TASC SYSTEMS INC.

siteVIEW Enterprise providing critical alarming and notification

TASC Systems' siteVIEW Enterprise provides critical alarming and notification for the entire radio communications network of Charlotte County, which includes 6-tower sites Motorola SmartNet II network, Emergency Operations Center, Sherriff's Department, County Jail and the Punta Gorda Police Department. The communication network for these organizations is critical to daily operations and public safety, thus ensuring that key emergency radio equipment is operational 24 hours a day and 7 days a week.

"Having 24/7 visibility without being at the operations center all the time, and getting alarm notification via text messages or emails allows visibility when a problem is first detected", says Doug Blevins, Radio Manager at Charlotte County Fire.

TASC Systems proposed a critical remote site monitoring solution to replace an obsolete Motorola MOSCAD alarm system, by looking at the requirements and taking note that the monitoring system must provide alarms for the environment and infrastructure, as well as monitoring of an 800 MHz radio frequency (RF) transmitter. Other noticeable requirements are for the site monitoring solution to have multi-user support, and the ability to sent alarm details by email or text messages. The monitoring software must be also be configurable, with views dependent on the user. The system must support backhaul options such as landline dial-up, cellular, Ethernet, serial (RS-232) and two-way radio.

siteVIEW Enterprise software provides environmental, infrastructure alarming and monitoring of the RF transmitter. An antenna line monitor (ALM) allows alarming for VSWR of the transmitter antenna.

The total monitoring solution for Charlotte Country includes a connection to propane sensors, that are used to determine when the generator tank needs to be refilled. An AC voltage sensor is used to monitor utility power. Temperature sensors are used to check the status of air conditioners. Humidity and smoke sensors are used to monitor enclosure environment. A door closure sensor provides instant notification that somebody has entered the enclosure. TASC Systems' siteRSM with Ethernet connection is used to monitor these sensors and provide the information over fiber or microwave to the operations center, where a PC is running siteVIEW Enterprise. Push-to-talk (PTT) is monitored using a direct connection to each repeater. Channel banks, multiplexers, GPS devices, UPS devices, tower top amplifiers, generators, air conditioning and controllers are all monitored by direct digital connections to the siteRSM. Notifications are configured in siteVIEW Enterprise, to send out text messages when a problem is first detected.

Doug Blevins is pleased with siteVIEW Enterprise as a 24/7 total solution because as a Radio Communications Manager, he receives text messages on his smartphone whenever a problem occurs, and then uses his smartphone to further investigate the issue immediately. The generator at each site is exercised automatically each week, and a change in generator status can be viewed on siteVIEW Enterprise Client. If there is an intruder inside any of the enclosures, the monitoring system will alert the operation center during normal working hours or the Radio Communications Manager during off work hours, via email or text messages. Police can be alerted to investigate such intrusion. A fiber line was accidentally cut, and a communication alarm was received for that tower site.

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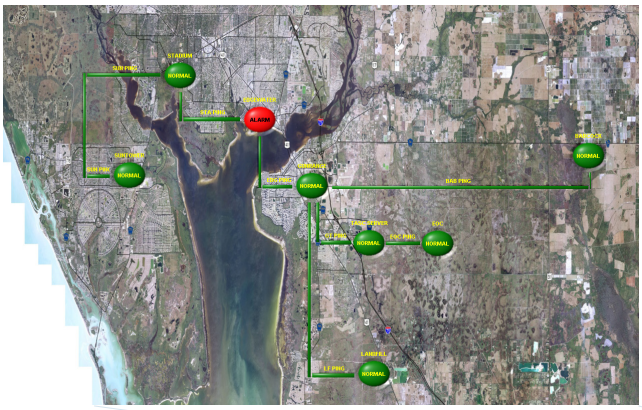

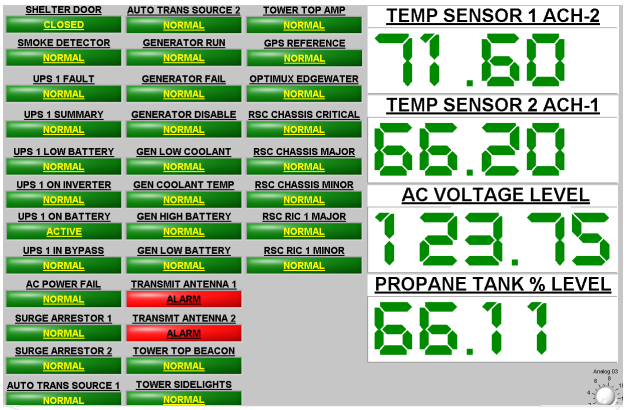

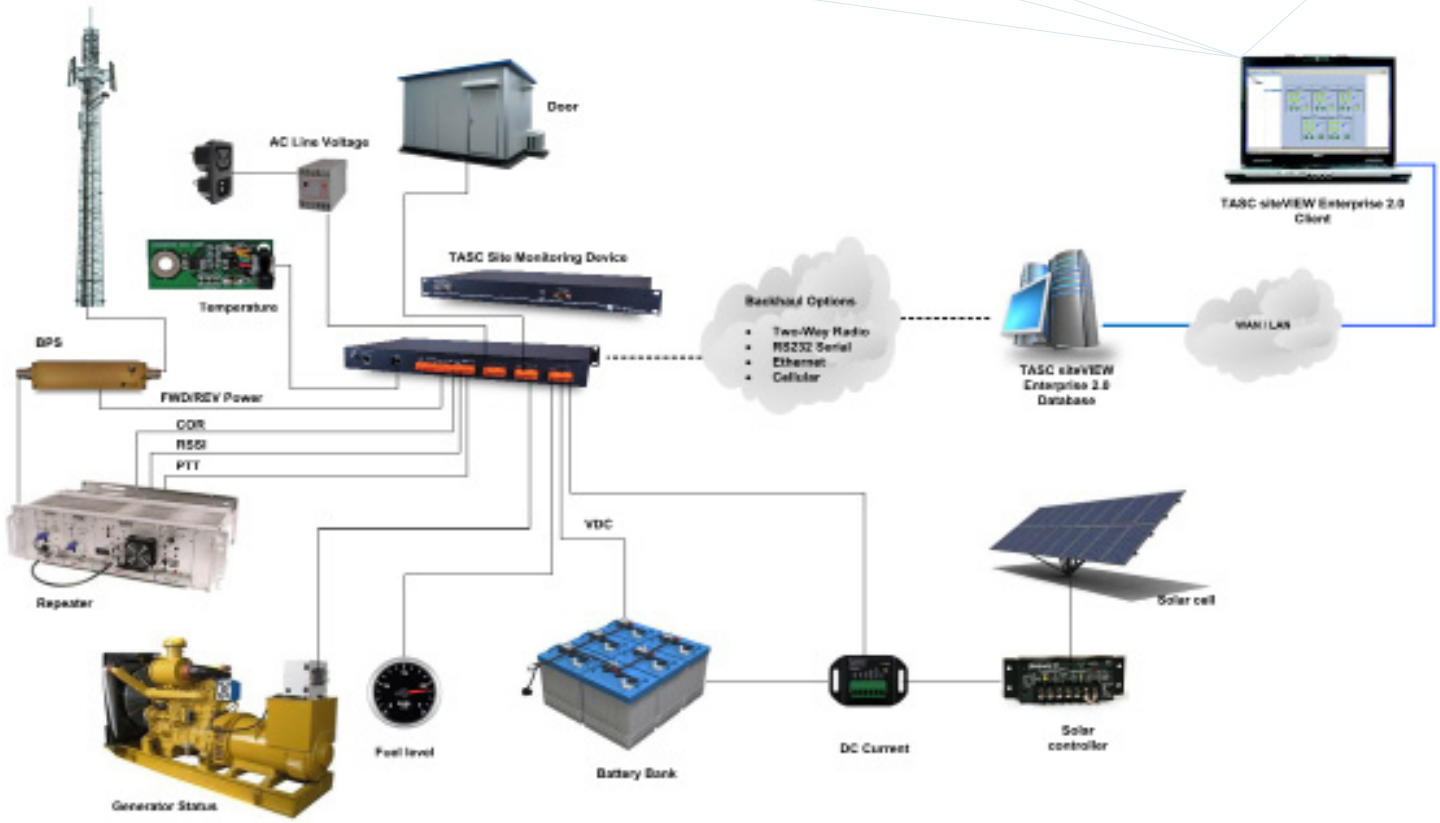

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