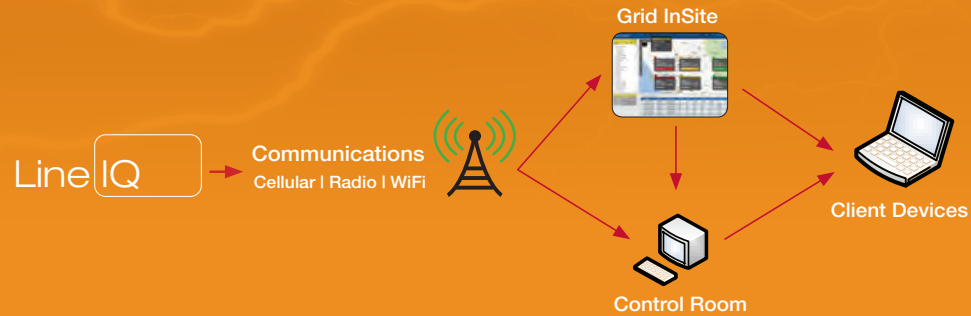


A Complete Line Monitoring Solution



Technical Specifications

Line Voltage	5kV to 138kV
Conductor Range	6mm (0.25") up to 32mm (1.3")
Sample Rate	Current 600Hz, Voltage 600Hz
Accuracy	Current: 2% of reading +/- 1A Load recording range: 1A – 25kA Current sensor fault detection range: 5A -25kA
Ingress Protection	IP66
Measured Parameters	Current and power (On/Off)
Fault/Event Capture	60-Sec RMS profile (I & E-Field) Pre-event Line Loading Fault Current Magnitude up to 25KA Fault Current Waveform (200ms) E-Field Waveform % Change (200mS)
Energy Storage/ Power Source	Solar with battery backup
Communications	Local RF 150 ft (50m); Cell (GSM/CDMA), Landline; DNP3, Web Services SCADA & historian integration tools available
Memory	100+ events (60sec RMS records); 32+ fault waveforms; up to 85 days' load profiling

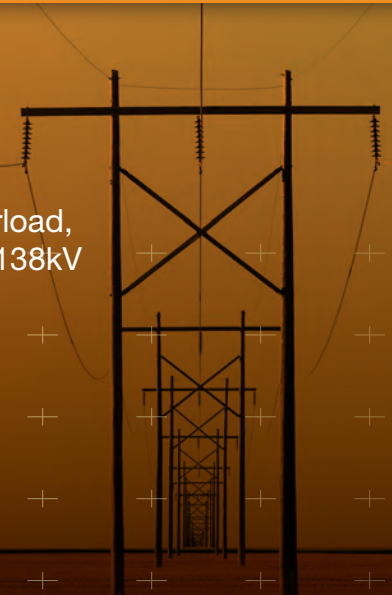


Line IQ

Advanced distribution and sub-transmission line monitoring

Quickly identify faults, protect against overload, and intelligently monitor lines from 5kV to 138kV

- Easy hotstick installation
- Multiple communications options
- No IT infrastructure required



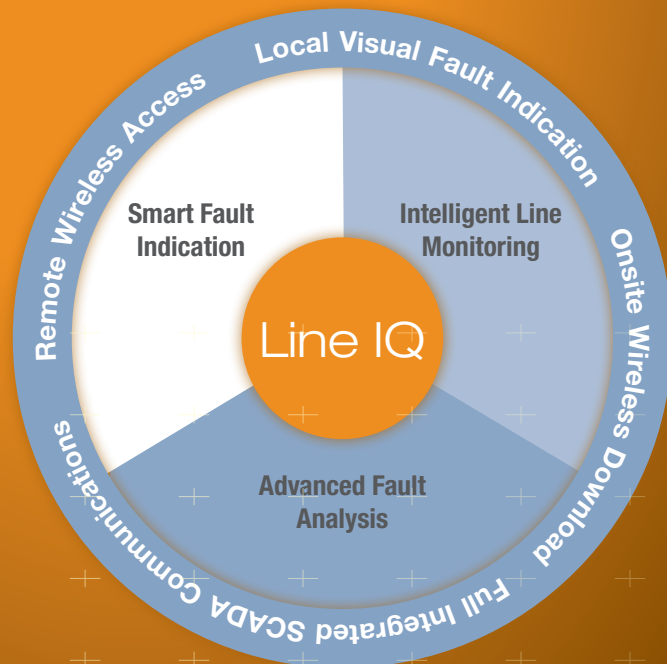
Maximize Grid Efficiency With Overhead Line Intelligence



- Monitor critical distribution and sub-transmission lines (5kV-138kV)
- No limitation on load requirements for power supply operating 24/7 from 1-25,000 Amps
- Use one radio for up to 15 units at one location, minimizing costs for substation applications
- Dual port communications support multiple radios, simplifying piloting
- Record 3 cycles of data before the line incident and 7 cycles after

With time-stamped event recordings, you'll monitor:

- Fault Waveform
- Load Profile
- Power Factor
- Line Status and Condition
- Ambient and Conductor Temperature
- Time-Stamped Event Recordings
- Fault Direction



Line IQ

Affordably and Reliably Meet More of Your Line Monitoring Needs

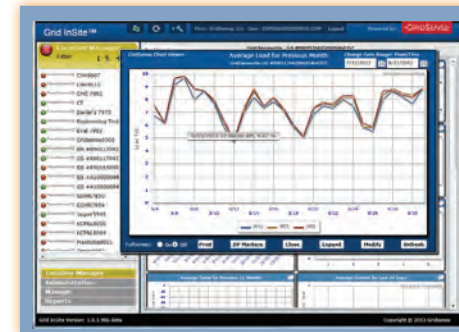
At the system's heart is an innovative, self-powered sensor easily installed on energized lines with a standard hotstick. While most line monitoring solutions use an inaccurate inductive coil to measure current, LineIQ uses a highly accurate CT that allows distance to fault calculations.

Retrieve data locally, or remotely

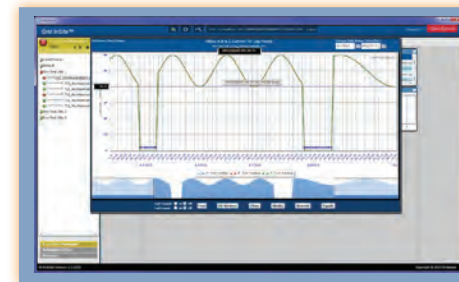
Onsite wireless connection is available via your laptop and GridSense Local Link with a range up to 150ft (50m). The LineIQ Communications Gateway allows wireless transmission to remote locations via multiple networking options, including cellular, Ethernet, mesh radio, Wi-Fi, and more. The Communications Gateway also supports multiple messaging protocols, including DNP3.

One-Click Access to Your Data with Grid InSite™ Software

View real-time, actionable data about your grid with intuitive, graphical displays and exportable files in graphical or tabular formats. There's no infrastructure required; all you need is an Internet connection and an Internet device.



The intuitive interface puts analysis at your fingertips.



Quickly get an historical view of captured events.

The industry's most flexible, future-ready line monitoring solution.

—GRIDSENSE™