CASE STUDY

Banner Health - Maxxess eFusion Protects Locations Containing Radioactive Material

Banner Health is one of the largest nonprofit hospital systems in the country operating 28 acute-care hospitals and other related health entities and services in seven states. Maxxess eFusion has been implemented to provide heightened levels of safety and security at Banner facilities that use and/or store radioactive isotopes or medications.

Challenge

A US government mandate, under the Radiological Security Partnership (RSP), the security improvements program developed by the National Nuclear Security Administration (NNSA), requires heightened levels of safety and security wherever hospitals and other civilian facilities use and/or store radioactive sources.

The RSP provided specific guidelines for the level of monitoring and response needed for each site based on the material source to be protected. In order to institute these recommendations in a timely and cost-effective manner, Banner Health chose to expand the integrated features available to them within the Maxxess eFusion security management software. The eFusion solution would allow them to configure and implement a comprehensive solution for these areas, without incurring new design build, or software development costs.
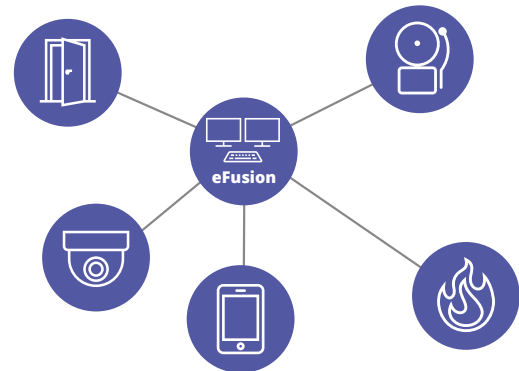
Priorities included:

◉ **Meet all criteria to enhance security in identified areas at five Banner facilities in two states.**

◉ **Institute the RSP recommendations for securing areas housing radioactive sources. Requirements included increased access management and monitoring of specific use and storage of nuclear materials.**

◉ **Integrate access control, with video surveillance, alarm management and heightened operator response.**

◉ **Use existing equipment and infrastructure where possible.**

The eFusion Solution

Maxxess eFusion software has more than 50 fully integrated third-party manufacturer's products already incorporated, a key feature that provided for the seamless integration of Banner's existing access control stations with new fingerprint readers, a video management system, automation to link events with access control and the expanded monitoring of alarm events through selected third-party alarm panels, to meet or exceed the enhanced security requirements in designated at risk areas. The integrations provide for immediate alarm notifications under certain circumstances and simultaneous video view that allows security personnel to verify, assess and respond appropriately to potential or real threats.

Benefits

- Compliance with all RSP recommendations to meet requirements.

- Unified management of access control, video and alarm, for a solution that provides for: Detection of any access breach that triggers an immediate alarm and simultaneous camera view enabling the security team to verify and respond appropriately to the situation.

- No external software development was required to complete these security enhancements. The Banner sites utilized different third-party products and they incorporated the integrations needed to complete all five areas by linking the required manufacturer's libraries available in their existing eFusion solution.

- Unlimited scope to upgrade and scale as needs change.

"Banner Health was already using the Maxxess eFusion system and had significant infrastructure in place for access control and monitoring of specific areas network wide. We evaluated our options and chose to expand on the functionality of our existing platform and internal response protocol to easily meet the RSP requirements. We did not need special development or complicated integrations, it was all supported within our group and the Maxxess solution."

JACOB RAYMOND
DIRECTOR, SECURITY SUPPORT SERVICES

Banner Health uses Maxxess eFusion to manage its comprehensive security solutions at Banner Health properties in seven states. This includes access control on more than 4,700 openings serving 90,000 cardholders, video integration as needed and 130 eFusion workstations. The eFusion software, hardware and business partner integrations continue to provide the necessary features Banner needs as they continue to expand their network and daily operational changes.