

UNLEASHING THE POWER OF YOUR DATA

HealthMAP provides near-real-time analytics to monitor the health of your electrical distribution network. Taking advantage of smart meter capabilities, HealthMAP combines your metered data along with your network model to report and detect problems and alert operations & engineering via a secure, map-based web portal and email alert.

ENJOY FULL VISIBILITY OF YOUR NETWORK

For smaller utilities without a SCADA system, HealthMAP provides the visibility necessary to respond to over voltage drops, overloaded transformers, network losses and power outages.

Even if you do have a SCADA system, HealthMAP delivers a much higher degree of visibility – beyond substations, secondary transformers and meters on secondary circuits – so you can pinpoint problems and resolve them proactively – before they become costly emergencies.

MONITOR BY EXCEPTION

HealthMAP provides a dashboard displaying the status of your network, but the real power lies in its alert system.

You can setup tolerance thresholds for different situations and automatically email the right person if a threshold has been exceeded – wherever they are and at any time of day.

Since network problems don't confine themselves to business hours, HealthMAP ensures network operations personnel receive alerts as they are developing, rather than after the fact.

It also eliminates the problem of “data overload” by steering attention to specific customer situations or network devices that are causing problems.



GAIN EFFICIENCIES THROUGH PROACTIVE OPERATIONS

When network issues go unnoticed until a customer complains or there is a power outage, it is almost always more expensive to fix the problem. HealthMAP will help you anticipate rather than react, to avoid unnecessary costs and improve your reliability rating.

An easy to use map-based solution for isolating & addressing the following:

Under & Over Voltage Conditions

HealthMAP can send you an alert (by email and/or text message) about voltage deviations. By simply clicking on a link in an alert, HealthMAP displays an interactive map that shows all the affected network devices. Drilling down on any device displays the historical voltage profile for that device so operations and engineering can see if the over or under voltage condition is temporary or chronic.

Overloaded Transformers

Similarly, HealthMAP alerts you to the location and severity of overloaded transformers, displaying them on a map so your network operations staff can assign work efficiently.

Seeing physical locations helps operations minimize truck rolls by grouping nearby at-risk transformers into a single work order. It also provides historical analytics so operators can make better, more informed decisions about servicing, replacing, or even moving customers to different transformers to extend transformer life.

Power Outages

HealthMAP identifies power outages, alerts you and once again provides a map indicating the locations of all the affected (and unaffected) meters in the area. Knowing this information in advance of customer phone calls improves customer service. It also helps network operators infer the precise origin of the outage so they can respond quickly. Power outage data can also be fed into an outage management system.

Network Loss

- HealthMAP can show all the feeders at a substation and the load at each feeder at a glance, including kw, kvAR and voltage for each phase, and lets you drill down to see more details on each feeder.

It also compares the load on the feeder with the sum of all of the meters downstream to show loss patterns, by day and by hour (including all Residential and C&I customers). Operations can compare these patterns to normal loss profiles (arising from technical losses) to expose potential power theft. For example a sudden spike in the Network Loss Graph to 40% at 5:00 am is a clue that a non-metered load has been introduced on that feeder.

