



A Yokogawa Commitment to Industry

**vigilance**<sup>™</sup>

## SUCCESS STORY

### Revamping Maximizes Availability

### Wallerawang Power Station, Delta Electricity, Australia

**Location:** Wallerawang, NSW, Australia

**Order Date:** 1994

**Completion:** 1995

**Industry:** Power



Wallerawang power station is a major power plant in NSW owned by a corporatized government entity, Delta Electricity. Providing cost-effective, safe, and reliable electricity, the plant has played an important part in the development of the western coalfields.

Wallerawang Power Station has a total capacity of 1,000 MW provided by two generating units of 500 MW capacity. The station produces electricity using pulverized coal-fired boilers and steam-driven turbogenerators. Delta Electricity owns Wallerawang and three other stations in New South Wales.

The boilers are dual-furnace tangentially-fired, forced circulation with reheat. The turbogenerators are tandem compound reheat with single-flow high pressure, double-flow intermediate pressure and two double-flow low pressure exhaust cylinders. Coal is provided by the nearby Angus Place colliery via private road, and is supplemented by supplies from other privately-owned mines. Up to 2.2 million tons of coal are consumed each year.

Yokogawa Australia provided the control system for the station revamp, and Pacific Power International provided the configuration engineering services. Delta Electricity selected Yokogawa for the Wallerawang Power Station revamp because of the extremely high reliability of the CENTUM CS system, the competitive price, and the excellent support facilities available from Yokogawa.

---

<b>System:</b>	<b>CENTUM-XL / CENTUM CS</b>
<b>Total I/O:</b>	<b>Approx. 10,000</b>
<b>Scope:</b>	<b>System, project management, configuration assistance, commissioning assistance</b>
<b>System Configuration:</b>	<b>(unit 1) CENTUM-XL 15x EFCD-H2, 2x EFGW, 2x EOPS, 1x ENGS (unit 2) CENTUM CS 4x BCV, 2x ICS stacked, 1x FCS, 1x HICS Unit computer 1 HP9000/H20 (station plant) CENTUM CS 5x FCS, 3x ICS Stacked, 3x PICS, 2x ACG 4 X-terminals Unit computer 1 HP9000/H20</b>

ISD-SP-R026

All Rights Reserved, Copyright©2003, Yokogawa Electric Corporation

**YOKOGAWA**