

FieldServer Case Study – Shands Hospital AeroScout Temperature Monitoring

Rev. 1.B



Shands Hospital at the University of Florida in Gainesville is a highly rated teaching hospital that includes the Shands Cancer Hospital and the Shands Hospital for Children. As part of the safety system in any hospital, it is necessary for Shands to effectively monitor a series of temperature and humidity sensors throughout the hospital. For example, sensors can be used to monitor the temperature in a refrigerator containing valuable, life-saving pharmaceuticals. Regulations require that temperature information is kept and maintained to make sure the pharmaceuticals are stored properly.

Shands Hospital utilizes a Johnson Controls management system

with BACnet/IP as its backbone. Most of the legacy temperature and humidity sensors were hardwired and many were old and prone to failure. Shands has an existing Cisco Unified Wireless Network and management wanted to utilize Wi-Fi-based sensors to substantially reduce the installation costs. Some solutions required the use of a different wireless network, but Shands discovered that AeroScout sensors interfacing to the AeroScout MobileView could be used on the existing Wi-Fi network.

Shands Hospital came to MSA Safety to help integrate MobileView into the Johnson Controls network. Utilizing the FieldServer XML driver, FieldServer support was able to easily interface the MobileView to the BACnet/IP network.



"FieldServer [Support] was instrumental in allowing us to choose the best temperature and humidity solution for our needs, yet still integrated the new system into our existing Johnson Controls network, without compromising on quality or face the significant costs that we could have incurred if we had to change the network," said Brad Kowal, Director of Data Centers at Shands Hospital.



This flexibility and ease of use resulted in the decision by Shands to expand the AeroScout solution to monitor additional mobile refrigeration units used to deliver drugs to patient rooms.