

# UNION GENERAL HOSPITAL

BLAIRSVILLE, GA, USA

HEALTH CARE

## BREATHING EASY

Originally opened in 1959 as a small outpatient clinic, Union General Hospital has evolved into a 160,000 square-foot health care facility. Located in northern Georgia, the facility recently completed a \$34-million, 80,000 square foot expansion and renovation of existing structures.

## PROJECT DETAILS

The Reliable Controls® MACH-System installed during the renovation and expansion is comprised of approximately 270 digital controllers networked across three subnetworks, a main network, and the hospital's ethernet network. All HVAC systems are monitored and controlled, including an 800-ton chilled water plant, boiler plant, fuel oil system (modbus monitoring), central air handlers, rooftop units, operating rooms, isolation rooms, air filtration systems, and all individual zones.

Hospital personnel have access to the system whether onsite or offsite. RC-WebView™ 2.0 provides system access from anywhere in the world with Internet access via a Web browser. When onsite, wireless communications eliminate the need for cables and allow total geographical freedom with a laptop computer. When an off-normal condition occurs, hospital personnel are notified via text messages to their cell phones. Long-term Trend Logs are saved to the server through RC-Archive™ 2.0 software. In addition to saving energy and manpower, Maintenance Supervisor, John Anderson, is using the system in innovative ways such as monitoring medical gases and interfacing to the Hugs System, a newborn protection program.

To learn more about projects using Reliable Controls®, visit [www.reliablecontrols.com/projects/overview](http://www.reliablecontrols.com/projects/overview).



### PROJECT TYPE:

**Retrofit & New Construction**

### INSTALLATION TYPE:

**Boiler, Chiller, HVAC, VAV**

### TOTAL AREA:

**14,864 m<sup>2</sup> (160,000 ft<sup>2</sup>)**

### EQUIPMENT INSTALLED:

**1 ETHER-Link™  
1 MODBUS-Link™  
2 MACH1™  
3 MACH-Global™  
8 MACH-Zone™  
12 MACH2™  
243 MACH-Air™**

### NETWORK:

**EIA-485, Ethernet, LAN**

### INTEGRATION:

**Modbus**

### TOTAL SYSTEM POINTS:

**1,800 points**

### RELIABLE CONTROLS® DEALER:

**Applied Building Controls**

