PROJECT PROFILE
Automation Consultant and On-Call Integration
Water Replenishment District of Southern California

Client background

The Water Replenishment District of Southern California (WRD) is the largest groundwater agency in California, managing and protecting groundwater resources for 4 million residents in the most populated county in the US. WRD owns and operates several assets including a 5MGD capacity desalter (Goldsworthy), an 8MGD advanced water treatment facility (LVL), and is in the process of constructing a second AWTF (GRIP/ARC) with expansion capacity of up to 29.6MGD.

Project background

In 2016, WRD awarded EA a five-year professional services agreement to provide on-call SCADA integration services. WRD sought a long-term, trusted partner to manage their SCADA system.

The original scope of the contract included projects to combine separate Wonderware SCADA systems at their facilities into one centralized Wonderware Galaxy, to provide automation and SCADA consulting, and to act as an extension of staff through several ongoing capital projects. The GRIP/ARC project was challenging, and EA helped WRD's contractors remain on track and comply with standards.

EA solution

EA's key impact on WRD has been implementing several systems and procedures which promoted standardization, improved testing processes, and improved their design requirements. EA managed several integrators through the process, providing technical and operations training, reviewing designs and specifications, and participating in Factory Acceptance Testing.

EA's influence raised the bar for planning, deployments, and quality expectations.

Project Manager

Josh Riley

Project Technical Lead

Alex Coker

Key Insights:
- Provided Full System Audit of 7 facilities and dozens of PLCs
- Developed SCADA, PLC, network, and tag naming standards
- Managed two systems integrators

Key Technologies:
- Allen Bradley PLCs
- Wonderware System Platform and InTouch HMI
- Wonderware Historian
- VMWare virtualization

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