

A photograph of two surgeons in an operating room, wearing blue scrubs, masks, and caps, looking at a large medical monitor. The room is brightly lit with overhead surgical lights and various medical equipment is visible in the background.

CRITICAL CLIMATE CONTROL BY DESIGN. DELIVERED.

SUCCESSFUL HEALTHCARE OUTCOMES TAKE TEAMWORK

The surgical suite and the ICU depend on multiple medical specialists working in synchronicity.

Precise control of the operating environment takes a team as well. The **SMARTSUITE® modular control system by SLD Technology** is designed for hospital operating rooms and other spaces which depend on precise pressurization, temperature, and pathogen control, brings together just such a team.

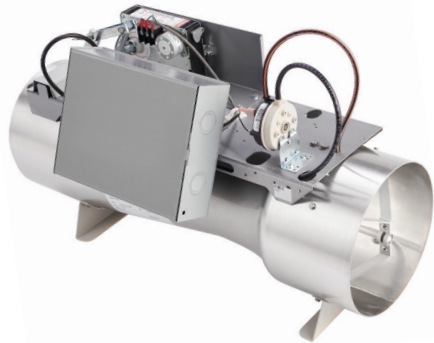
THE SYSTEM BEHIND BETTER OUTCOMES

SMARTSUITE® is a self-contained modular system that brings airflow, filtration and pressurization control together with associated specialized surgical support like lighting and real-time monitoring of critical air quality and infection factors. It can be customized to any surgical space, and is assembled in a separate controlled environment so it can be installed quickly on site.

The SLD Technology Airframe® provides the structural integrity for the system. It's also the manifold for air exchange, filtration, and pressurization, and integration point for HVAC, lighting, electrical, and surgical equipment mounts.

AIR PRESSURE MANAGEMENT. THE KEY TO INFECTION CONTROL

At the heart of pressurization control is the **Phoenix Controls venturi valve**, designed for critical spaces requiring precise tolerances in pressure setpoints. And it does this with minimal moving parts thanks to a unique spring-controlled restrictor allowing it to constantly react to static pressure changes in the ductwork. The virtually maintenance-free Phoenix Controls venturi valve is designed to reduce hospital associated and surgical site infections while reducing energy consumption.



SEEING IS BELIEVING. MONITOR PERFORMANCE IN REAL TIME

To ensure the medical team's complete situational awareness, the AirFrame controlled by Phoenix Controls includes the Vision CE analytics dashboard which can display analysis of EQI trends and key environmental metrics including air exchange rates, temperature, humidity, pressure, occupancy, PM count, energy efficiency, and equipment status. Environmental parameters, alarms, scheduling and reporting can be customized for the Surgeon or procedure. The software solution includes Beacon infection control monitoring from OnSite LLC to ensure the safest possible procedural environment.



THE MODULARITY DOESN'T STOP THERE

The SLD Technology Airframe® also accommodates other essential equipment such as anesthesia columns, equipment booms, imaging rails and lead shield tracks.

Contact a Phoenix Controls representative to learn how the SLD Technology SMARTSUITE can be customized and installed for your application

<https://buildings.honeywell.com/us/en/lp/integrated-infection-control-management>