

Trinidad and Tobago Operation Control Centres

Trinidad and Tobago's water system comprises of a number of treatment plants and a number of transmission systems. Operations for Trinidad are divided into North and South Operational Centres. There is a separate Operational Centre for Tobago.

The project was involved with the design of a SCADA system for the entire water system. The three Operational Control Centres will feed data/information to the Water and Sewerage Authority's central offices. Each Operational Control Centre in Trinidad will have a radio link to a Master Station which will communicate with remote sites (pumping stations, reservoirs, chambers, etc). Each Operational Control Centre will also tie into the major plants via a Wide Area Network (WAN). Additionally a fully redundant system was designed for Trinidad where one Operational Centre could take over operations for the other Centre.

The project involved field surveys for radio communications, the results of which were incorporated into the detailed design of the system.

The Operational Control Centres will provide all operating functionality via graphical interfaces, including data logging, trending, reporting and alarms. The SCADA system, initially designed for approximately 120 remote nodes (water supply and transmission), will have the capability to include over 600 nodes ultimately.



