



RENEWABLE ENERGY CONTROL SYSTEM SITE SERVICES

AUTOMATION SOLUTIONS

The growth of renewable energy and the proliferation of wind and solar generation facilities has increased the demand for resources to perform various on-site services for control systems. North American Electric Reliability Corporation (NERC) testing requirements have also contributed to the demand for these services. Typical examples of required on-site services include NERC alarm testing and verification, control and electrical system troubleshooting, and commissioning. Because of limited internal staff, operators are increasingly turning to external resources to perform these tasks.



Our experienced automation professionals bring an operator's perspective, combined with extensive knowledge of industry standards and an in-depth understanding of control and SCADA systems. We develop and implement alarm testing plans to help ensure that the systems that our customers operate meet NERC compliance and documentation requirements.

Thorough and rigorous commissioning is essential to the safe and reliable operation of renewable generation assets. Our team provides comprehensive, independent oversight as well as commissioning and start-up services to ensure that these systems perform as designed. In addition to new installations, we can provide control system validation and recommissioning services for existing facilities.

As one of the leading control systems integrators in the nation, we have proficiency with a wide range of control and SCADA system hardware and software platforms, as well as communication networks and cybersecurity standards and applications. Additionally, our team has extensive knowledge and experience with protection and controls. This enables EN Automation to provide a comprehensive range of on-site services for control and SCADA systems to help ensure the integrity and functionality of new and existing renewable energy facilities.



**FOR MORE INFORMATION
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ON-SITE CONTROL SYSTEM SERVICES

- NERC critical alarm testing
- NERC PRC-005 compliance support
- End-to-end testing
- Control system troubleshooting
- Commissioning for new sites
- Recommissioning and validation of control systems for existing sites
- Construction support
- Programming, design, and maintenance services for control and monitoring systems (PLC, HMI, RTU, protective relays, PMUs, BESS controls, etc.)
- End of Warranty (EOW) control system support services
- Customized control system training