

TWACS® CST

CAPACITOR CONTROL SOLUTION

Central administration of capacitor banks helps dispatchers make better distribution decisions and reduces costly on-site maintenance.

The **TWACS CST (capacitor switching transponder)**, operating with TWACS Master Station software, allows utilities to actively manage grid reliability and efficiency. The two-way solution can monitor circuit voltage, neutral current, and contact closure of the capacitor bank, thereby allowing remote management of capacitance in the distribution network. Remote management helps utilities reduce losses due to reactive power flow and avoid power-purchase penalties.



Each TWACS CST delivers

On-demand status information

Provides troubleshooting, alarms, voltage profiles, and bank status

Cost efficiencies

Reduces overhead related to capacitor bank patrols and line loss

System intelligence

Provides real-time voltage, status, and error reports, and synchronizes daily and seasonal requirements

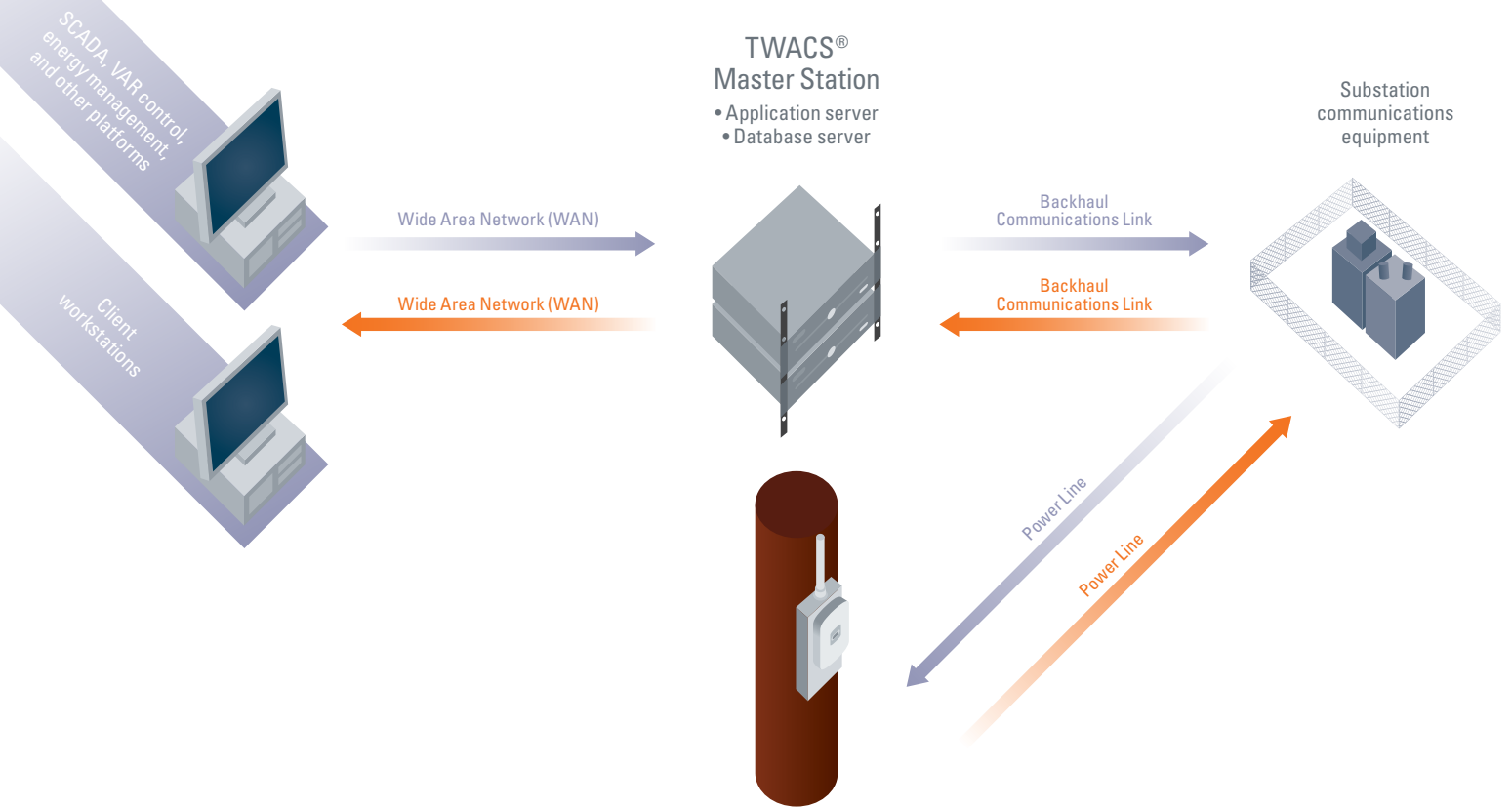
Safety improvements

Eliminates manual switching

Problem notification

Monitors neutral currents to pinpoint partial bank failures and blown fuses

TWACS CST System Diagram



TWACS CST mounted on a distribution pole

Operated from a single phase distribution transformer at 120 Vac, the TWACS CST can report voltage at 15-minute intervals and works on any Delta or Wye distribution network.

Technical Benefits

- Offers an “anti-pump” feature that eliminates simultaneous operations
- Ensures local control with remote-door interlocking, configurable open/close timers, and enable/disable and trip/close functions
- Contains two 30-amp SPDT (single pole double throw) contactors as control switches
- Employs both a digital and an analog input for feedback monitoring
- Connects to a ringed four- or six-jaw meter socket