

SCADA Nexus delivers Situational Awareness information “Where you want it, When you need it.”

SCADA Nexus is a Client/Server Web based Data Collection and Control solution, providing Situational Awareness of your remote assets for mobile workforces and decision makers. Every organization is responsible for providing a safe environment for its employees and the people they serve – residents, patients, students, guests, customers, etc. As part of a risk management strategy, situational awareness helps protect people, property, business and convenience/comfort.

SCADA Nexus is a comprehensive package that includes configuration, maintenance & obsolescence protection. It’s easy to buy, easy to operate, and easy to implement.

Easily Connecting Remote Assets

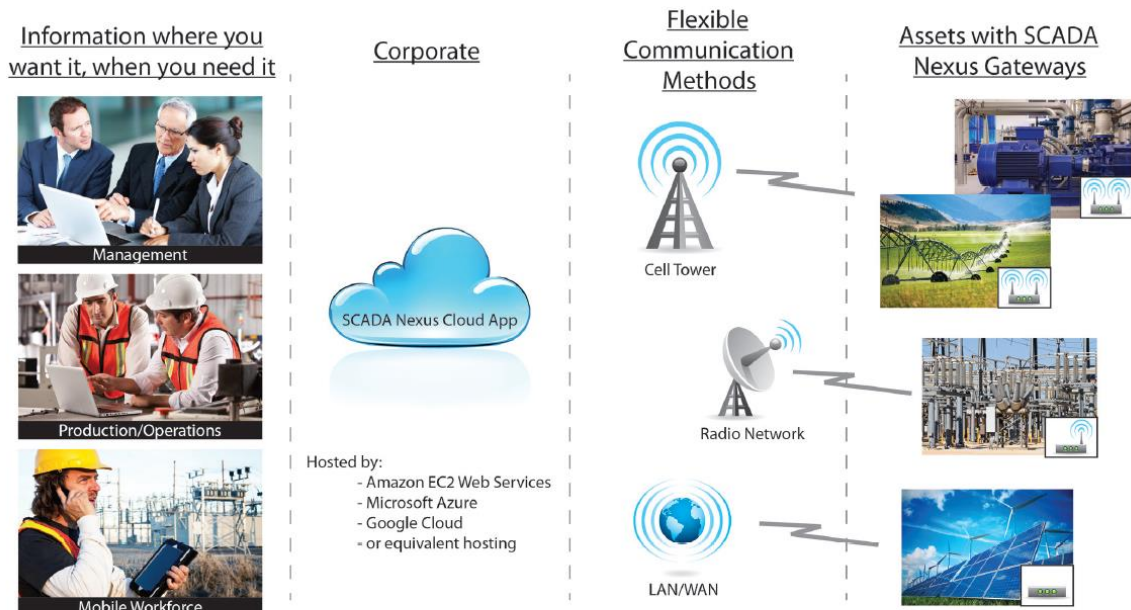
- Uses existing Field mounted Intelligent Electronic devices and systems (IEDs) protocols
- Extends the use of existing SCADA Masters outside of the confines of the Control Room to the Board Room
- Extends the lifecycle of existing infrastructure into the Mobile Connected Workplace
- Securely operates the business critical infrastructure and centralizes operational event collection
- Supports Multiple communication options including the latest networking infrastructures
- Allows Universal compatibility with existing automation systems

Easily Integrates Mobile Workforce

- Information where you want it, when you need it –
 - Production, Maintenance, Management, Finance, Mobile Workforce
- Less travel and physical monitoring equates to lower costs with improved workforce productivity
- Improves problem response times & task prioritization regarding remote assets
- Data presentation via any “smart” device

Using the Cloud Made Simple

- Low cost / Low risk entrée into flexible information delivery via the “Cloud”
- No additional IT investments or infrastructure required
- Enables SCADA Nexus to be scaled quickly & efficiently deployed across your enterprise
- Unique hidden architecture design of SCADA Nexus makes it invisible to external intrusion



Deseret Power – Salt Lake City, Utah

“We are amazed that the SCADA Nexus equipment can do so much for an exceptionally reasonable price! The system pluses are: web-browser based configuration, data buffering, battery backed-up configuration parameters and extremely reliable equipment.”

Standard Features

- Customer owns all stored data
- Simple to setup data collection and control solution
 - Includes:
 - Gateway hardware (Serial or Ethernet connectivity),
 - Cloud setup & hosting,
 - Information dashboard templates,
 - Support and Obsolescence protection
- Meets industrial & utility standards and regulatory requirements [IEEE, ANSI, NERC, FERC and CIP]
- Unlimited users & “smart” device connections, plus data storage for all device data
- SMS and Email Alerts & Alarms

Multiple Secure Network Connection Options - All Using TSL/SSL Authentication and Encryption

- Wireless cellular connectivity [from major wireless carriers]
- WIFI Connectivity to existing Infrastructure
- Hardwire Network Connectivity
- Fiber Optic Network and IED connectivity
- VSAT 2-way internet satellite connectivity

Optional Features

- Existing Process Historian connectivity
 - [SQL, Wonderware and OSI PI]
- Internet Camera connectivity
- All NEMA enclosure types [1 through 13]
- Billing Application module for Utility industry
- UL 508 industrial Control Panel, CUL equivalent



Solar Power Generation

Avista Utilities generates solar power in Eastern Washington, using the captured power to charge electric vehicles. Avista Utilities uses SCADA Nexus to report on the power generation & consumption data from this process.



Who benefits from SCADA Nexus?

Engineering (Manager)

- Comprehensive Turn-key solution which requires no existing infrastructure support or custom engineering
- Cost effectively extends the life of existing systems, by bridging new SCADA Nexus technology with existing technologies
- Improved visibility of remote assets, without increasing manpower or data collection costs
- Established low risk solution with over customers in North America and Hawaii
- Standard & Optional features provide solutions that meet most industry requirements

Operations (Manager)

- More effectively operate remote assets using higher frequency of data collection
- Decrease response times & improve task prioritization regarding remote assets
- Easy purchasing options, utilizing CAPEX and/or OPEX budgets
- Information where you want it, when you need it - Production, Maintenance, Management, Finance
- Standard features include support & obsolescence protection
- SMS and Email Alerts & Alarms

IT (Manager)

- No additional IT investments or infrastructure required
- Low cost / Low risk entrée into _exible
- information delivery via the “Cloud
- Customer owns all stored data
- Meets industrial & Utility standards regulatory requirements [IEEE, ANSI, NERC, FERC and CIP]
- Unique hidden architecture design of SCADA
- Nexus makes it invisible to external intrusion
- SMS and Email Alerts & Alarms
- Unlimited users & “smart” device connections
- Easily bridges the gap between your remote assets, mobile workforces and decision makers



Agricultural Irrigation Control

Farm Cooperatives can remotely control their irrigation pivots and monitor water pressure to ensure proper crop irrigation.



Agricultural Irrigation Reporting

Using the data captured from their irrigation system, Farm Cooperatives can monitor their water usage to meet regulatory requirements.

SCADA Nexus

Developed and Manufactured by RAI

How it works

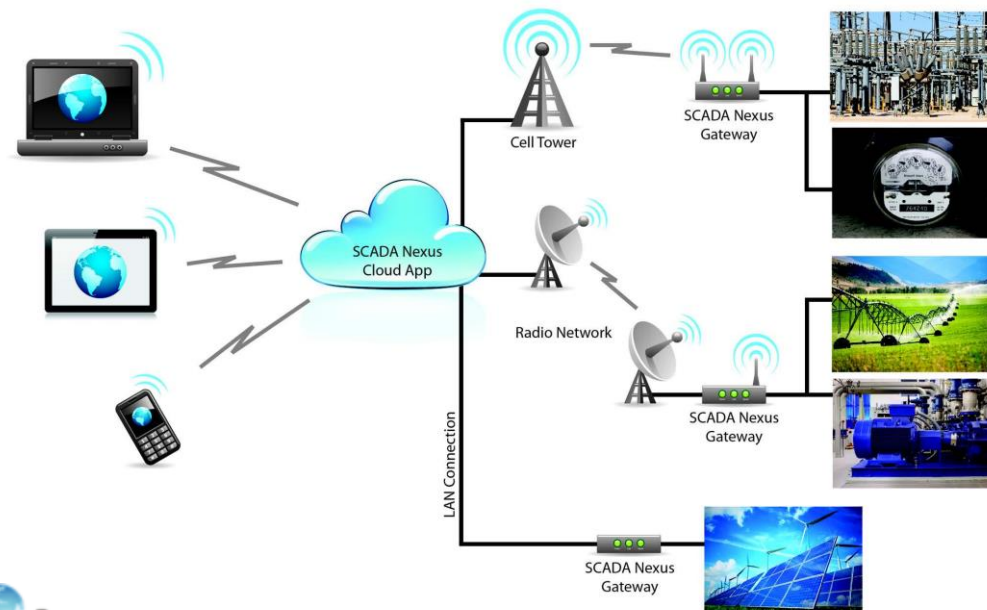
1. SCADA Nexus Gateways are installed in your plant or at your remote assets
2. Gateways capture the critical information from your assets and securely "push" the information to the SCADA Nexus Cloud Server
3. The information is displayed in graphical form through any web browser to qualified users using secure login/password technology

The SCADA Nexus Cloud Server displays information, captured via the Gateways, in user configurable dashboards. All information is available for reporting and real-time trending capabilities. All information and operator actions are stored in historical databases for "after-action" review and reports. Alarms can be sent via email or SMS alerts to mobile devices using predetermined responses. Password protected user accounts are utilized to access dashboards, reports and trends.

The SCADA Nexus Cloud is hosted on Amazon EC2 Web Services servers, or equivalent hosting at a customers' facility. The management interface is secured using password protected user accounts to access your information.

Amicalola EMC – Jasper, Georgia

"Amicalola Electric Membership Corporation began using the SCADA Nexus system in the spring of 2002. We are currently doing monitoring and control in 12 substations. We have in service, 22 Gateways and to date there have been no failures of any of these units. The setup for different communication parameters is very easy, we have been very satisfied with the system. We are expanding our use of SCADA Nexus as we are phasing out our older panels and RTU's."



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