



BACSOFT MONITORING AND CONTROL OF RECLOSERS

THE CHALLENGE

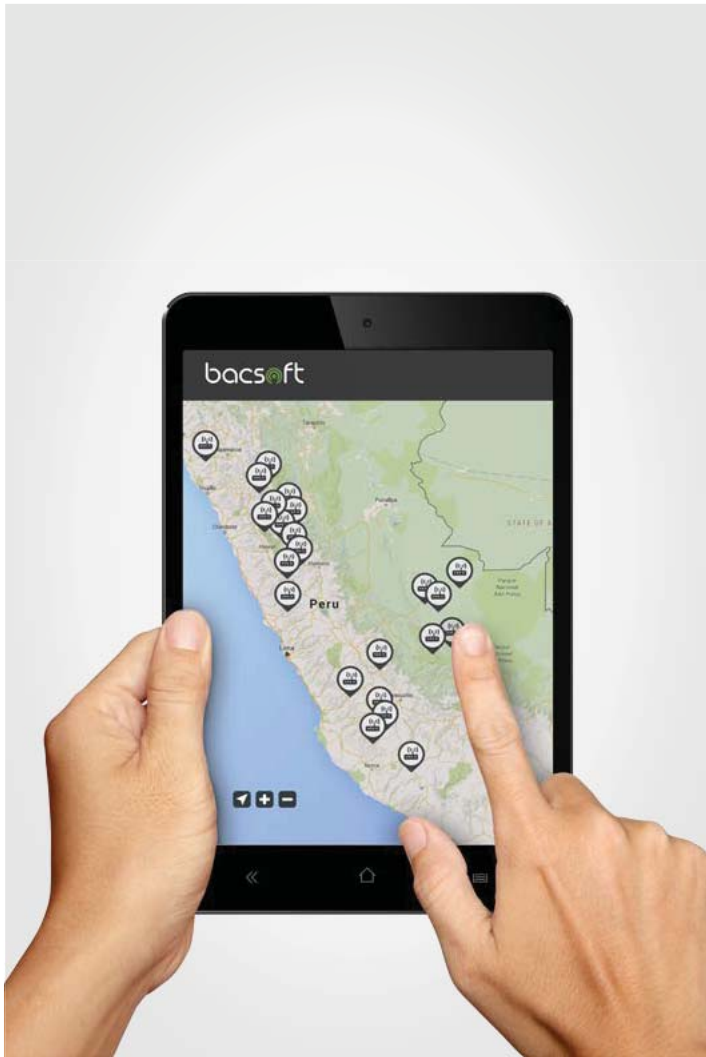
A recloser, or autorecloser is an important element of any overhead electrical distribution system. It is a circuit breaker equipped with a mechanism that automatically closes the breaker after it has been opened due to a fault on the line, such as a fallen tree limb or other event, protecting high-tension wires from short circuits. Reclosers divide any large network into smaller sections, so the entire system doesn't go down. Service continuity is improved when power is restored automatically after a momentary fault. The management of these breakers over vast electrical systems can be greatly improved using the Internet of Things

THE SOLUTION

Bacsoft has an advanced IoT technology that optimizes and controls reclosers, enhancing their effectiveness in protecting transformers through an immediate disconnection of the electric circuit when there is a problem on the line. Bacsoft offers an intelligent system capable of smart sensing and real-time monitoring in order to disconnect the transformers on demand, to provide an alert when the recloser is activated and to ensure the immediate restoration of the circuit when the problem is cleared. With Bacsoft you can view incident reports and statistics for multiple reclosers on the same line to predict problems and apply preventive maintenance. Bacsoft's systems even continue to work when electricity is compromised.

- Real time monitoring of a network of reclosers
- Control of power circuits in case of disruption, high temperature or other failure
- Configure reports on individual or multiple reclosers including incident reports and statistics
- Real time alerts about changes within circuits, disruption and restoration of service
- Closed loop control: Once potential is low/high in related measurement points (related points for the reclosers) automated adjustment is taken on the circuit.





THE BENEFITS

- Monitor and analyze multiple reclosers over an entire system
- Immediate response to disruptions in the system due to events on the line
- Prevents power outages, damage to transformers
- Cost savings in preventative management of electric systems
- Remote on/off of individual reclosers or whole systems
- Reduces tampering or theft
- Easy to deploy, use and expand
- Complete remote access via PC, tablet or smart phone
- Full service turnkey solution

SPECIFICATIONS

- Bacsoft Smart Controller: Standard or Low Energy connected through dedicated protocol including legacy reclosers. Connected via serial ports by digital connection for remote monitoring and control/adjustment.
- Analog inputs (+/- 5000 mV), 20 bits resolution. Input greater than 100 M OHM
- Measurement Parameters: potential to reference current via SHUNT and transformer temperature measurement

