

TLC Controls Incorporated can custom design, build and test your complete Municipal Water and/or Wastewater Supervisory Control and Data Acquisition (SCADA) system. Using off-the-shelf components and open-architecture software components TLC provides user friendly "turn-key" control and monitoring systems. With our systems you are not locked into a unique proprietary systems that only one supplier can service. Our PLC based systems can be serviced and revised by any number of system integrators.



A typical SCADA master control system consists of PLC, radio, desktop PC and printer.

### What is SCADA?

SCADA is an acronym for Supervisory Control and Data Acquisition.

### How does it work?

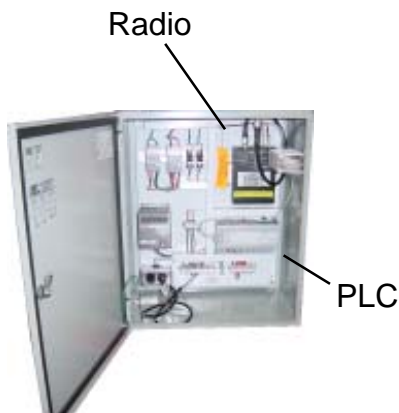
A master control panel gathers information from remote sites by radio signal, telephone lines, ethernet, or other communication protocols then takes this data and presents it in a user friendly format for use by administrators and operators.

### How can we benefit from a SCADA system?

Installing a SCADA system will provide operators the ability to monitor your critical systems; water level in elevated tanks, zone water pressures throughout the municipality, sewage wetwell levels, alarm conditions, etc. Not only can these systems be monitored, but the data can be recorded and presented in reports and spread sheets saving hours of manual data gathering. In addition remote sites can be monitored for unauthorized entering, vandalism and terrorist activities.

### How much will it cost?

The cost of a typical SCADA system can be payed back in about one year of labor cost savings. Having a history of data, ability to trend this data and accurately predict future requirements, and closely monitoring alarm conditions can be priceless.



Remote terminal units (RTU's) gather data from local systems and transmit data via radios to master PLC

