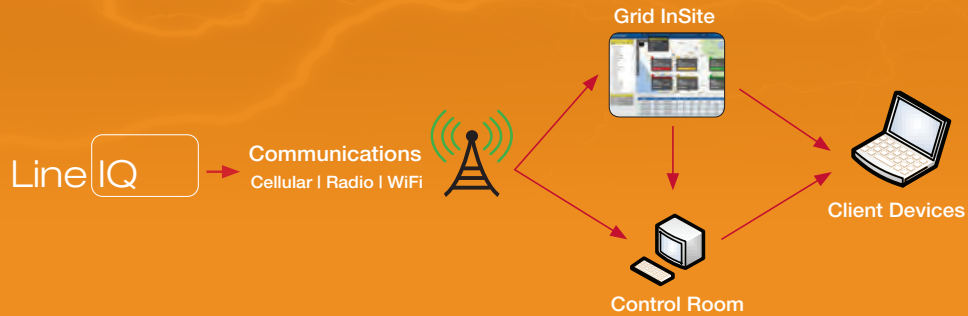


## A Complete Line Monitoring Solution



### Technical Specifications

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





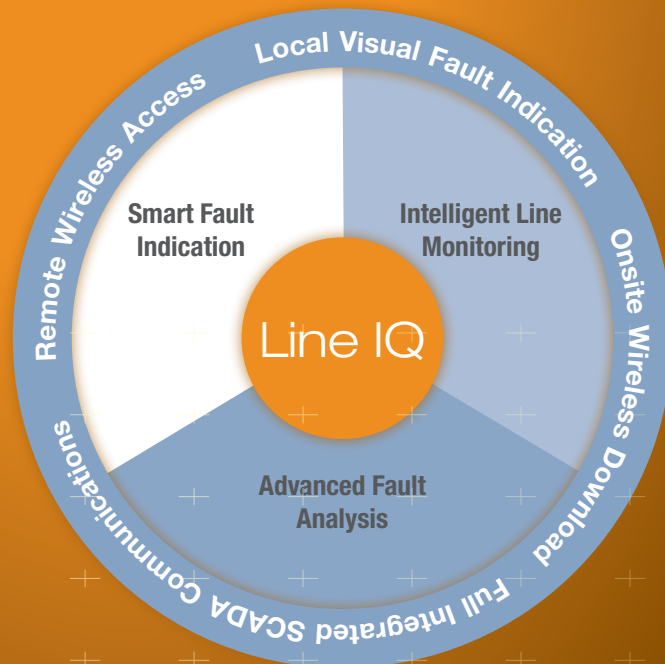
## Maximize Grid Efficiency With Overhead Line Intelligence



- 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

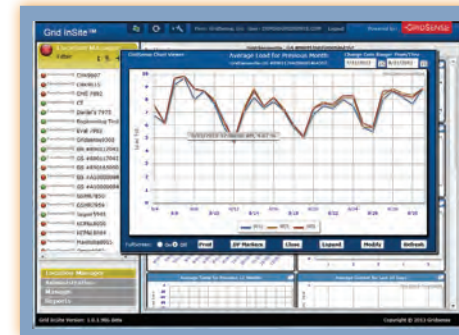
At the system's heart is an innovative, self-powered sensor easily installed on energized lines with a standard hotstick. While most line monitoring solutions use an inaccurate inductive coil to measure current, LineIQ uses a highly accurate CT that allows distance to fault calculations.

### Retrieve data locally, or remotely

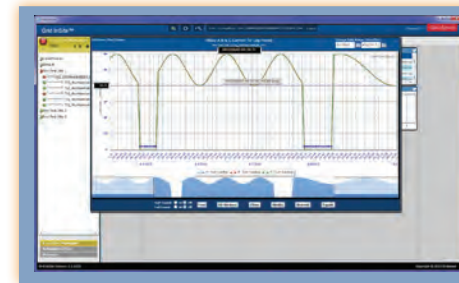
Onsite wireless connection is available via your laptop and GridSense Local Link with a range up to 150ft (50m). The LineIQ Communications Gateway allows wireless transmission to remote locations via multiple networking options, including cellular, Ethernet, mesh radio, Wi-Fi, and more. The Communications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



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