

## Distributed Control System Projects

The majority of modern power plants and other large continuous industrial processes are controlled by distributed control systems (DCS), which are optimized for complex calculations, logging and control, and provide an integrated environment at every level from field i/o to operator interface and management IT.



**PROVECTA** is an engineering consultancy specialising in automation and control systems with one of the widest ranges of hands-on DCS expertise in the Australian power generation industry. Whilst not aligned to any particular vendor, Provecta's engineers have been involved in many DCS projects at various levels, including:

### Owner's engineer:

- Project development \*\*
- Project management \*\*
- Design standards (automation, control concepts, protection, instrumentation, redundancy, architecture, IT security, graphics, alarms, etc)
- Performance standards and requirements
- Control room requirements
- Training Simulators \*\*
- DCS/ PLC/ SCADA integration
- Specification preparation and analysis

### Full DCS implementation:

- Hardware supply and installation
- Full power plant DCS functional design, configuration, testing, commissioning and tuning
- Documentation and training \*\*

### DCS vendor project services:

- Concept design
- Verification and validation
- Database development and management
- Interface and cabling design
- Sub-system (eg BMS) configuration and testing
- Design management
- Commissioning management

### Our DCS equipment capability includes:

- Siemens
- Yokogawa
- Toshiba
- ABB (Bailey)

### DCS enhancement and optimisation services:

- Automation level improvements
- Advanced controls implementation
- Loop tuning and performance optimisation
- Alarm analysis and reduction \*\*

Please contact Mr. Andrew Oates to discuss further where **PROVECTA** can add value to your DCS project.

### Mr Andrew Oates

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\*\* Refer our brochures specifically on these topics for more detail

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