

New and Ongoing Projects

BART – (Line A) Power System Study Project

As a sub-contractor to Jacobs, Auriga is providing engineering services to BART to perform a power system study. The power system study includes load flow, fault analysis, protective device coordination, and arc flash studies. Auriga's scope of work includes collecting data/pictures and processing the data to create a power system study report using ETAP. It also includes performing an arc flash hazard assessment study and recommending measures to be implemented.



SFMTA – ATCS SMC Upgrade Project and Modernization of TMC Project

Auriga and its subcontractor Lea+Elliott are providing specialized train control system engineering support and oversight services to SFMTA for implementing the Advanced Train Control System (ATCS) Program. Auriga's scope of work includes the System Management Console (SMC) Upgrade and Final Cutover Projects. The SMC Upgrade project will upgrade the hardware, operating system, and applications for both revenue and training SMCs to a new release and a supported configuration. The final cutover will remove the legacy system and replace it with the SMC upgrade. Auriga is also managing the modernization of a back-up Train Management Center (TMC), which will provide a hard-wired automatic train control system console. The backup TMC will provide a critical backup location for rail operations in the event of a mandatory evacuation of the primary TMC.



Caltrain – Microwave System Upgrade Project

Auriga is providing engineering services to Caltrain to upgrade the existing Microwave System to support the IP based Advanced



Train Control System (ATCS). Caltrain currently utilizes Agency owned digital Microwave System for Rail Operations. The Microwave System provides Radio Communications Network at the Control Center Facility (CCF) in San Jose and the following Radio Based Station sites: San Carlos HQ, Monument Peak and San Bruno Mountain. The upgrade will provide a fully IP based Ethernet network for the ATCS.

Golden Gate Transit – GFI Farebox Upgrade

Auriga is developing a technical specification for a software modernization and upgrade to the GFI Genfare fareboxes. The intent is to move the Genfare back-office system into the cloud and possibly enter into a SaaS arrangement. The service area for Golden Gate Transit spans the counties of San Francisco, Marin, and Sonoma. One of the most important outcomes of the project is to make the management of fare changes less complex.



San Mateo County Transit District (SamTrans) – IT Analyst

Auriga is providing IT support to SamTrans. The scope of services includes supporting Windows OS environments, VMWare and Nutanix software, and supporting Microsoft Active Directory and GPO. Auriga will maintain and manage Data Center infrastructure, including administration of Windows servers. Auriga will provide technical assistance and second level troubleshooting to SamTrans staff to resolve issues.



SFMTA – Central Subway Project

As a subcontractor to the joint venture of HNTB and Transit Systems Engineering (TSE), Auriga is providing Design Support Services during construction to SFMTA for surface track and systems for the Central Subway project. Auriga is supporting the integration of radio, Automatic Train Control System (ATCS), fire alarm system, and deluge systems. In



In addition, Auriga is evaluating proposed contract changes and modifications submitted by the construction contractor.

Southern California Edison - Distribution Engineering Services

As a sub-contractor to Burns & McDonnell, Auriga is performing Integration Capacity Analysis work utilizing CYME Power Engineering software. Auriga is providing services for the Integration Capacity Analysis project to evaluate SCE's existing distribution system models in support of requirements set forth in the California Distribution Resource Plan.



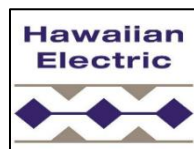
Sacramento Municipal Utility District (SMUD) – Digital Fault Recorder (DFR) Modifications – Lake Substation

As a subcontractor to Sargent & Lundy, Auriga is providing engineering services to replace DFR #1 and install a new DFR #2 so that the Transient Recorder (TR) and Sequence of Events (SER) systems at Lake are compliant with NERC Reliability Standard PRC-002-2. SMUD will need to arrange analog (current, voltage) channel assignments, circuit breaker status, Trip Indication Relay Status, and Lockout Relay status to ensure that the input channels are properly designed, assigned, and documented.



Hawaiian Electric Company (HECO) – Digitization of Drawings

Auriga is providing project management and technical support services to HECO for Digitization of Transmission and Distribution Systems Drawings. In this project, Hawaii Blueprint will scan old HECO drawings and send the scanned copies of drawings to Auriga. Auriga will perform QA/QC on the scanned drawings, assign ProjectWise attributes to the digitized drawings, and send the drawings with ProjectWise attributes to HECO.



New Employee Profiles

John Chen – IT Analyst

John Chen joined Auriga as an IT Analyst. He will be providing services to SamTrans. He has over 10 years of experience in Windows Systems Administration/Network Administration, including design, installation, and maintenance of network systems. His experience also includes desktop and helpdesk support, hardware and software installation, and configuration and troubleshooting. John has a Master's Degree in computer science.



Robert Hughes – Health & Safety Manager

Robert Hughes has recently joined Auriga as a Health & Safety Manager. He has over 25 years of experience in the health and safety field. His experience includes managing all aspects of health and safety for several companies and numerous projects. Robert has a Bachelor's Degree in Industrial Supervision. He holds CSP and CHST certifications issued by the Board of Certified Safety Professionals. He is providing health and safety services to SFMTA.



Wayne McLaughlin – PTC Manager

Wayne McLaughlin has recently joined Auriga as a Positive Train Control (PTC) Manager. Currently he is working on a Metrolink project. He has a strong background in train control system testing, field integration, and verification and validation testing.



COVID-19 Update

Auriga's offices are closed due to the COVID-19. Auriga staff are working from home. We are ready to serve our clients remotely.