



Improve distribution information intelligence

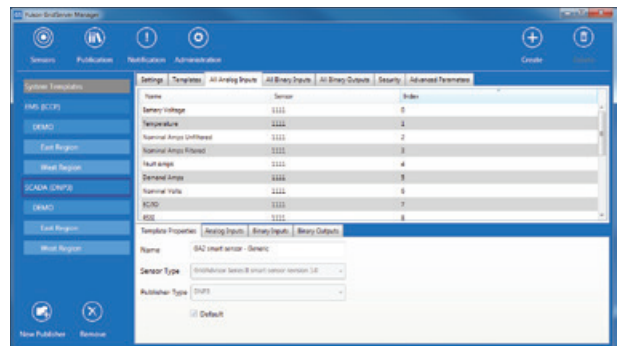
Better manage your fleet of smart sensors with Eaton's Cooper Power series GridServer software.

Improve how you manage and integrate your fleet of smart sensors with Eaton's GridServer™ software. The software will reduce man-hours required to set up, commission and integrate sensors into the various client applications needing sensor data.

GridServer software can concentrate the thousands of sensor connections that exist into a more manageable data connection for SCADA or OMS using DNP3 or inter-control center communications protocol (ICCP). The software also provides user administration tools allowing multiple working groups to leverage the same IT infrastructure. The software may assist with event notification to the end users by generating an email or SMS message based on the reported sensor data.

Save time and money

- Easy-to-use drag and drop configuration interface reduces engineering time to configure and manage sensors
- Data concentration of thousands of communicating smart sensors to multiple clients and publishers simplifies integration into other system applications such as OMS and data historians
- Service-oriented architecture supports scalability needed to integrate thousands of devices into a utility's business environment
- Distributed software components allow isolation and separation of cellular private network connections from utility SCADA domain
- Integrated Visual T&D™ support provides visualization of data with best-in-class diagnostic tools for supporting a large smart sensor deployment
- DNP3 dual end-point support improves cellular data traffic characteristics to improve device availability while reducing cellular overhead and bandwidth
- Automatic integration to Eaton's IED Manager Suite enables Fleet Management capability with a single point of configuration
- Account administration is integrated directly to Windows® Active Directory® with single sign-on approach to meet evolving security requirements



Improving distribution information intelligence just got easier with better management of smart sensors.

How it works

Eaton's GridServer software is designed to improve the management of a large smart sensor deployment by addressing the information technology challenges that otherwise become prohibitive to a successful deployment.

The GridServer software is intended to consume smart sensor data as the front end processor. In this role, it can inherently act as a network isolation point between the cellular provider and utility SCADA domain. This is accomplished by installing acquisition services within the DMZ and outside of the firewall so no routable traffic is passed within the secure network. The main GridServer software application will accept data from the acquisition service through a centralized message bus. From the message bus, it can then concentrate the individual sensor's messages into an

aggregated DNP3 or ICCC link to other applications within secure domain or on corporate network.

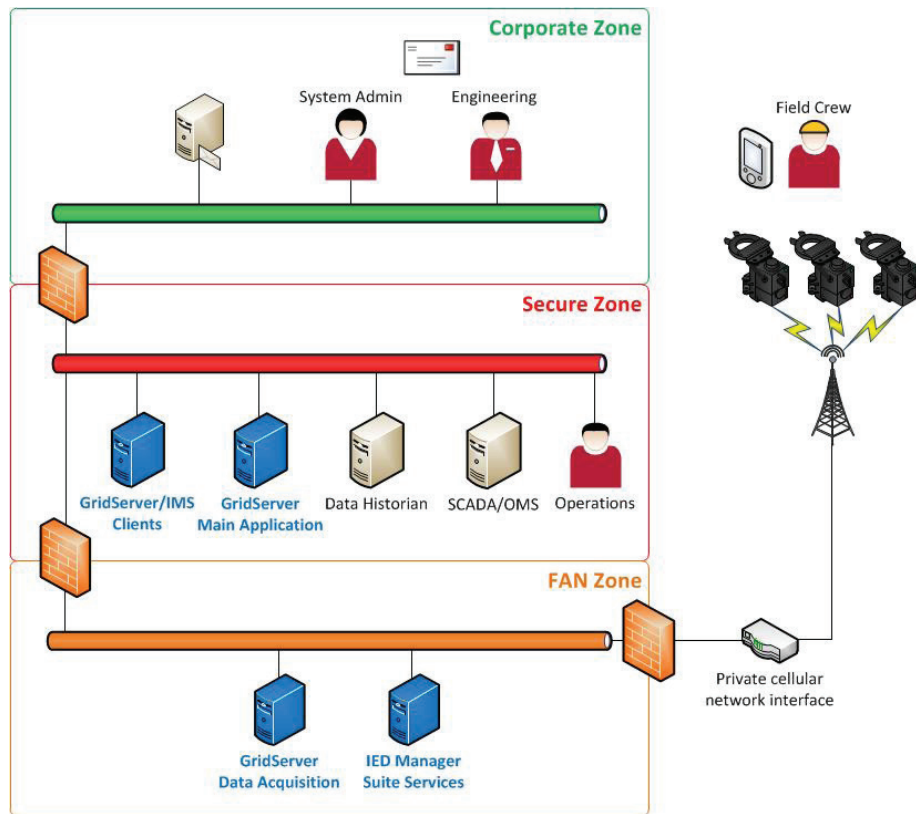
Processing exists within the software to generate email or SMS notifications to end users when alarm conditions are present. This gives an alternative notification process to the end user that is independent of operations.

Serving as an additional application on the secure network, it is important that the GridServer software be created with an intuitive user interface that does not become an overwhelming burden. The drag-and-drop tiered folder organization is simple to understand and a powerful way to organize and support large numbers of smart sensors. The automatic integration to IED Manager Suite minimizes the effort to maintain a comprehensive Fleet Management solution for these assets.

Proven solutions for the power industry

Eaton is aimed at implementing solutions to enhance the performance of electrical power networks. Our products have a proven track record of meeting customers' needs with innovative and reliable solutions for integration and automation.

The team behind our products has valuable experience in custom designs and consulting services, and an outstanding reputation for customer support, making Eaton a leader in the field of enterprise automation solutions for the power industry. For more information about how these smart products can benefit integration, security and communications, contact Eaton and request a demonstration.



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