

Helping patients heal. Helping hospitals prosper.



- Track critical OR conditions, such as room pressurization, air exchange rate, humidity level and temperature for HIPAA compliant environmental patient records and risk mitigation
- Optimize the safety, comfort and efficiency of the surgical suite environment
- Meet AIA, ASHRAE and local authority standards for air change rates
- Increase energy efficiency by integrating the building automation system with surgical scheduling
- Earn credits towards Leadership in Energy and Environmental Design (LEED®) certification

Reducing risk. Saving energy. Improving care.

Every hospital, every clinician, every patient has a unique set of needs.

But in pursuit of reduced costs and better clinical outcomes, every healthcare organization shares the common goal of optimizing efficiencies and mitigating risk at all levels.

Consider your operating rooms. Right now, your HVAC systems are using a substantial amount of energy providing 24/7 air exchanges – even when an OR is vacant. Why waste energy and valuable dollars? And in the event of a complaint, can you prove the environmental conditions in your ORs?

Johnson Controls Healthcare Environment Optimization™ (HEO) takes efficiency in the healthcare sector to a new level – integrating a hospital's building automation system with surgery scheduling to optimize air exchange rates and energy use – with projected annual savings of up to \$10,000 in each operating room.

HEALTHCARE ENVIRONMENT OPTIMIZATION

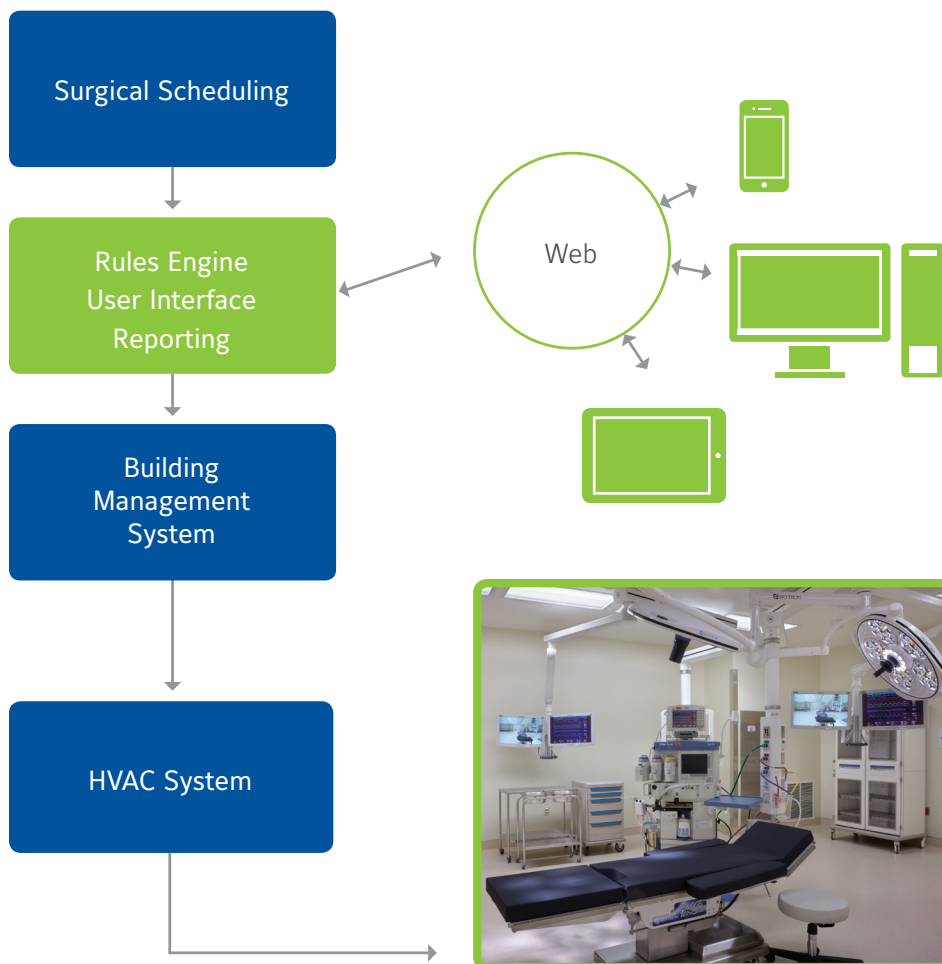
Here's how it works

Healthcare Environment Optimization translates and routes data from surgery scheduling to the building automation system and determines which of the two HVAC system modes should be used: surgery or standby.

When the system is in surgery mode, the HVAC system achieves a minimum number of air changes every hour to meet regulatory standards. In standby mode, air exchanges are lowered while differential pressures are maintained. With Healthcare Environment Optimization, the HVAC system operates at a reduced rate at the appropriate time, saving energy and reducing operating costs.

Greater visibility and control

Healthcare Environment Optimization also tracks air exchange rates and OR temperatures for recordkeeping purposes. The user interface display gives staff better visibility and control of the room conditions, including a manual override to adjust temperature and real-time alarms so you can immediately address HVAC system problems.



Healthcare Environment Optimization from Johnson Controls can help support your clinical and business objectives, creating a smarter, more productive environment. For details on a solution that's right for your hospital, contact your Johnson Controls representative.

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