The Quantum Remote Telemetry Unit (QRTU) is a complete solution for outdoor control and data acquisition applications. If you add our Quantum Uninterruptable Power Supply (QUPS) or our complete off-grid power solution Quantum Solar Battery (QSolarBattery) and communicate to our cloud based IIoT solution, Quantum Cloud Server (QCloudServer), you are provided with a complete turn-key solution from one supplier in a box shipped FREE of charge to the Greater 48 United States of America. If you fill out the QCloudServer configuration sheet, we will program the PLC, Edge Controller, and set up the GUI in the Cloud custom for you to view and control from any web browser, including your phone!
PETROCHEMICAL

Oil & Gas Pipelines - Compressor Stations
Oil & Gas Production - Downwell Monitoring
LACT - Leased Automated Custody Transfer
Storage Tanks - Monitor Level & Volume
Gas Leak Detection
EPA - Paint Spray Booths - Auto Repair Centers

AGRICULTURE

Irrigation & Weather Stations
Golf Course - Lakes, Pumps, Timers
Watering of Crops - Time, Humidity, Temperature
Measuring Soil for Nutrients
Refrigerations Units - Compressor Monitoring

UTILITY MONITORING STATIONS

Solar Monitoring - Watts generated
Wind - Turbine Monitoring, Wind Speed, Direction
HVAC - Facility Switchgear - Monitor Amps, Volts, Load

ITS - INTELLIGENT TRANSPORTATION SYSTEMS

Freeway Signage
Freeway Overpass Pump Stations
Electric Battery - Charging Stations
Bus - Fare - #Passengers - J1939 Maintenance
Trucks - GPS, Weight, J1939 Truck information
Smart Trucks - Asphalt, Sandbags, Sanitation
TYPES OF DATA TO LOG & REMOTELY CONTROL

- Temperature - Ambient, Process
- Humidity - pH - Conductivity
- Density - Viscosity - Consistency
- Pressure
- Level - Height
- Flow - Totalization - Rate of Rainfall
- Speed - Acceleration - Cycles - Cycle Time
- Wind Speed - Direction - Barometric Pressure
- Motor Bearing & Stator Temperature - Vibration - RPM
- Current - Voltage
- Weight - Load Cell - Strain - Mass
- Power - KW, Force - Mass - Lumens
- Valve Position - Open - Closed
- Emissions - Nox - CO2 - Thrust - Noise
- Downtime - Uptime - Availability
- Alarms - System Status - Set Points

WHAT ARE YOU GOING TO DO WITH THE DATA YOU LOG?

- Increase Productivity - Forecasting
- Improve Quality - Big Data
- Reduce Costs - Energy Efficiency
- Create a safer environment for Employees
- Regulatory Demands

Q-RTU OPTIONS

- QUPS - Lithium Battery & Sleep Timer
- QSolarBattery - Solar/Battery/Charge Controller/Mounting
- QCloudServer - From RTU to Cloud to Cell Phone

WATER & WASTEWATER - PUMP STATIONS

- Pump from Groundwater Well to Reservoir
- Pump from Reservoir to Public Water Supply
- Waste Water - Stormwater & Sewage Lift Stations
- Canals & Land Drainage