



RRC

SCADA

SERVICES

The **RRC SCADA Group** has participated in the communication network design and PPC/HMI programming for over 1 GW of solar and wind projects. We have delivered over 300+ SCADA panels and 500 sensors of various types. The team provides extensive services across the full SCADA system scope.

Core services include:

- Communication Network Design
- Power Plant Controller and HMI Programming
- MET Station, Inverter, and Sensor Integration
- SCADA System Commissioning
- Substation SCADA and HMI Design
- Procurement of Hardware (Communication Network Panels, Substation Communication Racks, and Power Plant Controllers)
- Procurement of Software (Wonderware System Platform and Historian, Ignition SCADA, Allen-Bradley Studio 5000, Schneider Electric Unity Pro, and Associated Licenses)
- Customized Sensor Mounting Solutions
- MET Station Design, Installation, and Commission
- SCADA for Energy Storage Projects

Communication Network Design

The SCADA Group is proficient in designing collector system communication networks for both wind and solar projects. With our engineering expertise, we help customers minimize the cost associated with building secure communication channels while adhering to client needs. We work closely with RRC's Electrical Design Group to incorporate the communication design philosophy into early stages of design. We also work closely with UL508 certified panel shops to manufacture various types of panels, such as Communication Network panels and DC String Monitoring panels for Inverter Stations.

Power Plant Controller and HMI Programming

RRC combines logical control, HMI interfaces, historization, alarm and event logging, and performance trending and reporting into a single, integrated system with 3 typical package options:

Bronze: <10 MW
Silver: 10MW - 75 MW
Gold: >75 MW

The logical control of the system includes, but is not limited to, power factor/VAr control, voltage control, output control, performance calculations, and curtailment through Schneider Modicon PLCs or Allen Bradley ControlLogix PLCs. Specializing in industrial SCADA HMI software, such as Wonderware Intouch, Ignition SCADA and Siemens WinCC, RRC is able to deliver a customized HMI screen with detailed graphical and tabular displays which meets all user requirements.

Certifications

- Wonderware Certified Developers
- Ignition SCADA Registered Integrator

Contact Us

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