

Regional Medical Center Operates on InfraStruXure®



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*Howard Stewart
RIS/PACS Administrator
Southern Ohio Medical Center
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"SOMC offers general medical, emergency, surgical, cardiac, and OB/Gynecological services to the population of Southern Ohio and Eastern Kentucky. We have a full service 232 bed regional medical center with multiple satellite clinics and urgent care centers and employ over 2100 full and part time personnel, and 140 physicians and specialists.

Downtime decreases both effectiveness and efficiency

"Being a regional medical center, uptime is vital for the functioning of medical imaging services as they are critical for emergency and surgical processes. Maintaining reliable access to images and result data is not easy, as users expect their access to this data to be both reliable and transparent. Our data center has to operate on demand and without fail for 100% of the time. There is also a constant influx of new technology into the existing infrastructure, along with all the associated integration and training issues that we have to deal with.

"Our healthcare center is located in a rural area of southern Ohio where power outages are a frequent occurrence. In addition to the weekly testing of our emergency power generator, we expect to experience several additional power issues every month. Long unscheduled downtime can both decrease efficiency and open the system to a greater number of errors. Both situations are unacceptable in a modern hospital, as healthcare has to continue regardless of the availability of computerized systems. We utilize computerized systems extensively not only to increase efficiency but to reduce the impact of errors that might affect patient care. During periods of prolonged downtime, when we are without these systems we need increased staffing to physically transport data between locations, print and catalog physical records, and audit both the medical and financial sides of the business.

Required: An integrated solution for consolidated data center

"Over the last decade we have more than doubled our power and cooling requirements. Monitoring and maintaining this jumble of cooling and battery backup units, (scattered across several floors and data "closets") had become a nightmare. We weighed the necessity of maintaining the services of our critical systems with the increased service costs and increasing unreliability of our systems. When taken into consideration with the planned system growth it was

obvious that we needed a new data center with reliable, redundant power and cooling solutions.

Unique hot aisle containment solution- the clinching factor

“APC’s InfraStruXure® was a logical consideration since we could not find a comparable solution that offered a fully integrated solution with power, cooling and remote monitoring. The unique hot aisle containment solution with in-row air conditioning for more efficient cooling compelled us to choose APC. During the planning and installation phases of this project APC Global Services provided us with valuable turn-key services.

“InfraStruXure protects a variety of servers and configurations as well as storage solutions from EMC. Applications such as a fully integrated picture archive and communications system, radiology information system, and speech recognition dictation system are also protected by InfraStruXure.

“Consolidating the equipment in one location with reliable power, cooling, and remote monitoring capability saves time and increases reliability and efficiency, resulting in savings and value additions. We believe we will see improved reliability and service life of the existing systems, and the scalability offered by InfraStruXure fits in perfectly with our growth plans.”