



## *Peter Marks - RESUMÉ*

### *Personal Details*



**Name:** Peter Beaumont MARKS

**Position:** Consultant, Power Plant Operations

**Born:** 1936

**Nationality:** Australian

**Languages:** English (Native language)

**Qualifications:** Bachelor of Engineering (Mech),  
University of Queensland 1960

**Affiliations:** Member, Institution of Engineers  
Australia  
Member, Association of Professional  
Engineers and Scientists of Australia

### *Key Technical Capabilities*

- Power Station Commissioning
- Construction Project Planning
- Project Management
- Power Station Refurbishment Assessment
- Negotiation of Power Purchase Agreements
- Power plant testing and evaluation of coal performance

### *Career Resumé*

2000 – 2006: Consultant Power Plant Operations for **UST**. Witnessing and reporting on trial burns of new coals in power plants in Australia and Asia. Investigating causes of boiler mal-functions and recommending remedial actions.

1998 – 2000: Project Manager, WH Heck & Sons. Development of project parameters for renewable energy project associated with the Woongoolba Sugar Mill. Establishment of renewable fuel supplies for 30 year project

1958 – 1998: AUSTA Electric (formerly Queensland Electricity Commission)

- Manager Projects, Business Development Department: Project initiation and establishment of joint venture and company structures. Development of renewable energy projects using biomass as fuel.
- Principal Commercial Engineer - Project Bidding Group: Development of a proposal to construct a 780 MW base load gas fired power station at Townsville, Pinnacles Power Station. Development of estimating procedures and estimating capacity for AUSTA Electric.
- Principal Commercial Engineer - Queensland Electricity Commission Corporate Group: Negotiation and administration of non-utility generator electricity supply agreements. Negotiation and administration of electricity supply agreements with major customers.
- Project Manager - Gladstone Power Station Refurbishment: Proposing refurbishment strategy and budget potential. Planning metallurgical surveys and plant reviews. Identification of potential refurbishment works. Review of rectification proposals. Review of investment proposals. Management of design and procurement. Contract administration. Project management of implementation.
- Project Engineer - Callide Power Station Construction: Project planning and staffing of project. Development of industrial relations strategies. Contract administration. Project management. Development of zero discharge regimes.



- Site Manager - Gladstone Power Station Construction: Responsible to the Project Manager for; site management and supply of site services; coordination of site industrial relations; construction co-ordination; quality assurance of site works; commissioning co-ordination.
- Commissioning Co-ordination Engineer - Gladstone Power Station: Responsible to the Site Manager for co-ordination of commissioning prerequisites and programs; control of energising procedures; establishing and implementing permit to work procedures; supervision of all plant commissioning and operation to handover of commercially operating generating units.
- Control Interface Development Engineer - Gladstone Power Station: Responsible to the Development Department Manager for developing the operator interface for the boiler/turbine units; reviewing control proposals for all plant; carrying out factory witness testing of the burner management and boiler safety system.
- Efficiency Engineer - Swanbank Power Station: Responsible to the Station Manager for co-ordination of commissioning activities; development of operating procedures; developing thermal performance monitoring systems; supervision of plant acceptance tests; reporting on station thermal performance; detection and diagnosis of plant problems; investigation of combustion failures and implementation of corrective action.
- Junior Engineer - Bulimba Power Station: Responsible to the Station Manager for monitoring of thermal performance; detection and diagnosis of plant problems; development of standard boiler and turbine operating procedures; development of stress controlled turbine starting.
- Testing of potential export coal at Gladstone Power Station to evaluate full-scale performance of the coal.
- Trial burns of Indonesian coals in India, Taiwan, Indonesia and Hong Kong.
- Trial burns of Australian coals in Australia, New Zealand, Philippines and South Korea.

## Key Publications

Marks, PB and Garlick PM, 1975. Starting Reheat Steam Turbines Experience with and without an HP Steam Bypass. The Institution of Engineers Qld Division.

Marks PB, 1985. *Unit Start-up*. ESAA Mechanical Residential School.

Marks PB, Ballinger MK and Buchbach, 1988. *Effluent Disposal Callide B Power Station*. The Institution of Engineers Qld Division.

Marks PB, 1992. *Gladstone Plant Improvement Project*. ESAA Mechanical Residential School.

## Relevant UST Projects

- Trial burn of an Indonesian coal at a power plant in Taiwan to ensure that the coal performed satisfactorily in the plant
- Testing of new domestic coal products at Swanbank PS, Qld. Testing to evaluate the impact of these products on the performance of the plant and the satisfactory use of the products.

### Contact:

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