



## San Antonio Water SCADA System

**Client: San Antonio Water System**

**Location: San Antonio, TX**



### System Features

- DYNAC® SCADA Software •
- Data Warehousing •
- Spread Spectrum Ethernet Radio •
- Licensed Serial Radio •
- Fiber Optics Ethernet Network •
- Redundant Servers •
- PLCs •



The San Antonio Water System (SAWS) serves approximately one million people in the urbanized part of Bexar County including approximately 300,000 separate customers. The population of the County is projected to increase to 2.2 million by 2050, and its water demand will roughly double over that period. An important component of San Antonio Water System's planning role is the responsibility to protect the purity of the Edwards Aquifer water, including enforcing city ordinances related to subdivision development.

Transdyn was selected by SAWS to upgrade the DYNAC® managed SCADA Systems at its Heating and Cooling facility and provide a new SCADA system at the Twin Oaks Aquifer Storage and Recovery (ASR) facility.

The Heating and Cooling facility SCADA system is comprised of redundant servers, remote Programmable Logic Controllers (PLCs), a backup control system, a spread spectrum Ethernet radio network, and a licensed serial radio network. From the control room, operators are able to monitor and control the SCADA systems at both facilities.

The Twin Oaks ASR SCADA system is comprised of redundant servers and remote PLCs for data transmission, all of which communicate over an Ethernet based network.

The new systems provide faster performance and new development tools for reports, graphics and database maintenance.