



Technology Re-invented. | CWSI Future-Ready

CWSI IS PROUD TO SPONSOR THE AFAA WEBINAR THIS MONTH!

FEBRUARY 24, 2012 - 1:30PM

REGISTER HERE!

Please join us to learn more about wireless fire alarm technology. We are inviting local AHJ's, specifying engineers, architects, users and even members of your staff to take advantage of this informative presentation. The webinar is free of charge and will provide great insight into commercial wireless fire alarm technology. Click above to register or forward to a colleague.

We will also be sponsoring the SFPE Webinar in July of this year; messaging to the consulting and specifying engineers. Date and details for the SFPE Webinar will be released over the next few weeks.

CWSI Field Application

International Airport Integration



Tom Kempkes of Stratagem Security was approached by an aviation authority to assist in providing an alternative solution for the installation of a fire alarm system at a remote fueling station. The installation was at a major international airport with the remote vehicle refueling station located airside of the

terminal, approximately ¼ mile from the main terminal communications room. The authority required that the fueling station be equipped with a fire alarm system and that 2 POTS lines be provided for communication back to the main terminal. A conventional suppression system was installed at the fueling station with heat detectors over the pumps and manual discharge stations. An attached storage facility was also equipped with smoke detectors and manual pull stations. In lieu of conventional POTS lines for communication back to the terminal CWSI Fire Transmitters were installed on the contact outputs of the conventional system providing alarm, supervisory, ac power loss and system trouble reporting back to the main terminal.

As an active runway operated between the fueling station and the main terminal buildings; strategic, redundant repeater locations were established. This signal integrity assured that if a wide body jet were to pass, signaling would be accepted and retransmitted from various locations for annunciation at the main control panel.

Associations

AFAA
NAFED
Fire Professionals
The Center for Campus Fire Safety

New Products

- › CP-3000D Control Panel with Point ID Dialer
- › CWSite Networking Software

Listings & Approvals

- › CP-3000D Control Panel - UL Listed
- › CP-3000D Control Panel - CSFM Listed
- › Complete Product Line submitted to Factory Mutual – **anticipating February 2012 approval!**

EVENTS

March 5 & 6

Campus Fire Safety & Risk Management*
Columbus, OH

*Booth Sponsored by PDS Systems

March 7 - 9

NAFED
Las Vegas, NV

March 19 & 20

Commercial Construction & Renovation Show
Atlanta, GA

May 4th

Arkansas Fire Marshal's Association
Texarkana Arkansas

May 9 - 11

The alternative of installing the POTS lines would have required trenching from the airside refueling station to the main terminal through an active runway casing rerouting of flight paths and an estimated expense of 1 million dollars. The CWSI solution provide a system that was installed in two days saving the authority countless dollars and logistical problems associated with underground trenching. It is also important to point out the reliability and coexistence of the CWSI RF Protocol with that of airport RF operations. Two additional refueling stations are scheduled for completion within the next four months with the CWSI solution.

CWSI Field Application

Polymer Plant Integration



Terry Schnizer of Tech Plan worked to replace an antiquated system in a Polymers Plant. This Polymers Plant supplies synthetic rubber, thermoplastic elastomers and impact modifiers to rubber, plastics, adhesive and asphalt markets around the world.

Numerous challenges presented themselves in this retrofit. First was the harsh and corrosive environment, coupled with intrinsically safe areas, and having to maintain dual system operation during the cross over. The plant covers 168 acres and the scope of protection included monitoring of deluge system, wet & dry systems, fire pumps, storage areas for hazardous materials, end products storage and all process areas and plant evacuation signaling. Future expansion will include addition of smoke detectors in electrical and MCC rooms. Another feature was the implementation of the CWSite software which provides dual functions. All devices report to an ancillary pc based system which provides pinpoint display and operator instructions, as well as provides automated notification for plant evacuation; creating a total automation detection and evacuation system.

The intrinsically safe challenge was overcome by remoting transmitters from the classified areas. Conventional explosion proof devices were installed, wired to fire transmitters and remoted out of the areas. To overcome the corrosive environment, transmitters and repeaters were installed in environmental enclosures. The other major advantage that the CWSI product offered was the ability to install the new system while maintaining operations of the old system concurrently. No inoperative system operation was allowed during the installation and crossover. The nucleus of the system, the repeater network was installed first along with the front end equipment consisting of the control panel and CWSite Graphics network software. With the repeater network operational, the progression of the installation was simple, decommission the existing devices and add the CWSI devices in their place.

It was estimated that a conventional system installation would have taken approximately 6 months. The CWSI System required 4 weeks to install and the economic impact was considerable. The CWSI system was 1/20th of the cost to retrofit this application over a conventional system.

For additional questions or inquiries please contact
CWSI Corporate

NAFED
New Orleans, LA

May 22nd
Condo Association &
Apartment Expo**
Seaport World Trade Center
Boston, MA

**Booth Sponsored by
Monahan and Associates
Worcester, MA

Announcements

Lunch & Lean Nashville, TN
February 29, 2012
8:00am – 10:00am
Sponsored by Fire Sprinkler,
LLC

[Click here for details](#)

SFPE Webinar
July 2012

[See website for details](#)

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