AURIGA CORPORATION
SCADA CONSULTING SERVICES

For the past twenty years, Auriga Corporation has developed an industry-wide reputation for high-quality, value-added services. Auriga is recognized as a premier provider of consulting services for design and implementation of Supervisory Control and Data Acquisition (SCADA) systems. Auriga has developed an extensive capability across a wide range of SCADA, telemetry, instrumentation, process control and communication technologies applicable to the latest state-of-the-art control systems. Auriga engineers have a wide variety of expertise in all facets of control and communications systems.

One of the major issues facing all electric utility companies that utilize SCADA systems is compliance with multiple regulatory requirements, industry standards, guidelines, and best practices. Auriga simplifies utility readiness by performing gap analysis and assessments to fully prepare clients for a complete NERC CIP (Critical Infrastructure Protection) compliance audit, and to arm them with the knowledge and tools necessary to maintain the integrity of their cyber security.

The technology and services required for these sophisticated and highly specialized systems are provided by Auriga's SCADA group. The SCADA group is equipped to ensure clients have robust and reliable SCADA systems for their Electric Transmission and Distribution Networks.

REPRESENTATIVE SCADA PROJECTS:

US Navy, Pearl Harbor SCADA System Upgrade. Consolidate two SCADA systems (Transdyn and Wonderware) – Design Specifications
NAVFAC Naval Facilities Engineering Command

Design, development and procurement specifications for a new SCADA system suitable for both power and water operations on a single platform
Glendale Water & Power

SCADA System Expansion Preparation of requirements document and technical specifications for remote terminal units (RTUs) to be installed at distribution substations
PASADENA

AURIGA SCADA PROJECTS

Consolidation of Control Systems for Centralized Operation of State Water Project - Department of Water Resources (DWR)

The strategic plan and data network. The strategic plan included all wireless technologies for voice and data communications- Santa Clara Valley Water District (SCVWD)
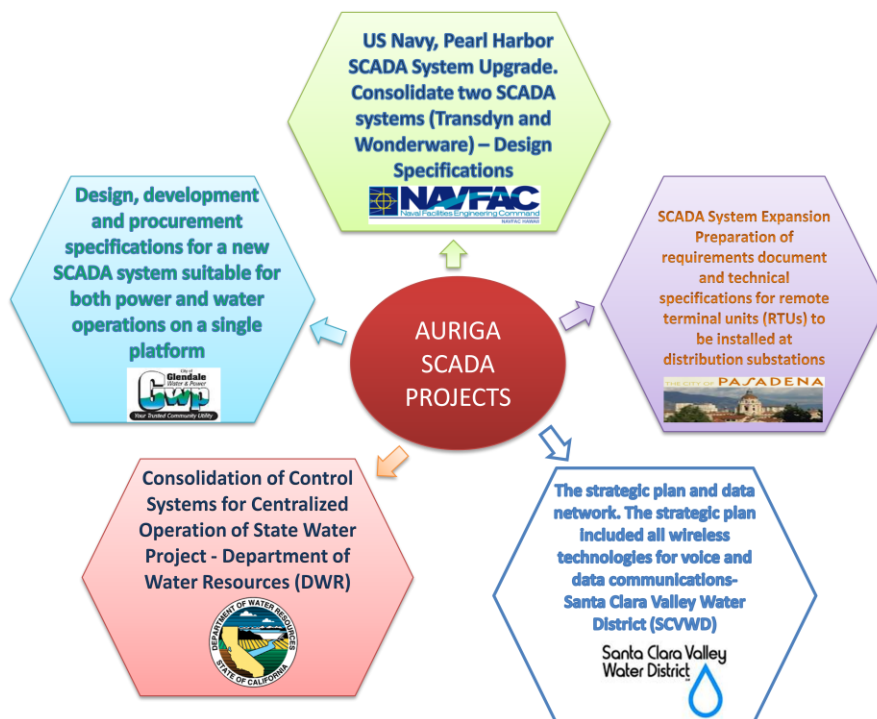Santa Clara Valley Water District

Centralized Control System Migration – California Department of Water Resources

This project developed the standards needed to replace and/or make necessary changes to the existing Control System in order to support the State Water Project migration plan, which was being operated in a decentralized mode at the five regional control areas.
The plan featured centralized operation utilizing less equipment than currently deployed in order to lower overall maintenance costs.

Tasks that were performed by Auriga included:

- Development of project management, open issue, quality control and project confirmation plans
- Defining of the future control system data requirements.
- Scoping and planning of the future system
- Developed control system equipment standards, selection, replacement plans and GAP analysis
- Procurement strategy and methodology
- Long term control system requirements including operation and maintenance procedures
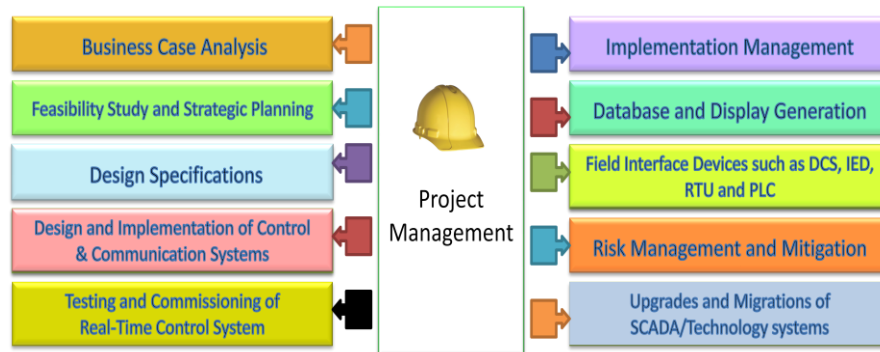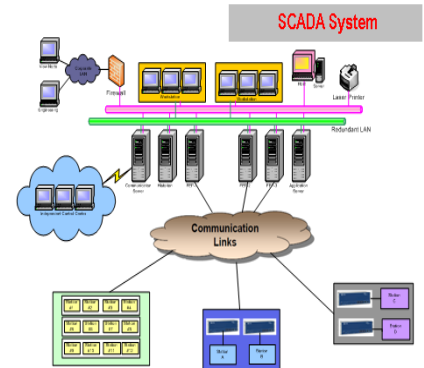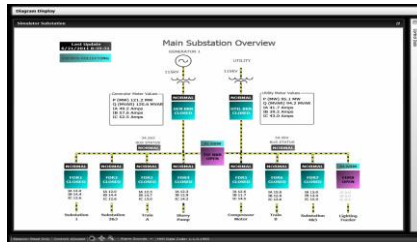- Implementation plan

SCOPE OF SERVICES:

Auriga Corporation offers a full range of SCADA (Supervisory Control and Data Acquisition) system design and development services, from traditional consulting and engineering services to providing complete, turn-key SCADA solutions that include all hardware and software fully installed, configured and commissioned.

SCADA System Services:

- Feasibility Study
- Design Specifications
- Tender Documents
- Bid Evaluations
- Contract Negotiations
- Testing
- Training
- System Support

NERC CIP

Naval Facilities Engineering Command, (NAVFAC) Pearl Harbor, Hawaii

NAVFAC retained the services of Auriga to conduct a feasibility study to consolidate two separate SCADA systems (Transdyn and Wonderware) that are currently used to monitor and control the Naval Electrical System (NES) at Pearl Harbor.

Auriga, as specialty consultant for SCADA and communications systems, performed the review and assessment of the existing systems and proposed alternatives for upgrade of SCADA system.

Project Scope included the following:

- Conduct field investigation
- Identify cost-effective alternatives to consolidate the two SCADA systems
- Develop a migration plan to consolidate the two existing SCADA systems to a new state-of-the-art SCADA system
- Prepare specifications for the major components of the new SCADA system
- Provide project management support for implementation and transition to the new SCADA system.