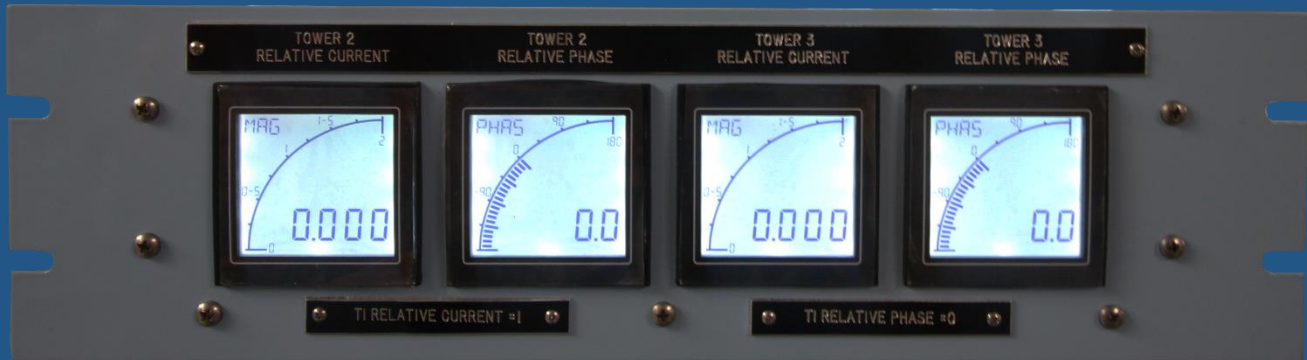




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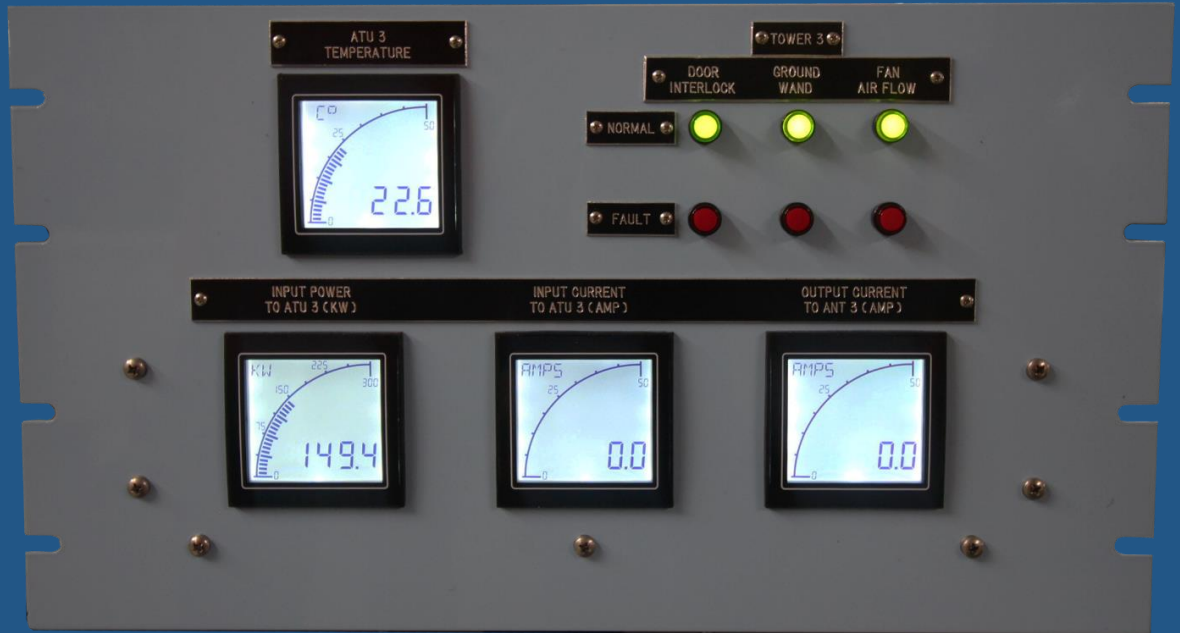
an ISO 9001 registered company

ASCADA - Antenna System Control and Data Acquisition



Digitally monitor key performance indicators of your Antenna System

Kintronic Labs offers custom Industrial PLC or automation controller based solutions that only require a fiber link and power at each point, eliminating the need for long runs of multi-conductor control cable (6, 12, and 16 pair), making wiring and troubleshooting much simpler, in



addition to providing superior immunity from RF interference. These networked control systems can offer digital monitoring of key performance indicators of your antenna system by converting the analog values of voltage or current measured in the Antenna Tuning Units or Common Point of the RF network to a digital value. The data is read by the controller through the Modicon Modbus TCP protocol and then displayed by a digital meter in the main transmitter building or viewed online through an online graphical user interface. Optional **additional monitoring sensors include temperature sensors, arc detectors, motion detectors, safety interlocks, door interlocks, air flow sensors, and many other types of sensors.** Antenna systems with multiple RF contactors, or other mechanical devices that need to be operated at specific times or upon the push of a button can also be implemented in this fiber based control system.