

MIDAMERICA ST. LOUIS AIRPORT

BELLEVUE, IL, USA

TRANSPORTATION

THE WILD BLUE YONDER

Located in southern Illinois, 25 miles east of St. Louis, Missouri, the MidAmerica St. Louis Airport initially opened in 1997 and operates as a regional aviation hub, servicing both passenger and cargo needs.

PROJECT DETAILS

The mechanical system installed at the MidAmerica St. Louis Airport consists of seven Air Handling Units (AHUs), one chiller, four pulse boilers, one Make-up Air Unit (MAU) with a desiccant heat wheel, heat pipes, chilled water coil, and gas heat. Automation Solutions Group's retrofit of the facility was conducted between 2003 and 2005, and over the course of three phases, controllers associated with the MAU, chiller, boilers, and AHUs were replaced. The last phase of the retrofit featured the integration of a new AHU.

Prior to the retrofit, the system installed at the MidAmerica St. Louis Airport ran 24/7, running up operating costs and causing unnecessary wear and tear on the equipment. With a Reliable Controls[®] MACH-System installed at the facility, the building equipment currently runs only when required. As another benefit of installing the system, Automation Solutions Group was able to provide the client with an intuitive graphical user interface that allowed the building operators to see for the first time exactly how their MAU was designed to work. Using the facility's existing Local Area Network, building operators now benefit from real-time data acquisition, near-instantaneous feedback on performance, and the ability to conduct rapid diagnostics.

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



PROJECT TYPE:

Retrofit

INSTALLATION TYPE:

Chiller, Boiler, HVAC

TOTAL AREA:

4,925 m² (53,000 ft²)

EQUIPMENT INSTALLED:

1 ETHER-Link™

1 MACH2™

10 MACH1™

NETWORK:

Ethernet, EIA-485

TOTAL SYSTEM POINTS:

150 points

RELIABLE CONTROLS[®] DEALER:

Automation Solutions Group

www.reliablecontrols.com