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SEMAPHORE
a CSE-Global Group Company

Asia & Oceania

Security—Safety or Surety

In the last few months Semaphore has seen many clients access our web page to download the security whitepaper.

Even more impressive has been the response to a recent paper presentation given at the SCADA Summit held recently in Singapore.

In this issue we will highlight three key areas that Semaphore utilises to ensure security does not mean locked up, moreover it delivers knowledge that RTU's in the field are not in threat, they are in fact the least likely device to be approached in the case of an intrusion.

Server Less SCADA

Traditionally SCADA systems have needed 5 elements , Field devices, RTU, Communications layer, Control Stations and Software . With each layer independently connecting to the others yet needing those layers in order to fulfil the control objective.

Semaphore RTU's have always been apart of this traditional approach, however Semaphore RTU's do not need to conform to this traditional system. A system that requires connectivity and identity in order to operate. In essence these traditional SCADA systems are mere extension of PLC and DCS topologies, thus have been considered under the banner of such technology .

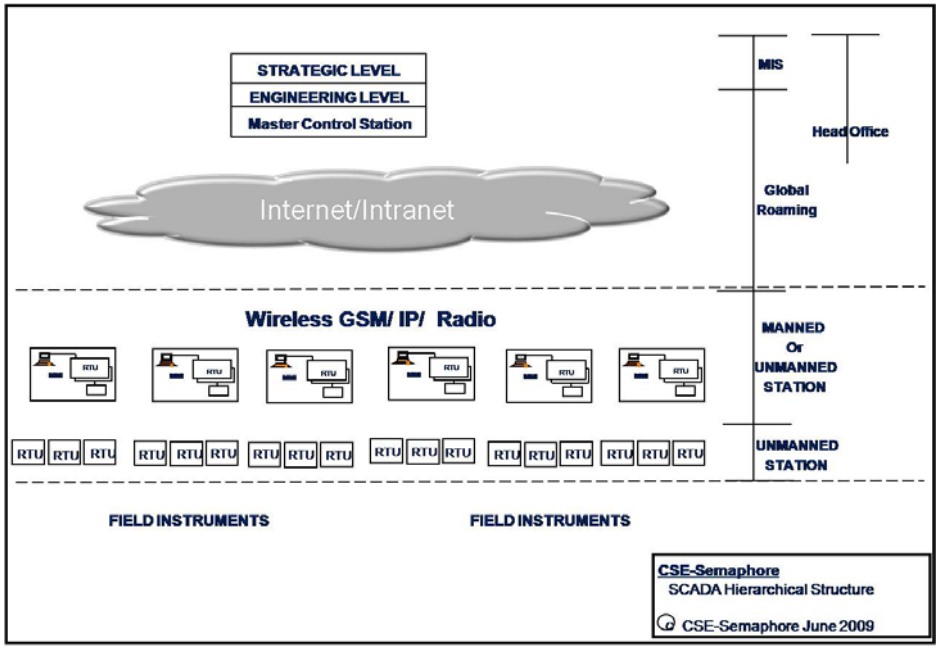
Not anymore with our inherent built in features such as Web and Email servers, SMS text connectivity and "Push" technology Semaphore RTU's do not need to be permanently connected to a topology, these RTU's do not need a server in order to fulfil their control objectives.

The RTU provides all the built in intelligence to know when to report, how to report and what to report. Even taking care of localised control the RTU can be commanded by a SMS text and as required can "disappear" from the network until such time as the operator needs to access the area.

This means that our clients can grow their SCADA systems one RTU at a time and deliver to their organisations a lower entry cost approach to SCADA solutions.

So by using elements of our technology the traditional dependence upon the 5 elements of a SCADA solution are now reduced to 3, The field device, The RTU and the communications media, as we have embedded the Control Station and Software inside the RTU.

For a more traditional approach, we have now Secure DNP . . . . . Next issue



New Releases

TBOX Wireless Monitor

The T-BOX Wireless Monitor is ideal for decentralized SCADA system applications, such as infrastructure management and mobile asset management, where its push and Web technologies enable high performance yet economical implementation and operation. T-BOX WM provides users real-time access to alarms, live information and historical data, anytime, anywhere, through a standard Web browser. Since T-BOX WM also supports e-mail and SMS text messaging, personnel can be kept fully up-to-date using a cell phone or PDA.

Designed for locations which lack a power source, T-BOX WM employs intelligent power management to allow operation using a small lithium battery. This ready-to-install solution is available in a variety of enclosures, such as an IP66 weatherproof housing, with internal single or dual lithium battery, and a communications device. The redundant battery significantly reduces risk of failure due—and necessity for a site visit—due to battery drain.

To reach all, point-of-use locations, T-BOX WM is available with a variety of wireless communications devices, including GSM cellular, CDMA cellular and spread spectrum radios. For landline telephone networks, a PSTN modem is also available.

Unlike other solutions for remote monitoring, T-BOX WM further incorporates programmable automation capabilities. IEC 61131-3 Ladder Diagram, Basic and Microsoft Automation environments expedite configuration of automation tasks and custom calculations for virtually any remote asset or process.

For asset management applications, this combination of technology is unprecedented. Project engineers are often faced with integration of three or more, separate devices for monitoring, automation and communications. The cost and scheduling implications can be prohibitive. With the T-BOX Wireless Monitor, Semaphore has eliminated those issues by extending a cost effective solution to numerous applications in both traditional and non-traditional markets.

If you would like further information on any item in this newsletter please contact our AsOc operations attention Mr. David Trench davidt@cse-semaphore.com

Or visit our web site;

www.cse-semaphore.com