Yukon

GridServer Web

GridServer Web, a key component of the GridServer Solution Suite, provides data collection from the GridServer family of field sensors and provides Web-based displays for that data. GridServer Web manages communication links to the sensors and presents the collected data via secure custom designed Web pages. This simple yet sophisticated solution is designed to extend the reach of distribution SCADA and allow for increased system automation. GridServer Web can be deployed as a low cost standalone solution for smaller utilities or to test new sensor application capabilities.

GridServer Sensors

The growing family of GridServer sensors includes:

OutageAdvisor – A communications enhanced Faulted Circuit Indicator (FCI) that quickly indicates fault events, assists in finding their location, shortens response time, and improves reliability indices.

VARAdvisor – A sensor package that measures and reports the current flow through the capacitor neutrals to indicate fuse failures.

GridServer Communications

The historic roadblock to widespread-remote instrumentation packages is the cost of installing and supporting communications to multiple sites. This limits data collection to high value locations “inside the fence.” The GridServer Solution Suite maximizes existing communications media or uses negotiated commercial options to greatly reduce communications costs.

Deployed communication options include cellular data as well as industry leading SCADA and Advanced Metering Infrastructure (AMI) technology. Support for additional communication options is being developed. GridServer manages one or more communication methods simultaneously, allowing operators to focus on data rather than data collection.

OutageAdvisor data navigation from the sensor to the end-user.

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COOPER Power Systems

Yukon and GridServer

Connect with exisiting and planned devices to efficiently make use of data to administer and provide notifications.

GridServer Functionality

Administrative

The GridServer Web is setup and managed by Cooper Power Systems personnel. Adding new sensors, editing a sensor, assigning a sensor location and setting up points associated with sensors is done for the utility. Creating display pages that group sensors and their associated data into logical subgroups is managed with utility input.

Data Display

The GridServer Web efficiently moves sensor data from field locations to the Internet. Collected data is viewed real-time through custom designed Web pages. Page content can be tailored to reflect the specific sensor application such as OutageAdvisor or VARAdvisor. This allows utilities to view the information in their preferred format. Data is archived and stored for reporting and graphing functions.

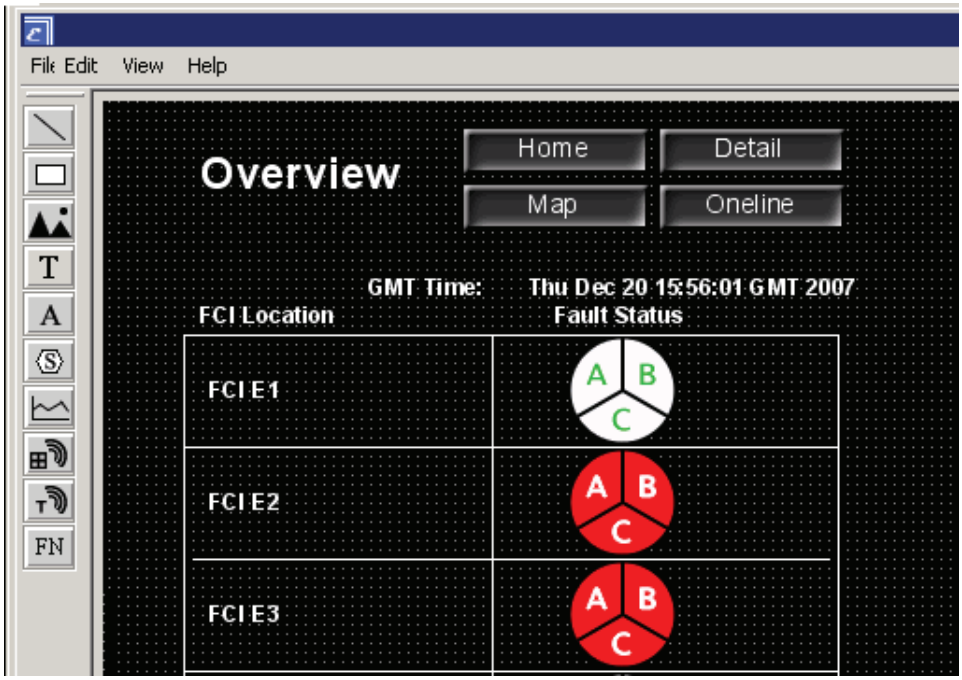
Notifications

GridServer Web provides e-mail, paging and text message notification of sensor events as well as display of alarm event status. Notifications are generated based on point data value events including state value, threshold limits and other typical SCADA alarm conditions.

These notifications are provided in real-time. When an event occurs, an e-mail message is generated and sent to the configured notification group. Rather than having to continually monitor the system, personnel receive notification of sensor events.

Interconnectivity

The hosted solution provides secure connectivity exclusively through the Internet. Reports and graphs can be generated online and downloaded for import into external systems.



Cooper Power Systems GridServer Solution Suite uses cellular, licensed RF, and unlicensed RF communications to minimize infrastructure investment. It uses field proven technology to ensure the utility can provide the highest levels of customer reliability and service.

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