



Grid Modernization

Carry, control and monitor the bi-directional flow of electric power more safely and efficiently than ever before.

Renewable energy generation and distributed energy resources are becoming a more prominent part of the grid. This change requires new distribution equipment that will ensure these networks are able to carry, control and monitor the bi-directional flow of electric power more safely, reliably and efficiently than ever before.

Diagnose Then Solve



Every distribution network is unique and requires a diverse set of new and operating asset services and solutions to ensure optimal performance. Our team's complementary experience working with and for utilities brings a hands-on perspective to the distribution networks we've helped plan, design, construct, optimize and modernize.

Technical Advisory & Planning

- Hosting capacity analysis
- Integrated distributed resource planning
- Advisory & Planning for overhead (OH) distribution lines and underground (UG) networks
- OH/UG feeder routing for distribution network enhancements
- Pole modeling – strength and loading evaluation
- Make Ready Planning – all planning required to identify third party joint use work needed to accommodate the attachment of third-party facilities to a utility's pole
- Load Growth/Impact Analysis
- Power Quality Analysis and Modeling

Program, Construction Management and Deployment

- Construction access and easement agreements
- Field inspections to ensure adherence to all requirements
- Program, construction management and construction of overhead lines and underground networks

Engineering

- Automated field data capture and verification for asset health, construction, and GIS
- Design and specification for overhead distribution lines and underground networks
- Make Ready Engineering – engineering services to ensure adherence to all requirements for joint use of electrical distribution system assets by third parties, as well as environmental and cultural reviews
- Construction-ready drawings, details, bill of materials (BOM), and work packages
- Protection and control packages with one-lines, schematics, wiring, communications, and settings
- Geographic information system (GIS) mapping
- SCADA RTU design and master configuration