EXTERIOR SOLUTIONS
Locally available materials such as ashphalt, concrete and stone from the demolition of an existing parking lot. A very large amount of copper piping and other miscellaneous metals from equipment were separated on site for recycling by the Owner. Exterior space near the entrances creates calming respite in the form of outdoor seating for staff and a healing garden for patients and families near the main entry. We also carefully selected materials that would not release toxic chemicals and utilized non-PVC piping.

QUALITY OF AIR, QUALITY OF LIFE
We worked hard in both phases to maximize the amount of natural light available to occupied spaces as well as to create outdoor areas of respite in the form of outdoores lunch tables for staff and a healing garden for patients and families near the main entry. We also carefully selected materials that would not release toxic chemicals and utilized non-PVC piping.

EFFICIENCY, PERFORMANCE, RELIABILITY
Salen Central Plant project is an energy performance model offering direct cost benefits to Salem Community Hospital. This new facility is approximately 30 percent larger than the existing facility, but has lower first cost operating and maintenance costs will decrease as a result of incorporating the following design strategies (which also contribute to obtaining LEED™ points): utility metering, chilled water optimization, free cooling, economizer cycles, and energy efficient lighting.

PLANNING STRATEGIES
The Surgery and Central Supply expansion is located to avoid creating roadblocks for upcoming projects. We provided overhead light for both departments, shelf space to accommodate growth, large circulation separating staff, public, and patient traffic, and maintained adaptability/adjustability. Adjacent inpatient and ambulatory areas are each other’s overflow space and feature pathways to facilitate pre- and post-operative patients. Large integrated operating rooms incorporate a standardized glassless equipment inventory to accommodate various anesthesiologist and surgeon needs. The GEM optimizes materials receiving, processing, and distribution.

OPTIMIZE PERFORMANCE AND CAPACITY
We have assisted Salem Community Hospital in constructing the most intelligent and smart building we can have today. Incorporating flexibility into the design, the new utilities infrastructure positions the hospital for future expansion projects and all current and critical systems needs. It allows for purchase and easy load-in of chillers, boilers, UPS modules, and engine generators as necessary to handle current loads, increasing hospital demands, and potential emergencies.

CONSERVATION AND PERESEVATION
A sustainable waste management plan was developed and the contractors have put forth every effort to recycle materials such as asphalt, concrete and soils from the demolition of an existing parking lot. A very large amount of copper piping and other miscellaneous metals from equipment were separated on site for recycling by the Owner. A very large amount of copper piping and other miscellaneous metals from equipment were separated on site for recycling by the Owner.

A sustainable waste management plan was developed and the contractors have put forth every effort to recycle materials such as asphalt, concrete and soils from the demolition of an existing parking lot. A very large amount of copper piping and other miscellaneous metals from equipment were separated on site for recycling by the Owner. A very large amount of copper piping and other miscellaneous metals from equipment were separated on site for recycling by the Owner.

SITE PLAN
Exterior space near entrances creates calming respite in the form of outdoors lunch tables for staff and a healing garden for patients and families near the main entry. We also carefully selected materials that would not release toxic chemicals and utilized non-PVC piping.

Site Design: Knight and Stolar
Commissioning agent: Facility Management Concepts, LLC

An integrated engineering and sustainable design approach at the highest level: a mission critical design deploying innovative technology for uninterrupted power and energy needs that go above and beyond standard healthcare requirements.

Hospital additions often compromise functionality and efficiencies by focusing on short-term needs instead of overall facility implications. Our work at Salem Community Hospital will be presented as a reevaluation of this growth model. Servied partly by a central plant that blocked future development, and partly by rooftop units serving recent additions beyond the plant capacity, the hospital needed to reassess. In a two-phase undertaking, our team worked with SCH to implement intelligent, sustainable future expansion through both a LEED Silver project and a Green Guide for Healthcare pilot project.

Sustainable healthcare projects involve more than selection of materials and systems. They require an integrated team that sees past the particular project at hand and examines the implications on the facility over time. This model of project management results in smart facilities that seamlessly change and grow.