

Customized Power Solutions

Tesco Controls has been engineering, manufacturing, and integrating low-voltage (600V and below) power distribution equipment for the water / wastewater industries for over 40 years. TESCO is a UL-approved Original Equipment Manufacturer (OEM) of low-voltage (600V and below) electrical switchboards that include both indoor and outdoor applications.

We can also provide medium voltage solutions through our quality partners. TESCO has UL file extensions for major power equipment manufacturers, and can customize their standard product offerings to meet your unique project specifications.

Power Solutions

- » Switchboards- low voltage
- » Manual/automatic transfer switches (ATS)
- » Switchgear- low & medium voltage
- » Service metering
- » Transformers- low & medium voltage
- » Power distribution & monitoring
- » Battery backup systems
- » Unit substations
- » Termination panels

Control Solutions

- » Motor Control Centers (MCC)- low & medium voltage
- » Reduced voltage soft starters- low & medium voltage
- » Variable frequency drives (VFD)- low & medium voltage
- » Harmonic filtering

In addition to integrating a wide range of OEM systems, TESCO manufactures instrumentation, enclosures, traffic signal battery backup systems, utility service pedestals (metered and unmetered), sump termination panels, irrigation control cabinets, custom controls and custom motor control centers (MCCs).

Contact us at 916-395-8800 for more information.



Applications:

- » Water and wastewater treatment plants
- » Storm water lift stations
- » Wastewater lift stations
- » Water pumping stations
- » Power distribution and utility metering
- » EV charging station distribution
- » Commercial buildings and headquarters
- » Specialty power distribution projects

Certifications and Standards

- » UL-508A ICPs
- » UL-891 Deadfront Switchboard authorized
- » UL 913
- » UL-845 MCCs
- » NEMA type 1, 12, 3R, 3RX, 4, 4X
- » EUSERC compliant (Electric Utility Service Equipment Requirements Committee)
- » IEEE IAS compliant
- » IEEE 1584 compliant



Custom Fabrication

Many projects require [custom solutions](#) that are not readily available through standard equipment manufacturers. Custom fabrication options give clients the freedom to design solutions tailored to their needs, aesthetic, budget and schedule.

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.

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

[Custom Motor Control Systems](#)

TESCO is an original equipment manufacturer (OEM) of low-voltage (600V and below) motor control centers (MCCs) that include both indoor and outdoor applications. We have UL file extensions for major MCC manufacturers and can customize their standard product offerings.

Integrated motor controls can include solid state controllers, electro-mechanical starters, variable frequency drives, reduced voltage solid start starters, panelboards, PLC control sections, and communication packages.

[Custom and Standard Power Distribution Systems](#)

TESCO is UL authorized to manufacture distribution switchgear to 4000 A. All distribution and service pedestals are designed in accordance with utility system requirements. TESCO can provide a variety of switchgear configurations employing auto-transfer switches, power monitoring and control, and feeder distribution.

[Custom and Standard Pump Station Power Distribution and Control Enclosures](#)

TESCO provides a variety of standardized pump control packages for storm water, sewage lift, well pump, and booster stations. All pump stations can be supplied in low profile metered or unmetered enclosures systems.

[Options](#)

- » Multiple utility metering configurations
- » Switchgear/switchboard configurations utilizing auto/manual transfer switches
- » Feeder distribution
- » Transformers and panelboards
- » Power quality monitoring and control
- » NEMA 3R weather-wraps for applicable equipment
- » Both standard and custom powder coated finishes

