Webinar: Take Control of Your ERRCS! Enhanced Monitoring and Control Options

Presented by:

We Live in a Connected and Monitored World

- In the world of Internet of Things (IoT), every device can potentially be connected and monitored for performance

- Building mechanical systems, cameras and even coffee pots can be managed and controlled remotely

- Why would we want to think about this for Emergency Responder Radio Communications Systems (ERRCS)?

What is the problem?

- Potentially hundreds of buildings in major metros all with DAS systems

- Any one of them can cripple a public safety radios system with interference

- How do you quickly figure out which one is behaving badly? And then what do you do about it?

- If building owner, how do you ensure you are not negatively impacting public safety system?

The Safer Buildings Coalition has assembled the No Noise Task Force to specifically address this issue

What Do Codes Require?

- NFPA 1221 and IFC 510 do address monitoring of the system, but only locally within a building
- Some jurisdictions have begun to adopt codes to require additional levels of monitoring, but there is not a consistent standard
- Monitoring requirements need to evolve with the increased number of ERRCS deployments and the increased interference issues
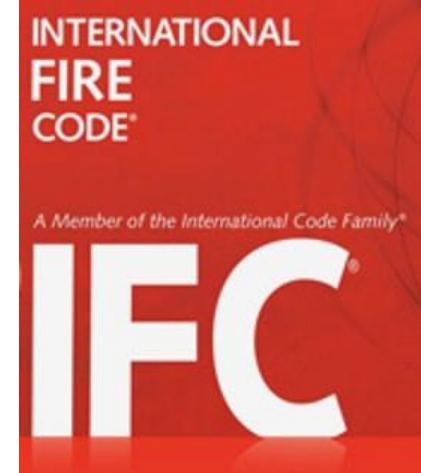
How can we do better?

IFC/NFPA mandates monitoring a DAS within a building, but don't you want to know if the DAS is malfunctioning without going into the building?
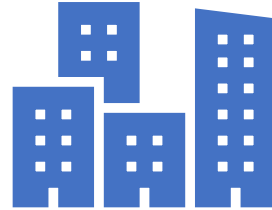
What if building owners and AHJs could rapidly see all the buildings within their responsibility, know their status, and be able to remotely control them?
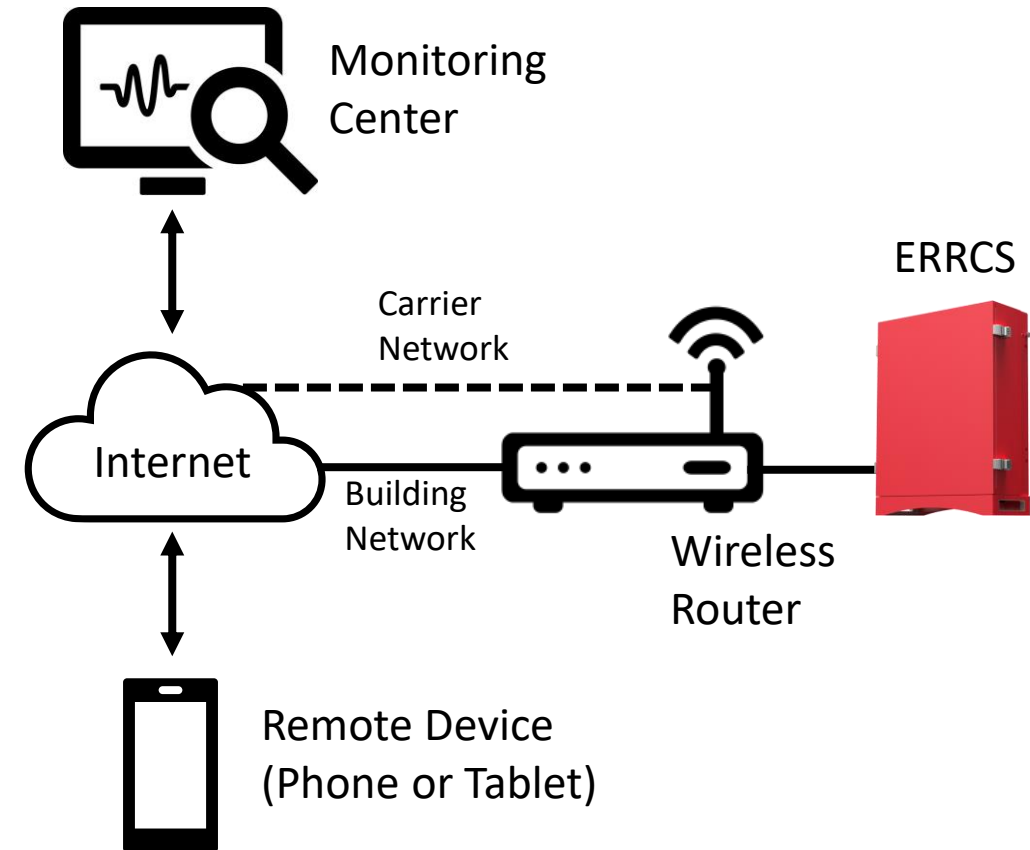
Remote monitoring & control allows you to at-a-glance know the status of your DAS systems and shut down use upon first sign of malfunctioning. Identify potential problems before they occur.
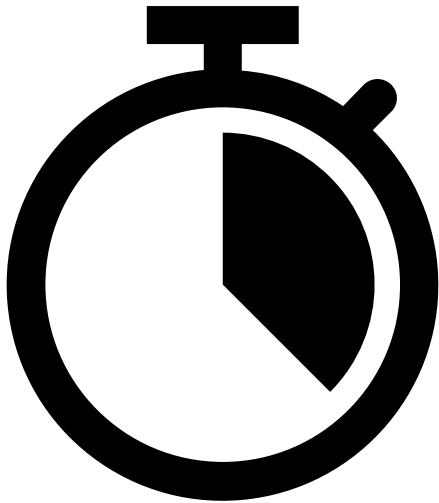
Our Goal is to "Do No Harm"

Remote Monitoring and Control

- Building owners can utilize their existing network or a wireless carrier network to connect to multiple buildings to allow for monitoring

- Monitoring is via a cloud-based solution with no impact on local IT resources

- Dashboards can be tailored for users to see all locations they have responsibility for

- Utilizing SNMP management gives greater detail of the status of the system and allows remote control such as updates and shut down when needed

Monitoring Center

ERRCS

Carrier Network

Internet

Building Network

Wireless Router

Remote Device (Phone or Tablet)

Quickly Addressing Problems

- **Remote Control and Shutdown:** Allows you to identify when a system is experiencing problems and remotely shut it down if needed

- **Rapid Detection and Resolution:** Problems can be detected and resolved in minutes as opposed to hours or days

- **Remote Triage:** Allows technicians to know what the issues are before they arrive onsite

- **Main/Backup Power Failure:** Instantly know when main or backup power is offline

Preventative Maintenance

- Fire code mandates annual maintenance checks for DAS, but…
    - No knowledge of system status in advance
    - System may require maintenance sooner than scheduled
- Remote Monitoring allows more proactive maintenance of a system, including software/firmware updates and early warning of issues before system failure
- Allows techs to be better prepared for the annual PM check for greater efficiency

Visibility to Multiple Locations at Once

Remote monitoring systems allow managers of multiple buildings or AHJs to quickly see every buildings they have responsibility for at-a-glance

Dashboards can be filtered so that AHJs see all buildings in their jurisdiction while building owners see only their buildings

Provides the ability to develop reports for how each system is performing

Consolidated Dashboards

- Ability to analyze, report, and act on alarms and attributes of ERRCS

- Charts and tabular info on key performance indicators

- AI enabled for anomaly detection and issue handling

Takeaways

A Single DAS system can potentially cripple a public safety system with interference

Rapidly identifying systems that are malfunctioning and resolving the problems is critical

Remote Monitoring and Control options allow you to have greater awareness and visibility of DAS systems' health

Maintenance can be proactive to keep systems healthy and avoid problems before they ever occur

Maintenance is more efficient by using remote updates and preparing technicians with system status in advance
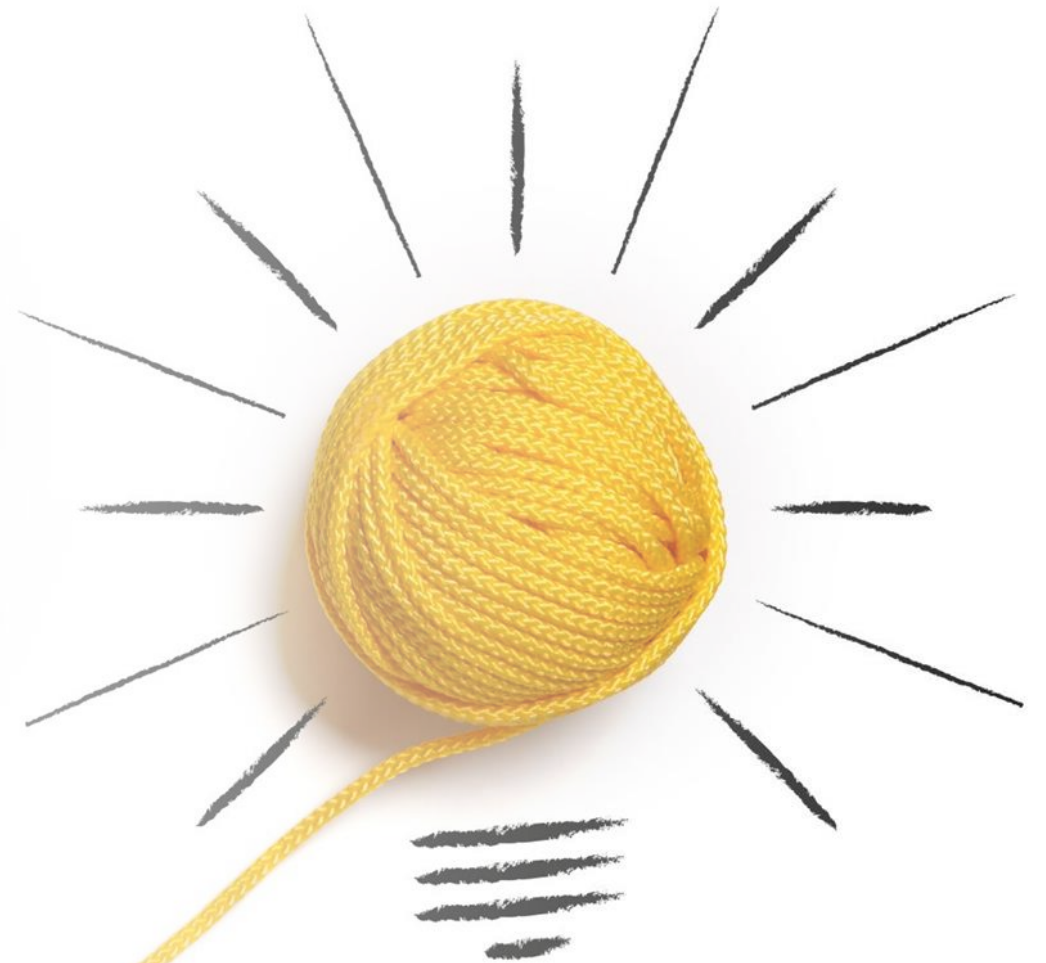
Solutions Empowering Those That Save Lives

- Complete design and integration services for ERRCS

- 24x7x365 monitoring and maintenance solutions integrating all ERRCS OEMs

- Advanced analytics and reporting to enhance efficiency and operations
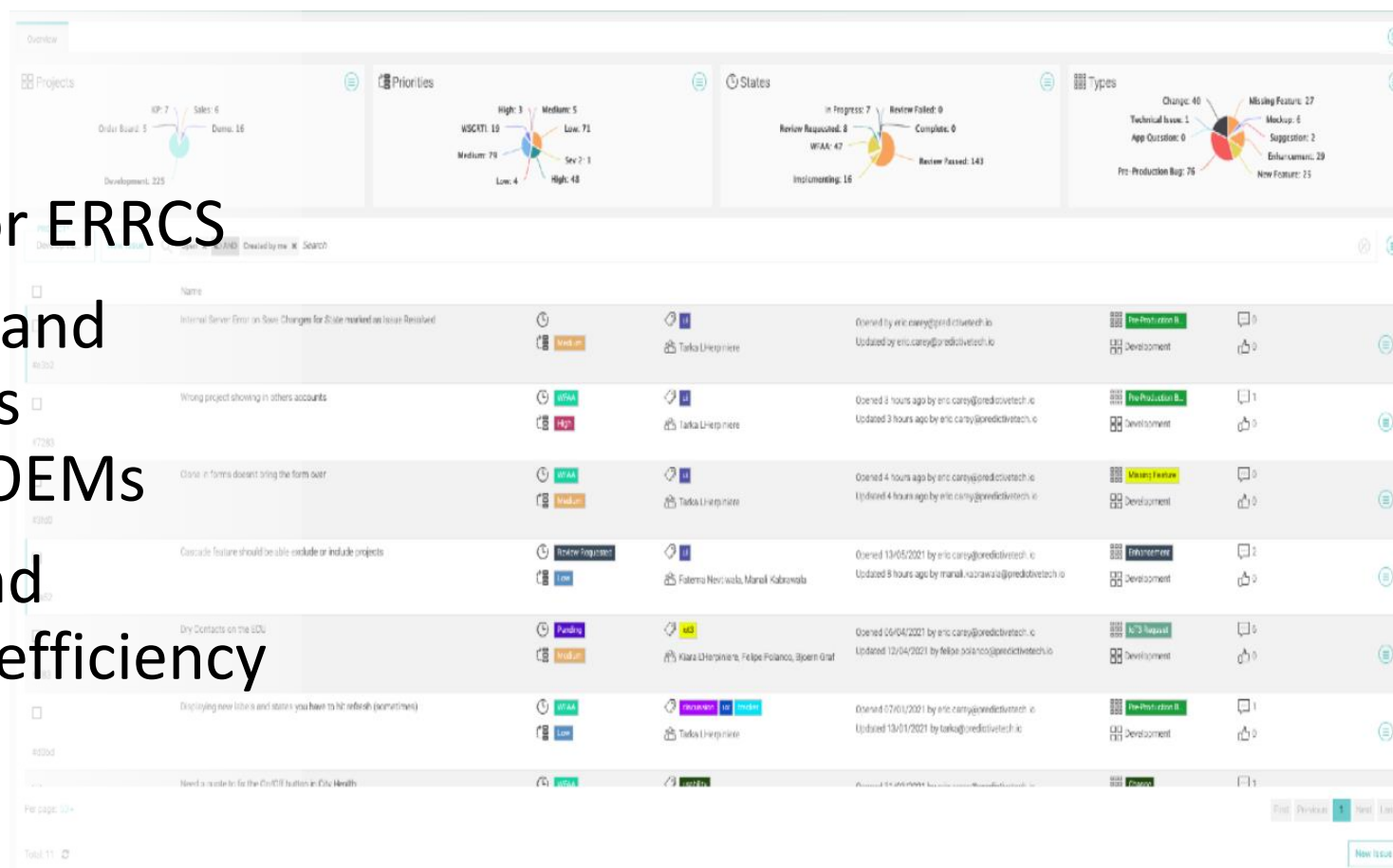
Thank You!

For more information on monitoring options and ERRCS designs, visit us at https://www.commdex.com; email us at das@commdex.com

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