

WASTE WATER TREATMENT

Project Overview:

The Plant is one of Australia's most technically advanced and environmentally sensitive treatment plants. The key feature of this plant is the very high quality of treated water that is produced, satisfying Noosa Council and the community requirements. These requirements are among the highest standards in the world.



AUSTRALIAN WATER SERVICES

Details:

The total system consists of 150+ I/O controlling the main blower drives and control valves based on the monitoring of a number of level and flow transmitters. Due to the critical nature of the system, it has been designed in a triple redundant configuration. Individual PLC's and support hardware are installed with both hard-wired and network communications between units. A fully redundant Cimplicity Plant Edition SCADA system provides supervisory functions and meets both council & EPA reporting requirements.

The main functions of the Process Plant PLC are:

- Triple redundant control system
- Aeration Blower Speed Control
- Blow off Valve Control
- Operator Interfaces
- Remote Plant Dial-in Facility

PLC - 9030

SCADA - Cimplicity Plant Edition

NETWORK - Dual Ethernet

