

AURIGA CORPORATION TELECOMMUNICATION SERVICES



Since 1990, Auriga Corporation has developed an industry-wide reputation for high quality and value-added services and is recognized as a premier provider of professional consulting and support services in Telecommunications Systems. Auriga's Telecommunications system design and implementation approach is based on current best-practice methodologies that have been successfully developed and applied in many past projects. Auriga has a solid foundation as an ISO 9001 compliant company. Principal consultants at Auriga have an average of twenty-five years of prior experience working for public and private sector firms.



Auriga's client base is located throughout California, the United States and in countries around the world. Its Telecommunications clients include a broad base of *transit agencies, state and local agencies, and utilities.*

REPRESENTATIVE TELECOMMUNICATIONS SYSTEMS PROJECTS:

- SCADA and Communication System Design – Central Subway Project, San Francisco Municipal Transportation Agency
- Enhanced Radio Communications System – California Highway Patrol (CHP)
- Microwave System Design – SamTrans / Caltrain (Joint Powers Board)
- Microwave and Fiber Optic Repeater Technical Specifications - Southern California Edison
- Communication Plan - Metropolitan Water District, Southern California
- Voice and Data Communications Strategic Plan – Santa Clara Valley Water District
- Telecommunications Master Plan – City Of Moreno Valley, California
- Backbone Fiber Optic Network – Serbia Broadband, Serbia

Auriga is certified as a *Small Business* by the Department of General Services, State of California; *Disadvantage Business Enterprise* (DBE) by the Bay Area Rapid Transit District (BART), *Minority Business Enterprise* (MBE) by the Supplier Clearinghouse for the Utility Supplier Diversity Program of the California Public Utilities Commission.

California Highway Patrol CHPERS Project

Auriga Corporation was recently awarded a contract to perform Independent Validation and Verification (IV&V) and Risk Assessment on the California Highway Patrol (CHP) Enhanced Radio System (CHPERS) project. The scope of this project, is to replace/enhance the radio system used throughout the state by the CHP. This project entails replacing radio equipment, antennas, towers and vaults where necessary at over 400 mountain tops, area offices, communications centers, inspection facilities, scales and in all patrol cars across the state. The CHPERS project is estimated to cost \$492M. Auriga's duties include defining and documenting risks on the overall project and working with CHP senior management to identify mitigation strategies on those risks. This also includes working with CHP and DGS Telecommunications Division staff to determine viable solutions for the communications upgrade.

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SCOPE OF SERVICES:

Auriga Corporation provides a complete range of Telecommunications consulting services including:

- Feasibility Studies
- Requirements Definition
- Technical Specifications
- Procurement Documents
- Bid Evaluation
- Contracts Negotiations
- Project Management and Project Oversight
- Design Review
- Testing and Commissioning

TELECOMMUNICATIONS SYSTEMS:

Auriga has provided design and implementation services for the following Telecommunications Systems

- Fiber Optics
- Microwave System
- Point To Multipoint Radio
- GSM / GPRS
- WiFi / WiMax
- Voice of Internet Protocol (VoIP)
- Telephone System
- Network Management System

Auriga's highly qualified and experienced Telecom consultants are certified in their respective professional subject matter specialties. In addition, Auriga has several Licensed Professional Electrical Engineers (PE) on its staff.

For additional information and inquiries, contact:

Auriga Corporation
Attn: Director, Business Development
890 Hillview Court, Suite 130
Milpitas, CA 95035-4573
www.aurigacorp.com
Tel: (408) 946-5400
Fax: (408) 942-9625
Email: marketing@aurigacorp.com



Digital Microwave System Peninsula Corridor Joint Powers Board (Caltrain)

Auriga prepared a network architecture design and technical specifications for a digital Microwave System for Caltrain. The microwave system provides coverage in the San Francisco/ San Carlos/ Monument Peak/ San Jose areas to support Caltrain rail operations. Caltrain had recently completed the first phase of its ATCS Narrowband UHF Radio Network for the Signal Communications between the Control Points, along the Right of Way (ROW) and the base stations on San Bruno Mountain (near San Francisco) and Monument Peak in Milpitas. Previously, the base stations were connected via T1 leased line to the Central Rail Operations Center in San Jose. This project completed the wireless network with the installation of a 6 GHz Wideband Microwave to the San Carlos Corporate Office and San Jose Control Center.