and dispatch system for our client's network operations centre;
 - a statewide digital microwave radio network;
 - operational telecommunications for Wind Farm sites in Tasmania in South Australia
- > Undertaking the 2009 and 2010 Reliability Review for the Tasmanian Power System;
- > Preparing an optical ground wire (OPGW) rollout strategy and providing project implementation consultancy advice;
- > Consultancy services to various electricity supply industry participants concerning the power system frequency standard;
- > Consultancy services to a national electricity market company on the development of power system stability guidelines;
- > Consultancy services to the national electricity rules making body on revisions to the National Electricity Rules (NER) to better incorporate wind technical standards;
- > Advice to Tasmanian market participants on operational control and market telecommunications associated with NEM operation and Basslink integration.
- > Development and documentation of various processes and procedures in preparation for Tasmania's entry into the National Electricity Market (NEM), including:
 - Documentation of power system contingency plans;
 - Development of transmission planning/reporting processes;

- Outage planning process definition and development;
 - Implementation of telecommunications systems requirements.
- > Advice to Tasmanian market participants on NEM operation, Basslink integration and ancillary services issues.
 - > Provision of mechanical and electrical asset management consultancy services to electricity supply companies in New South Wales, Queensland, and a zinc smelter in Tasmania;
 - > Review and documentation of asset boundary philosophy issues within the Tasmanian Electricity Supply Industry (TESI);
 - > Undertaking various power system incident investigations for transmission and distribution companies in Tasmania;

4. Business Services

Examples of business services consultancy work that Acutel Consulting has undertaken include:

- > The development and establishment of a new telecommunications services company in Tasmania, TasTel including consultancy services relating to the establishment of the billing system, services fee modelling, and other business systems, processes and services.
- > Providing business and engineering consultancy services to our electricity industry Client relating to the sale of their Telecommunications business, and the service agreement for continued provision of services back to our Client by the purchaser, including: negotiation of the sale and purchase agreement; and strategic and tactical matters relating to services provided by the business.
- > Provide business consultancy services to our Client relating to an organisation wide review of project delivery processes. The project involved documenting the existing process, interviewing staff and reporting on the outcomes.
- > Development of a market model for access pricing for our Client's optical fibre assets. Acutel Consulting led the bid and after being awarded the contract, addressed the technical aspects of the study. We engaged a specialist economics consultant to assist in providing expert advice relating to the competitive market position that our Client should adopt in relation to selling services over its OPGW (Optical Fibre Ground Wire) assets.

5. Technical Services

Examples of technical services consultancy work that Acutel Consulting has undertaken include:

- > Conversion of an old substation building in Hobart to an IT Data Centre for one of our electricity industry Clients involving: the demolition of the interior; lining of walls and ceiling and installation of a false floor; power and signal cabling; installation of cable trays, security alarm system, and fire suppression and alarm system; and power supply equipment and batteries in preparation for the installation of customer data centre racks and equipment.
- > Providing works inspection services for major electrical substation and substation security upgrade projects.

- > Conduct the preventative maintenance routines for the DC power systems in a state wide multi-site telecommunications network.
- > Installation of battery charger and batteries for various telecommunications and IT installations.

Please note that our clients' names have been withheld from the above examples of services we have provided to preserve client confidentiality. We can provide client references if required.