

Town of Cave Creek SCADA System

Project Name: Town of Cave Creek SCADA System
Location: Neary Tank, Rockaway Tank, Carol Height BPS Sites, & WTP Expansion, Town of Cave AZ
Owner: Town of Cave Creek Water Services Department
Project Construction Cost: \$15.2M

The Town of Cave Creek Water System Upgrades Project involved four facilities: expansion of the Water Treatment Plant, a new Neary Storage Pump Station, upgrade on the Carol Heights Booster Pump Station, and upgrade on the Rockaway Hills Storage & Pump Station. These new facilities have expanded the Town of Cave Creek’s water storage, distribution, and treatment capacity for the Town’s future growth.

The project required a fast track development and construction approach in order to keep the Town’s needed one year completion time period.

Project includes the following SCADA features:

- Fully automated 2 MGD Water Treatment Plant Expansion;
- Fully automated 1.2 MG Storage & VFD Controlled Pump Station;
- Fully automated 2.0 MG Storage & VFD Controlled Pump Station;
- 2.4GHz Unlicensed Radio Communication Network system;
- Modicon PLCs (Premium, Quantum, & Momentums);
- Unity Pro and Concept for PLC development;
- Wonderware conversion to Intouch Ver10.0;
- Wonderware Historian (Industrial SQL Server) version 9.0;
- Wonderware SCADAAlarm.

