



PROGRAMMING & COMMISSIONING

Ulteig's professional staff provides the services needed to support the programming, checkout, and commissioning of new and existing substation facilities.

We provide review of all detailed design within a substation, including protection and control, programming and communication, electrical design, detailed structural steel design, and civil grading plans. This review helps to ensure a safe facility that mitigates failures due to improper commissioning.

Our staff consists of professionals who are registered throughout the United States and are ready to support our clients' needs by providing value-added solutions. Ulteig's professional staff meets our clients' project objectives while balancing environmental, code, and site performance standards. Our cross-functional teams leverage the latest technology to produce reliable and economical solutions.

PROGRAMMING SERVICES

- SCADA alarm, status, and control point development
- RTU program development
- PLC program development
- HMI program development and simulation
- Relay setting development and system coordination
- Metering program development
- SCADA and communication interface design and testing
- Protocol/communication management
- In-house lab program debugging
- Protection coordination and fault studies

COMMISSIONING SERVICES

- On-site observation and inspection during construction
- Stormwater pollution prevention plan (SWPPP) inspections
- Grading and site inspections
- Facility witness testing/observation
- Factory equipment witness testing
- Facility checkout
- Contractor communication support services
- Checkout and testing assistance
- Electrical design inspection
- Development or review of commissioning documents
- Development or review of equipment testing documents
- Technical field education of personnel
- Federal, state, and local compliance assistance
- Test result evaluation and recommendation