



Industrial Automation Solutions

CONTROL SYSTEMS | INSTRUMENTATION
CUSTOM CONTROL PANELS

Trimax
A TESCO Controls Company

INDUSTRIES



WATER & WASTEWATER

Complete system integration solutions, including: system design, I&C engineering, fabrication, programming, SCADA, commissioning and maintenance.



ENERGY & UTILITIES

Grid modernization, automation and protection. Manufacturing and functional testing of substation monitoring components, including relay racks and control buildings.



SOLAR/RENEWABLE ENERGY

Integration, commissioning and SCADA services for utility-scale solar facilities.



OIL & GAS

Instrumentation, control systems, and SCADA for well fields, refineries, pipelines, fueling stations, and storage facilities.



MANUFACTURING

Industrial automation solutions to safely increase capacity, streamline processes, reduce waste, and minimize downtime.



TRANSPORTATION & AEROSPACE

Mission-critical control systems for advanced process operations. Solutions from design through commissioning.



BULK MATERIAL

Automation solutions to increase capacity and throughput while minimizing downtime.

ABOUT US

Superior systems begin with understanding your needs and processes.

PROCESS AND CLIENT-FOCUSED

Trimax is committed to providing targeted solutions by establishing relationships with our clients focusing on a deep understanding of their processes and needs.

This insight allows our systems to maximize operational efficiency and operator productivity while minimizing life-cycle costs. Extensive self-diagnostics in the systems we develop reduce downtime and maintenance efforts.

We believe in being well-versed in the industries we serve as well as being experts in control systems. Trimax strives to honor this commitment to client relationships by providing expert controls engineering guided by a continuing focus on quality, education and experience.

EXPERIENCE YOU CAN TRUST

Trimax has been implementing this approach to systems integration for over 35 years in a variety of industries. Trimax delivers complete industrial control system solutions across both process control and automation applications. Our expertise spans hundreds of customers and thousands of projects.

We integrate together multiple types and brands of hardware, systems, and software platforms, including package systems. Our approach of understanding your needs and your process first, coupled with a focus on quality, results in systems you can rely on and trust.

TURN-KEY SOLUTIONS

Trimax leverages advanced programming softwares to create more efficient systems with increased visibility and oversight, including remote access. Our engineers are experts in PLC, HMI, SCADA and MES programming and integration. Combined with our skilled electrical design engineers and UL-rated panel shop, Trimax provides clients with turn-key solutions.

INNOVATIVE ENGINEERING AND AUTOMATION SOLUTIONS

At Trimax, we use our extensive experience and history of cutting-edge development to provide you with the tools and insight you need to develop your business processes, as well as the expert resources to implement your new systems and upgrades, from the plant floor to the enterprise level.

ENTERPRISE INTEGRATION AND ANALYTICS

Your ability to run your business relies on having good visibility into what is happening throughout your organization. Your control system has a wealth of data that our engineers can help integrate into your business systems.

MANUFACTURING AND CUSTOM FABRICATION

Trimax has a fully-certified UL 508a/UL 698(a,b) panel shop in Southern CA for wiring, assembly, and testing.

The corporate headquarters' 130,000+ sq. ft. fully-equipped manufacturing facility has a complete metal fabrication shop, powder coating paint line, wiring and assembly departments, and a dedicated factory staging and testing lab, capable of completing all electrical, power, and control systems equipment for project implementation. We integrate instrumentation, power, and control systems from all major industry manufacturers.

100% EMPLOYEE-OWNED

Trimax, a Tesco Controls Company, is a 100% employee-owned company with locations in California, Texas and Hawaii. Our staff are empowered to provide customers with meaningful solutions to complex industry challenges. We are focused on superior customer service and quality products.



Almost 4GW of utility-scale solar commissioning world-wide



Award-winning 14,000 site/6 million tag oil & gas SCADA system



130,000+ sq. ft. fully-equipped manufacturing facility

SYSTEMS INTEGRATION

Trimax designs and implements complete process control systems for multiple industries including mission-critical applications. Our programmers provide solutions for all project types and sizes, from single devices to entire plants. We deliver quality PLC and SCADA/HMI programs with a focus on efficient and intuitive operation, maintenance reduction, and reliability.

- System design and validation
- MES development
- SCADA-HMI system development
- PLC applications programming
- Networking and communications
- System commissioning

Focused on Customer Service, Technical Expertise and
Your Most Demanding Applications

PLC PROGRAMMING SCADA/HMI DEVELOPMENT



Trimax works in a variety of industries to develop automation and control solutions that range from isolated machines to enterprise-wide systems that encompass entire plants in multiple locations.

- Control strategy and process control development
- SCADA master plans
- Mobile SCADA applications with remote access and alarm notification
- Historical database and reporting
- Modifications, upgrades, and platform conversions

MAINTENANCE CONTRACTS



To extend overall system life and reduce out-of-service time, Trimax offers a broad array of low cost, high-value support services that will keep your system in optimal condition.

- Rapid response and 24/7 availability
- Maintenance and service contracts
- Preventative maintenance to reduce downtime

MES DEVELOPMENT



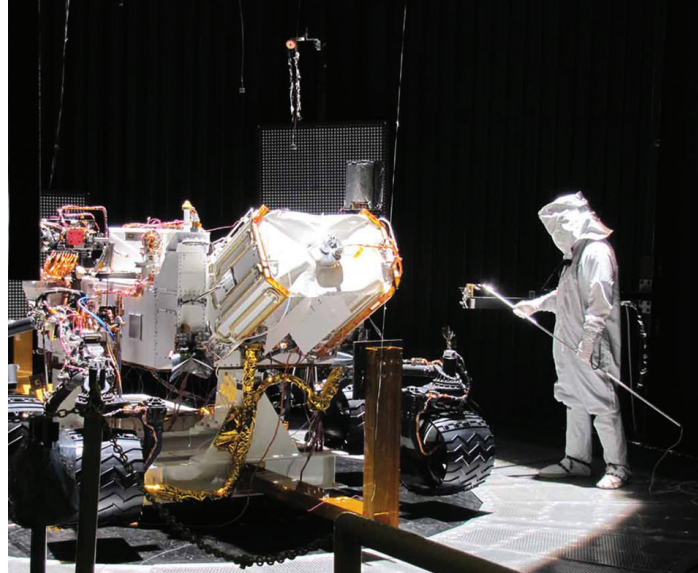
We integrate MES (Manufacturing Execution Systems) with both ERP and SCADA systems to create custom solutions that provide information, tracking, and control of manufacturing processes. These systems aid in identifying the greatest ROI opportunities for improvement, increase production rates, reduce waste and rework, and increase uptime.

- OEE calculation and downtime tracking
- Real-time efficiency management
- ERP integration
- Track and trace
- Real-time transfer of schedules, recipes and lots from ERP to the plant floor
- Statistical process control
- Process variable tracking and history by SKU and run
- Auto transfer production and waste data to ERP
- Resource management and scheduling





Build-outs of utility racks



Automation systems for mission-critical applications

ELECTRICAL ENGINEERING



Trimax engineers are experienced at specifying components that meet the client's needs. Every drawing package is reviewed for quality, functionality, efficiency and safety before it is approved for construction. Documentation is maintained at every stage of design and construction.

- Control system and instrumentation design
- Power distribution and schematics
- Loop drawings
- Industrial network design and cyber security
- Control panel design

PANEL SHOP



Trimax has a fully-certified UL 508a/UL 698(a,b) panel shop in Southern California for all your wiring, assembly and testing needs. We wire, fabricate and test custom enclosures and control panels, from explosion-proof push button stations to large-scale analyzer and sample panels.

- Design and configuration
- Low and medium voltage panels
- VFD enclosures, PLC & HMI control panels, lighting panels, pump panels, SCADA communication panels, and RIO panels
- Substation relay racks and control buildings
- FAT testing (Factory Acceptance Testing)

NETWORK AND TELEMETRY INFRASTRUCTURE



Trimax performs initial and supplemental radio path surveys in order to ensure optimal communication to sites. We install, set up, test and troubleshoot all types of radios and communication devices.

- Network infrastructure
- Radio path surveys
- Communications setup
- Systems troubleshooting
- Turn-key remote sites

FIELD SERVICES



Trimax is engaged in field services from the design phase to completion; and coordinates with contractors to ensure testing, maintenance and support occur quickly and efficiently.

Our engineers and technicians excel at troubleshooting, have extensive field experience, and current manufacturers' training. Trimax provides both rapid-response and scheduled service calls for instrumentation maintenance.

- System commissioning and functional testing
- Instrumentation maintenance and calibration
- Commissioning services for renewable energy utilities

INNOVATIVE ENGINEERING AND AUTOMATION SOLUTIONS

TRIMAX AT-A-GLANCE

- 35+ years of industry experience
- Automation professionals
- Engineering and professional services provider
- Control systems, SCADA, MES, robotics
- Instrumentation design and commissioning
- UL 508a /UL 698(a,b) panel shop
- Client-focused
- 100% employee-owned

CERTIFICATIONS AND STANDARDS

- UL-508A Industrial Control Equipment (ICE)
- UL-698A,B ICE hazardous locations
- UL 913
- UL-845 MCCs
- GSA Schedule 56 registered
- DOT /TWIC
- ISNetworld and ComplyWorks compliant
- Solution Provider for multiple PLC/SCADA vendor equipment
- TUV-certified Functional Safety Engineering



DESIGN



PANEL SHOP



COMMISSIONING
TESTING &
CALIBRATION



AUTOMATION
& CONTROLS



PROJECT
MANAGEMENT



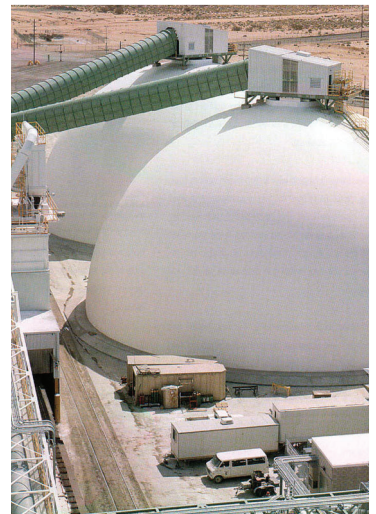
FIELD SERVICE



ROBOTICS



SCADA | HMI | MES



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