



WHO WE ARE



COMPANY

Priax Corporation is an engineering-based system design and product development company. Our professional staff has years' of experience in electronic system design, system integration and installation, integrated system documentation and maintenance, as well as the development of products and components of security systems.

We are registered professional engineers and hold electrical contractors' licenses.

FACILITIES

Priax Corporation headquarters offices are located at Sandy Creek Ranch in Eastern San Diego County, California. Because our facility is bounded by the Cleveland National Forest, we are not compromised by the foot-traffic of nearby businesses nor the noise and radio interference normally associated with industrial parks.

Our facilities include full T-1 internet connectivity, video conferencing, fiber-optic communications backbone, and security perimeter with controlled entry. Offices

distributed within the facility are connected with fiber-optic lines for information sharing and file transfer. A distributed programmable logic control system (PLC) throughout the facility interconnects security systems, watering systems, and field equipment under test. Our offices are equipped with state-of-the art computer hardware and software such as CAD, database, spreadsheet, and publishing. High resolution full color laser printing and plotting enables us to develop and print full-size drawings, manuals, and brochures on site.

LOCATIONS

WORLD HEADQUARTERS

WEST COAST OPERATIONS

P.O. Box 776
33408 Sandy Creek Lane
Pine Valley, CA 91962
Phone: (619) 478-2600
Fax: (619) 478-2555
Email: sales@priax.com

EAST COAST OPERATIONS

4501 Lantern Pl.
Alexandria, VA 22306
Phone: (703) 768-5025
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Email: frank@priax.com

AUSTRALIA

P.O. Box 438
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Phone: +61.2.9816.1245
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• Security • Communications • Energy



ENGINEERING, DEVELOPMENT & DOCUMENTATION



Priax Corporation offers a unique combination of engineering and technical services that can provide the specific kinds of assistance you need to complete your project. Your organization, like many small-to-medium-sized businesses, may not have the in-house personnel capable of providing these services. We can help you cost-effectively

conceptualize, budget, design, purchase, install, test, evaluate and complete your project. We specialize in physical security, wireless communications, and green energy systems.

Priax personnel have many years' diverse experience covering most aspects of design, development,

MANY SMALL- OR MIDDLE-SIZED ORGANIZATIONS DO NOT HAVE IN-HOUSE STAFF AND RESOURCES DEDICATED TO PROVIDING ENGINEERING, DEVELOPMENT, AND DOCUMENTATION SERVICES.

installation, testing, and evaluation of electronic security, wireless communications, and renewable energy projects. Our staff has experience as system integrators and security equipment manufacturers as well as expertise in product development, product evaluation, testing and analysis. Our documentation experience includes the preparation of grant proposals; GSA applications and other funding documents; and engineering plans, specifications and operations manuals.

INSIDE:

SERVICES • TEST CENTER • FACILITIES • RENEWABLE ENERGY PROGRAMS • COMPANY INFORMATION • LOCATIONS

SECURITY, COMMUNICATIONS, ENERGY

PRIAX CORPORATION

WWW.PRIAX.COM
PHN. 619.478.2600
FAX 619.478.2555

SERVICES:

SECURITY SYSTEM DESIGN AND CONSTRUCTION SPECIFICATIONS

Perimeter Protection, Access Control, Video Surveillance, Personnel and Asset Tracking

WIRELESS COMMUNICATIONS SYSTEMS, DESIGN, SPECIFICATIONS AND EVALUATION

Wireless Concept and Evaluation, System Design, Modulation techniques, On-site Interference Testing and Recommendations, Broadcast and Mesh Networking

RADIO COMMUNICATIONS DESIGN AND TESTING

Spectrum Analysis, Field Testing and Licensing, Radio Path Analysis, Equipment Selection and Specification Preparation

RENEWABLE ENERGY RESOURCES DESIGN AND EVALUATION

Remote Location Energy Sources, Commercial Energy Offsets, Smart House Energy Systems, System Integration

TECHNICAL DOCUMENTATION

Grant Proposal Preparation, GSA Applications, Plans, Specifications, Training Programs, Technical Manuals

PROJECT MANAGEMENT

Integrated System Testing and Evaluation, Construction Management, Costing, Planning and Scheduling, Performance Testing

PRODUCT DEVELOPMENT

Product Evaluation, Circuit Design, Software Programming, Performance Testing



SECURITY SYSTEM DESIGN AND DEVELOPMENT

Priax Corporation's security systems design and development history began in the late 1970s with the design and installation of all electronic security and building control systems for a jail complex. That project led to many other projects where Priax personnel performed as system designers, system integrators and installation contractors. Following those successful projects came the hardware and software design, development and installation of specialty high security systems that are still in use today. Ask for project details.

Priax' security design and development background includes surveillance (i.e., video, IR, thermal, and radar), video analytics (i.e., motion detection, laser detection, license plate recognition, image detection), recognition systems (i.e., biometrics, image enhancement), perimeter security (i.e., fence mounted sensor, electrified fence, microwave, infrared, taut wire, buried sensor, motion detection), building systems (i.e., smart card access, perimeter sensors, volumetric sensors, infrared sensors), as well as the wired and wireless communications required to interconnect the security systems.

Priax strength lies in the design and implementation of integrated security systems. Often the optimized design will include integration of the security system, the communications system, and the display and response system. Contact us with the requirements for your project.

SANDY CREEK TEST CENTER (SCTC)

Priax Corporation operates the Sandy Creek Test Center, a unique 64-acre facility located in Southern California. The SCTC is an independent evaluation and testing center specializing in physical security, wireless communications and alternative energy equipment and systems, including failure analysis of failed systems. Testing is conducted under a specific plan and specifications for each test. In certain cases, the SCTC pre-stages and tests all equipment of an engineered system (e.g., wireless communications) prior to installation at a project site. Our SCTC experiences broaden our knowledge base and keep us at the forefront of new systems development.

For more information, call
619.478.2600

Ask for our Sandy Creek
Test Center Brochure

RENEWABLE ENERGY

OUR STAFF IS UP-TO-DATE ON THE LATEST IMPROVEMENTS OF RENEWABLE ENERGY SYSTEMS.

Since 2003, Priax Corporation has been a member of a research group investigating the use of integrated renewable energy resources, primarily for residential, commercial and light industrial customers.

Our approach is to:

1. Construct the most efficient structure, then
2. Manage the total energy for greatest efficiency.

This research has resulted in the development of structures that combine architectural improvements, materials upgrades and renewable energy systems. Furthermore, these homes and businesses can be interconnected with local utilities and controlled by a common wireless control system.

For more information, ask for a copy of our Green Solutions brochure.



RADIO AND WIRELESS COMMUNICATIONS



Priax Corporation has been deeply involved with radio and wireless communications dating back to the 1980s. During this time, the world of radio communications has evolved into the broader technology, wireless

communications and many changes have occurred. The radio spectrum has been rearranged by cellular phones, computer communications, and all the products seeking to have a wireless connection. The large number of new radio technologies and all the new regulations have caused a lot of confusion. Improperly designed systems can be affected by other similar closely located systems as well as cause interference to those other systems. Priax has many years' experience with point-to-point and point-to-multipoint radio systems, both using FCC licensed radio frequencies and the unlicensed radio bands shared with multiple customers. Priax has participated in the design of wireless systems using modulation technologies such as: spread spectrum, Zigbee,

WiMax, C-OFDM, SOQPSK, and wireless mesh as well as wireless data encryption technologies. Priax has designed systems requiring both line-of-sight (LOS) and near line-of-sight (NLOS) connections, including directional transmission of high speed data over long distances. Our commitment is to stay current on the latest wireless technologies so we can provide our clients accurate technical support.

Priax personnel can assist you with radio spectrum searching to determine the best radio spectrum and frequency, including formal FCC licensing. Priax can also provide on-site radio frequency testing services to 26 GHz when necessary. Contact us with the requirements for your project.