



AlertEnterprise Smart Grid Security

True Convergence of Physical and Logical Security

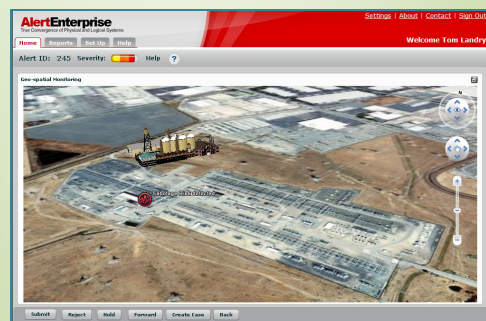
The Smart Grid includes millions of advanced meters, sensors, remote terminal units (RTUs), phasor measurement units (PMUs), fault indicators, and intelligence that enables the two-way flow of information and electricity. The promise of Smart Grid is to deliver higher transmission transfer capacity, integration of intermittent renewable energy sources, more efficient and effective maintenance practices, faster outage restoration, better workforce management and more visibility into consumption combined with value-added services for consumers.

Securing the Energy Value Chain requires the Convergence of Logical and Physical Security... Just encrypting meter data is not security.

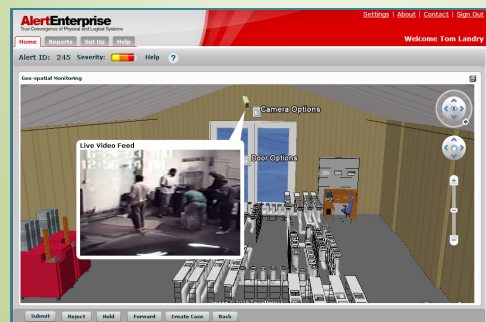
The AlertEnterprise Smart Grid Security Solution includes:

- Risk Visualization
- Correlation of alerts and events
- Integration with Surveillance, imaging and other Sensor Networks
- Integration with Card Access Systems and Biometrics
- Ability to conduct risk analysis across major ERP systems, like SAP and Oracle, IAM Systems, CIS Systems, OMS and Workforce Management

A key aspect of the AlertEnterprise Smart Grid solution is AlertAction a visual situational awareness and automated incident management application:



Incidents related to critical assets can be viewed on a geo-spatial map for drill-down.



Situation managers can pull-in video from surveillance cameras, lock doors and respond.

In addition to the excitement around smart grid, governments are mandating an increase in the proportion of renewable energy sources which is accelerating the adoption of smart grid. In the rush to implement this vision and take advantage of government incentives, security is taking a back seat to expediency.

Many utilities are just encrypting meter data to address security. This is a “feel-good” measure that at best leaves them exposed on many fronts.

AlertEnterprise delivers a software solution that works with existing enterprise applications, operational systems, control systems and physical access control systems to deliver a total security application for the smart grid.





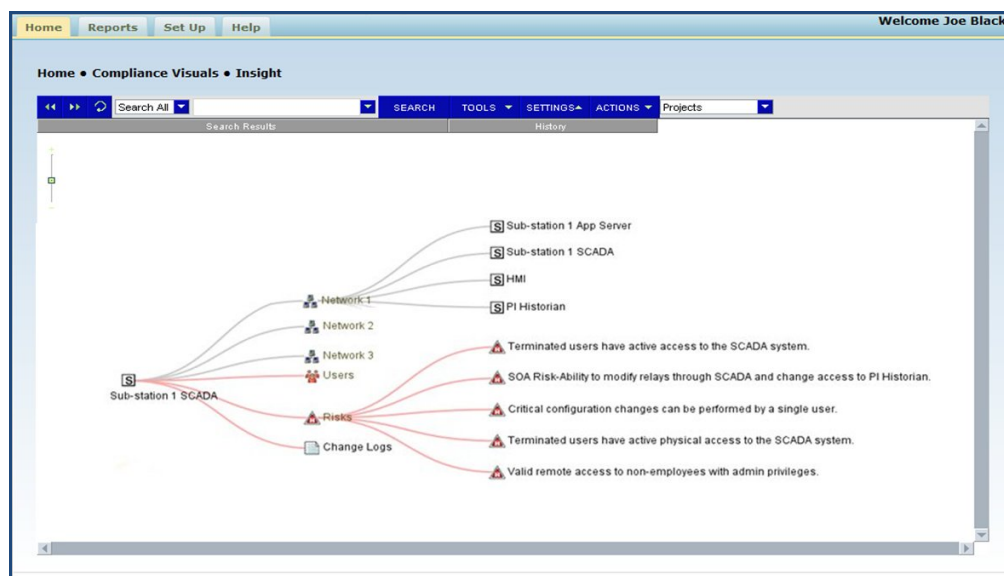
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The AlertEnterprise Smart Grid Security Solution delivers the ability to:

- Protect data and privileged access to smart meters, gateways, head-ends and aggregated meter data.
- Secure the connection points where renewable energy sources feed into the grid
- Identify and secure cyber and physical access to cyber assets, critical assets and facilities.
- Secure access to SCADA, DMS, EMS and other real-time control applications.
- Monitor terminated and high-risk employee access to cyber assets and facilities
- Monitor and actively respond to unfolding incidents in real-time via next generation geo-spatial situational awareness capabilities
- Deliver risk management and compliance automation for multiple regulations like NERC-CIP, CFAT, NIST SP800-53, ISO 27002 etc.
- Integrate seamlessly with SAP, Oracle ERPs, IAM Systems, CIS Systems, OMS and Workforce Management.
- Identify risks and monitor access to future smart grid value-added services such as Plug-in Electric Vehicle (PEV) charging stations and access points.

The AlertEnterprise Smart Grid Security Solution is software that works with existing enterprise applications, operational systems, control systems and physical access control systems to deliver a total security application for the smart grid. With AlertEnterprise organizations spanning the entire energy value chain can protect privileged access and data from smart meters, gateways and aggregated meter data; monitor physical access to cyber assets; critical assets and facilities; protect power industry specific applications like DMS, EMS and EAM; as well as real-time control applications like SCADA and DCS.



The AlertEnterprise Smart Grid Solution addresses a common problem faced by many organizations - terminated employees having active access to SCADA and control systems. This continues to be a source of significant risk for power generators, transmission and distribution operators and well as smart meter networks. Using AlertEnterprise managers can visualize the risks and deploy a series of remediation strategies.

Benefits

- One security solution to integrate across IT, Physical Access and Industrial Controls
- Correlate seemingly innocent events to resolve blended threats and vulnerability as well as detect and intercept adverse events.
- Automated locational awareness via geo-spatial mapping to respond to events in real-time
- Active Policy Enforcement guarantees continuous compliance with regulations and standards like NERC-CIP, CFATS, NIST SP 800-53, ISO 27001/27002 etc.

About AlertEnterprise

AlertEnterprise provides the only complete solution for role-based, rules-driven access enforcement. AlertEnterprise addresses blended risk assessment and security across all logical systems, IT applications, databases, and physical systems from a single analytic dashboard, complete with auto-remediation capabilities. Additionally, AlertEnterprise delivers visual risk and event monitoring, alerting, mitigation, and analytics displayed on a geospatial map. AlertEnterprise is headquartered in Fremont, CA and on the web at www.alertenterprise.com

AlertEnterprise!

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