



DESIGN-BUILD PARTNERSHIP SOLUTIONS

For the Water, Wastewater & Energy Industries

TESCO[®]
CONTROLS

– a UFT Company –

Complete Systems Integration, Power,
and Custom Fabrication Solutions

END-TO-END SOLUTIONS



As a full-service systems integrator, our capacity to self-perform all work involved in projects allows us to better manage risk for project schedule, costs, and quality - and provide our clients with systems that meet performance criteria.

MULTI-DISCIPLINED SERVICES

TESCO self-performs all work inhouse. Our team includes highly-skilled electrical, power, and control system engineers; seasoned PLC and SCADA-HMI programmers with direct water/wastewater application experience; field service engineers; startup and system commissioning experts; and an experienced project management team that excels in the delivery of process control system solutions.

Our teams drive the quality and schedules - not third-party subcontractors.

CUSTOM FABRICATION

Many projects require custom solutions that are not readily available through standard equipment manufacturers.

Whether space constraints require custom enclosures, add-ons are needed for original equipment, or standard delivery schedules will not meet project deadlines, TESCO has full inhouse fabrication facilities to expedite equipment builds for project delivery needs.

All products are manufactured in accordance with UL, IEEE, NEMA, IEC, NEC and CSIA requirements.

OEM FOR EQUIPMENT PROVIDERS

TESCO is an original equipment manufacturer (OEM) for most major equipment suppliers, allowing TESCO to integrate and support the complement of hardware and software deployed in control systems.

TESCO's fully-equipped manufacturing center is capable of engineering, fabricating, assembling, wiring and testing all electrical and control systems equipment for project implementation and support.

MANAGING RISK

The complexity of water/wastewater projects includes layers processes with multiple contractors, suppliers, and schedules.

TESCO's self-contained approach can manage the schedule, quality, safety and specific performance risk with responsibility for the integration and control systems delivery.

All services are performed by our experienced inhouse team, which allows us additional control over personnel, quality, safety, and schedules.

When unexpected problems with design or equipment crop up, our engineering and manufacturing departments can quickly make adjustments. Clients have options that help ensure positive outcomes.

TRUSTED DESIGN-BUILD PARTNER

FULLY INTEGRATED APPROACH

Our industry experience lends perfectly to designing and engineering all aspects of electrical power distribution and control system requirements, as well as providing required equipment for turn-key, integrated solutions.

PROJECT DELIVERY OPTIONS

TESCO has extensive experience with several delivery options: Direct Bid, Progressive Design-Build, Fixed Price Design Build, CMAR and other collaborative delivery methods.

While design-build is frequently used to expedite capital projects, TESCO applies this approach to deliver feature-rich control systems. We have a track-record of successful partnering on projects, including both greenfield and legacy migration control system deployments.

Practical Experience - Our people have implemented 1000's of designs over the last 50+ years. We have the technical expertise to help designers create efficiencies, and build more reliable systems with the least amount of redundancies.

MULTI-DISCIPLINED SERVICES

SYSTEMS INTEGRATION

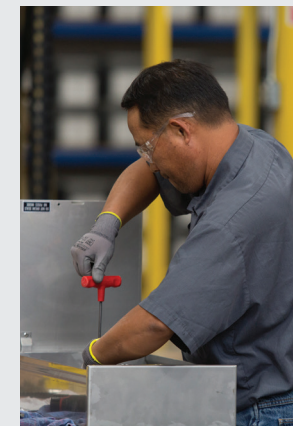
- » System Design & Validation
- » Control Strategy Development
- » Standards Development
- » Engineering Services
- » SCADA-HMI System Development
- » Legacy Migration
- » SCADA System Assessments
- » PLC Programming
- » Network Architecture
- » Radio Telemetry Systems
- » Power Systems Design & Analysis
- » Cyber Security Remediation
- » Project Management
- » Start-up and Commissioning
- » Extended Maintenance Contracts

TESCO is an authorized Underwriters Laboratory (UL) manufacturer of electrical power and industrial control systems. TESCO systems are manufactured in accordance with UL, IEEE, NEMA, IEC, and NEC requirements. All assemblies adhere to strict manufacturing guidelines and quality control procedures. All phases of the manufacturing life cycle undergo an established quality control procedure to ensure the highest quality system.



CUSTOM FABRICATION

TESCO's state-of-the-art, fully-equipped Sacramento 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 manufacturing and assembling all electrical, power, and control systems equipment for project implementation. We design and fabricate enclosures that meet custom size, performance, and feature requirements.



As an OEM with label extensions for most major equipment manufacturers, TESCO can custom design and fabricate or modify stock enclosures to meet specific requirements. We stage and test systems at our facilities.

TESCO's Brea, CA and Irving, TX panel shops offer local panel assembly, wiring, and factory testing.

Our UL label extension for these equipment manufacturers gives TESCO the ability to complete the final product to design specifications, in TESCO's facilities, while retaining the OEM's label and warranty.

TESCO incorporates the LEAN® manufacturing model in our quality control process.

TESCO's manufacturing capabilities include:

- Custom enclosures (painted galvanized steel, 316SS, 304SS, aluminum, anodized aluminum)
- Electronic assemblies (programmable controllers, instrumentation, communications)
- Custom motor control systems
- Custom and standard power distribution systems
- Custom and standard pump station power distribution and control enclosures
- Electrical, hydraulic and pneumatic instrumentation control panels

MANUFACTURING STANDARDS

- IEEE IAS | 1584 compliant
- UL-508A & 698A ICPs | UL-891 deadfront switchgear
- UL 913 Intrinsically Safe | UL-845 MCCs | UL 6200
- NEMA type 1, 12, 3R, 3RX, 4, 4X

Custom fabrication options give clients the freedom to design solutions tailored to their needs, aesthetic, budget and schedule.



Experience the TESCO Difference

WATER-WASTEWATER FOCUSED

Full-service systems integrator and OEM serving the water and wastewater industry

TESCO is a national, CSIA-certified, full-service systems integrator with 50+ years of experience in designing and building control system solutions required to automate water treatment, distribution, and related processes.

Quality end-to-end services ensure continuity from initial planning to project commissioning. We apply our considerable experience to:

- » **Streamline delivery** by coordinating all aspects of complex systems integration projects
- » **Reduce risk** through unified solutions to design, build, test and commission systems
- » **Manage project details** that require unique technical competencies
- » **Eliminate project gaps** and overlaps

As one of the largest systems integrators in North America focused on the water/wastewater market*, TESCO is well qualified to design and build advanced control systems for the industry. Over 95% of our projects are water/wastewater systems or renewable energy projects in the water/wastewater sector.

TESCO pairs and utilizes proven technologies and a practical approach for implementing SCADA, communications, power distribution, and control solutions.



*Ranked #12 for all control system disciplines internationally by System Integrators Giants List 2023.
#1 firm focused solely on water-wastewater.

EXPERIENCE

50+ YEARS IN BUSINESS

Our clients benefit from our extensive experience in both legacy migration and greenfield systems integration projects.

95% WATER-INDUSTRY FOCUSED

Virtually every one of our installations has been in the water/wastewater space, confirming our commitment to the industry.

50,000+ PROJECTS COMPLETED

We have managed and successfully implemented projects for over 4,300 different water/wastewater agencies.

“As a result of TESCO’s involvement on the project, nearly every element of the original system was enhanced, including the SCADA application, local process control at remote sites, and the availability and reliability of the TESCO-provided telemetry system. Additionally, TESCO is providing us with comprehensive system support in the form of technical support and field services. Their expertise and capabilities have made them extremely valuable in our various control system and equipment needs. Since forming our partnership in 2016, we have greatly enjoyed working with TESCO and would recommend them for your next water/ wastewater project.”

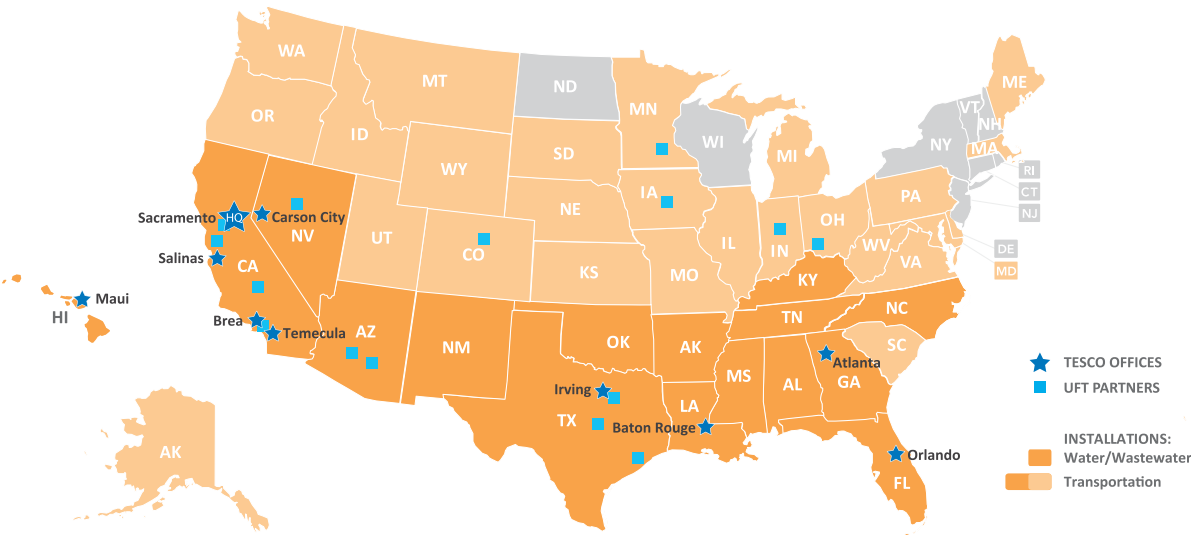
*P. David Michalko, General Manager,
Valencia Heights Water Company*

Solutions-Oriented | Technology-Focused | Customer-Driven

CERTIFICATIONS AND STANDARDS

- WCDA Member
- DBIA Member
- CSIA-Certified
- Registered Professional Engineers (P.E.)
- Project Management Professionals (PMP)
- ISA-certified control systems technicians
- GSA Schedule 56 registered
- Certified in all major industry software and hardware platforms
 - » Rockwell Solution Partner
 - » Schneider Solution Partner
 - » Siemens Solution Partner
 - » ABB Authorized Value Provider
 - » Inductive Automation Premier Partner
 - » Aveva Partner
 - » VT SCADA Partner

Call us and see for yourself how TESCO can deliver high value alternative delivery solutions for your next project.



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