



HEALTHY AUTOMATION

Benefits

- *HVAC systems are fully integrated and automated*
- *Products from diverse manufacturers work seamlessly together*
- *Alarm notifications help ensure patient safety*
- *Facility managers can remotely access systems any time, anywhere*

Hospital Uses Control Network to Meet Stringent Operating Room Requirements

Ibbenbüren Hospital, in Ibbenbüren, Germany, is an acute-care hospital serving the Steinfurt region in North Rhine-Westphalia, Germany. When the hospital wanted to improve the environmental controls for its operating rooms and intensive care unit (ICU), the administrators worked with integrators HGI Heger Gebäudeautomation Ingenieurgesellschaft mbH and ABB Gebäudetechnik AG to implement a control networking system from Echelon Corp built on LonWorks® technology.

LonWorks-based devices and sensors monitor and control room temperature, air pressure, and humidity to the stringent requirements necessary for patient health. Alarms, provided by the Echelon

SmartServer, help ensure that conditions in Ibbenbüren Hospital's operating rooms and ICU are safe and optimal for patients.

Challenge

- Upgrade the HVAC systems in operating rooms and intensive care unit
- Use an open system that would integrate legacy and future systems without complex gateways

Solution

- A new HVAC system, with devices integrating Echelon's LonWorks-compliant ICs, integrates multi-vendor products and legacy systems
- LonWorks-based devices and sensors monitor and control room temperature, air pressure, and humidity to stringent requirements
- Echelon's SmartServer provides alarms on conditions in the operating rooms and ICU