



ENERGY & UTILITIES

TURNKEY-SOLUTIONS

Automation ■ Testing ■ Fabrication

Trimax[®]



From
Consultation,
Design, and
Fabrication



To Programming,
Integration, Testing,
and Deployment



Trimax

Turn-Key Solutions

Trimax has developed and commissioned complete automation and power systems for utilities and private power producers. Trust us to provide turn-key, end-to-end solutions for your energy projects. From design, panel, control buildings, and relay rack fabrication, to programming, and FAT testing, Trimax can help you achieve your project goals.



Custom Fabrication

Every project is unique. Trimax's fully-certified UL508a and UL698a/b panel shop assembles and wires any size and quantity of control, power and instrumentation panels, and substation control buildings.

- Relay racks, control cabinets
- PLC and HMI control panel/racks
- Remote input/output (RIO) panels
- Explosion-proof enclosures and stations
- EMP substation control buildings



Testing

Every relay, data, HMI, and control rack/cabinet is thoroughly tested, powered and documented prior to leaving our facility.

- FAT and FTO testing
- Line fault simulation testing is conducted, per design, on complete substation relay rack lineups to ensure proper functionality
- Fully equipped and ready for duty, substation control buildings are tested, p2p, and functionally exercised prior to being deployed on site

Contact us today at 714.255.8590 to find out how Trimax can help you with all your energy-utility needs.

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Critical Infrastructure Protection Compliant (NERC CIP)



Automation Engineering

Engineering reviews all designs, drawings and submittals to assure accurate fabrication and installation.

- Design of interface control panel and cabinets
- Power distribution and controls
- Load and seismic calculations
- BOM management



SCADA HMI-PLC Programming

We develop transmission and distribution automation programming, alarming, and operations/safety reporting for substation controls.

- SCADA, HMI and PLC automation programming for utilities, including electrical substations, hydro-electric plants, PPC, and BESS
- Automation engineering, substation automation design – SEMT, PLC and HMI/LAT, and Point List



Site Evaluation and Deployment

- Sites are evaluated for project logistics and safety considerations, lift plan submittals, traffic control plans, and good neighbors
- Trimax maintains an outstanding record and recommendations of safely installing substation control buildings

As your industry partner, Trimax works closely with you to develop tailored solutions designed to meet your project goals.

The energy/utilities industry has a wide variety of energy producers and distributors, from wind energy, coal, and natural gas, to hydroelectric and solar power. Despite widely varying methods of collection and distribution, one vital requirement for each of these is a **dependable control system**.

Trimax provides power generators and utilities with **improved controllability** and production capacity, as well as **consistent and reliable failsafe systems** and **mandated reporting**.

- Battery Energy Storage Systems
- Wind Power Generation
- Hydroelectric and Dam Controls
- Cogeneration Plants
- T & D Substations
- Natural Gas Facilities
- Solar Energy



*Superior Systems Begin with
Understanding Your Needs and Processes*

TrimaxSystems.com

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