

## Experience the TESCO Difference

### 50+ Years of Industry Experience

Founded in 1972, Tesco Controls is keenly aware of the needs of the industries we serve. We develop our systems using the most recent advances in technology which enables us to keep pace with an evolving marketplace. We have a long history of successful projects and an unrivaled commitment to excellence in controls and system integration.

TESCO's integrated solutions include design-build services, electrical engineering, systems integration, SCADA systems, PLC programming, telemetry, security solutions, power systems design and analysis, field services, extended maintenance and system services, and training.

### Knowledgeable Professionals

TESCO's professional engineers, project managers, programmers, field technicians, and support staff are highly qualified professionals with years of industry experience. Of our 100+ certified engineers, many hold professional designations including: P.E., PMP, and ISA certifications. TESCO is proficient in all major industry platforms and integrates products from all major equipment manufacturers.

### Manufactured in the USA

Our 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.

### Custom Fabrication

If you can dream it, we can make it. From conceptual design through manufacturing, TESCO products are made to spec, with custom dimensions, RAL and custom cabinet colors, user-specified components and materials. We deliver made-to-order metal fabrication with high quality finishing processes. We manufacture 1, 12, 3R, 3RX, 4 and 4X NEMA-type enclosures.

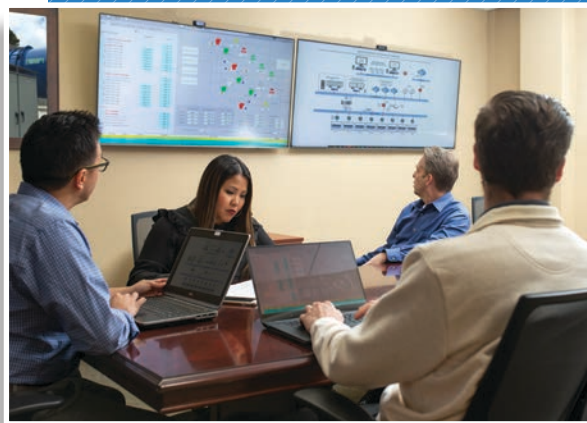
TESCO uses only the finest quality, American-made aluminum, galvanized steel, type 304 stainless steel, and type 316 stainless steel.

### 100% Customer Focused

TESCO staff are empowered to provide customers with meaningful solutions to complex industry challenges. We are focused on superior customer service and quality products.

### We Are:

- A Leading Control Systems Integrator
- Engineering and Professional Services Provider
- Trusted Partner for Design-Build and Control Systems Projects
- U.S. Manufacturer of Enclosures, VFDs, PLCs, Process Control Systems, Motor Controls, Switchgear, Instrumentation and Industrial Utility Pedestals
- OEM for Industry-Standard Manufacturers



## Solutions-Oriented | Technology-Focused | Customer-Driven

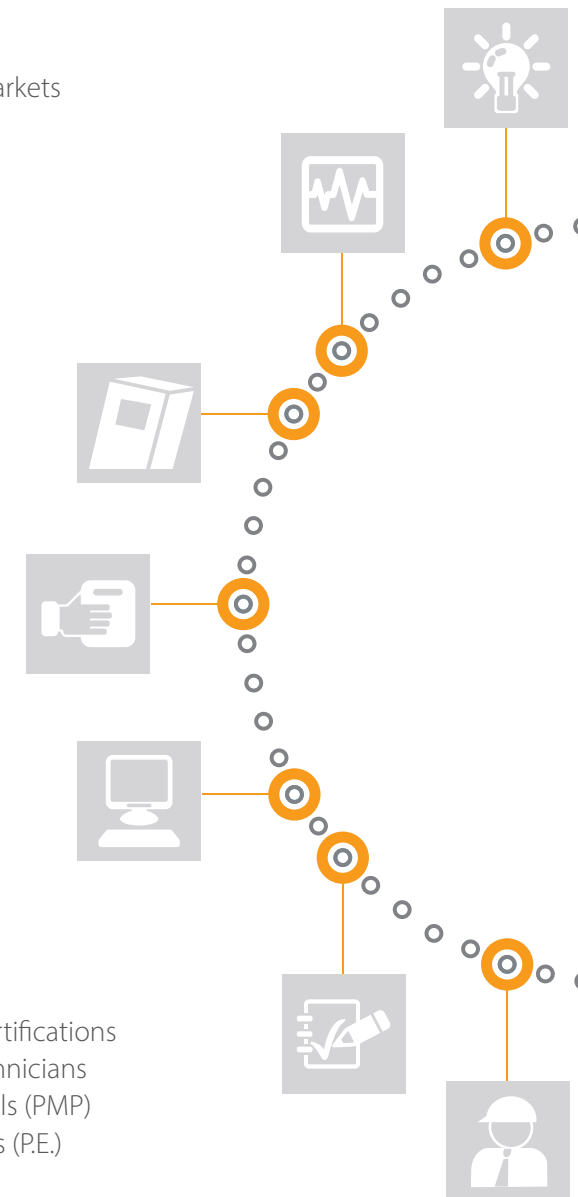
### Tesco Controls At a Glance

- Established in 1972
- Focused on water, wastewater, transportation and renewable energy markets
- Control systems, electrical distribution, power, and instrumentation
- Experienced with all major PLC and SCADA platforms
- Over 50,000 successful projects
- 200+ certified engineers
- More than 400 SCADA system installations
- 24/7/365 service and support
- 130,000 sq ft manufacturing plant
- CSIA-certified by Control System Integrators Association

*Call us and see for yourself how TESCO can deliver value engineered solutions designed to optimize operations, improve communication and reduce operating costs.*

### Certifications and Standards

- UL-508A ICPs
- UL-891 switchgear
- UL 913
- UL-845 MCCs
- NEMA type 1, 12, 3R, 3RX, 4, 4X
- EUSERC compliant
- DBIA
- CSIA-certified
- IEEE IAS compliant
- IEEE 1584 compliant
- GSA Schedule 56 registered
- Numerous OEM and software certifications
- ISA-certified control systems technicians
- Project Management Professionals (PMP)
- Registered Professional Engineers (P.E.)



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**TESCO**  
CONTROLS  
— a UFT Company —

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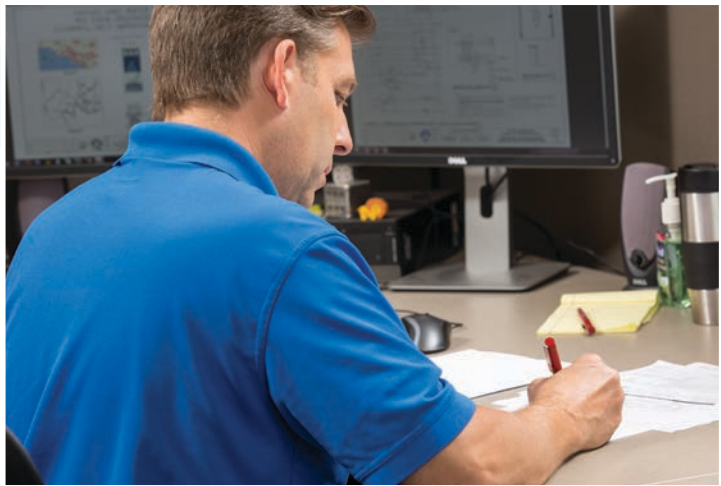
**INNOVATION | SOLUTIONS | SUPPORT**

*For the Water, Wastewater, Transportation & Renewable Energy Industries*

**TESCO**  
CONTROLS  
— a UFT Company —

Instrumentation | Control Systems  
Electrical Distribution





## Professional Services

*Tesco Controls provides owners with end-to-end system integration services and custom manufactured solutions to solve their most critical infrastructure system challenges. From greenfield plants to system migrations and complex upgrades, our professional staff will work closely with you to develop smart, long-term solutions designed for efficiency, ease of use, and cost savings.*



### Field Support Services and Extended Maintenance

TESCO has a team of highly qualified, factory-trained field service engineers and ISA-certified technicians. Your support needs will always be met with a sense of urgency, 24/7/365, and handled with professionalism and knowledge.

- Setup and startup
- Effective diagnosis and repairs
- Calibration services
- System commissioning

Extended Maintenance and System Services (EMASS®) offers a broad array of low cost, high value support and professional services. EMASS provides protection against escalating maintenance costs, while extending overall system life, and reducing out-of-service time.



### SCADA System Assessments

Designed to help water agencies address concerns about the reliability and sustainability of their process control systems, TESCO subject matter experts work collaboratively with engineering, operations, technical support, and management staff to collect information and documentation related to the process control system automation technologies. We then perform an independent review and detailed analysis of the control system, and present findings to your staff. Some of the deliverables include:

- SCADA-HMI and PLC application software backups
- SCADA & Process Control System (PCS) block diagrams
- Automation asset inventory spreadsheets
- Complete listing of IP networks, subnetworks, VLANs, and IP devices present in the system
- Technical memorandum report that incorporates findings, observations, and prioritized recommendations for key areas of improvement



### Level One CSIA Certification

TESCO has been designated by the Control System Integrators Association (CSIA) as a Level One -Certified System Integrator - the highest level of certification available in our industry, with the audit process following the guidelines of ISO. This CSIA distinction of excellence shows our level of experience, expertise, resources, financial stability and business proficiency to deliver a successful project.



### SCADA-HMI System Development

TESCO is a leading provider of Supervisory Control and Data Acquisition (SCADA) systems. TESCO has installed over 400 SCADA systems nationwide, and is experienced in all major HMI software packages. Current system sizes range from a single site to over 500 sites.

- All major manufacturers and platforms
- SCADA-HMI application development
- System standards
- Customized process displays
- Cyber security remediation
- Virtualized systems
- DCS and SCADA migrations



### Project Management

Experienced project managers follow PMI (Project Management Institute) and CSIA (Control System Integrators Association) best practices to ensure optimum communication and timely completion of projects. Many are PMP certified as Project Management Professionals.



### Design-Build

TESCO teams with consultants, contractors, and owners to provide complete design-build solutions. TESCO firmly believes in the potential of the design-build process – an attractive project delivery methodology that embraces real collaboration throughout the entire project delivery cycle. Our core strengths in process control system design and implementation, along with our diverse technical expertise, are fully leveraged by the design-build process.

- Physical site investigations
- Full system assessments
- Value engineering services
- Planning services
- Network infrastructure and control system design services



### Training

Our training goes beyond the basics. We offer customer training on system operations and capabilities, CEU-certified industry workshops, and customized on-site workshops.



### Engineering Services

TESCO engineering services can take you from concept to implementation. Our large staff of engineers, including registered professional engineers in control systems, electrical engineering and mechanical engineering, offers a unique blend of experience and talent that can provide innovative and practical solutions.

- Electrical switchgear design (UL-891)
- Power distribution systems design and analysis
- Electrical motor control equipment design (UL-845)
- Arc Flash risk assessment
- Instrumentation and control systems design
- Industrial control panel design (UL-508)
- Network infrastructure
- Radio/telemetry systems
- Energy management



### Systems Integration

TESCO has over 45 years of experience in the design and implementation of process control systems. Our programmers provide solutions for all project types and sizes, from single lift stations to entire treatment plants.

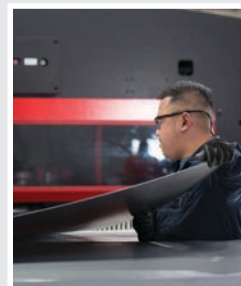
TESCO delivers feature-rich PLC and HMI programs that are field-proven to ensure reliable, robust and flexible control systems\*.

- System design and validation
- Control strategy development
- SCADA-HMI system development
- PLC applications programming
- Networking and communications
- Cyber security vulnerability remediation (NIST 800-82)
- Factory and acceptance testing
- System commissioning

\*All major industry manufacturers and platforms

## Products and Custom Fabrication

*TESCO's state-of-the-art, 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 manufacturing and assembling all electrical, power, and control systems equipment for project implementation.*



### Electrical Switchgear Service Metering



### Variable Frequency Drives



### Power Distribution Equipment

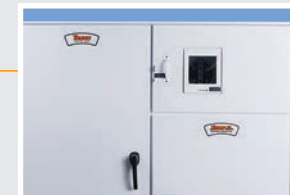


### Manufactured and Assembled in the USA

Need a custom solution? Call TESCO! Give us your requirements and we will design and fabricate a quality product built to your specifications. We can integrate equipment from all major manufacturers into your panels and test your equipment before it leaves our building. You can be assured that your critical systems will run as designed. TESCO is a certified OEM for all major industry brands, and as such, is certified to integrate and adjust the equipment per client specifications.

Quality is more than a word at TESCO. We take pride in every product we build - you can count on TESCO products to perform!

### Utility Service Pedestals (metered and unmetered)



### Battery Backup Systems



### Programmable Logic Controllers



### Instrumentation



### Industrial Control Panels



### Custom Motor Control Centers (MCCs)

### L3000® SERIES PLC



### SERVICE PEDESTALS



### BATTERY BACKUP



### ENDURANCE® DRIVE

