

FAIR SHARE NORTHGATE II

CAMDEN, NJ, USA

RESIDENTIAL

BUILDING MANAGEMENT

Fair Share Northgate II is an affordable housing, high rise apartment building with an evolving project plan to improve comfort and indoor air quality, bringing the building into the 21st century. Utility costs were initially benchmarked and it was determined that gas and electric spending was higher than it should have been.

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:

**CO₂ Monitoring
Heatpump
HVAC
Power Monitoring
Energy Recovery Units**

TOTAL AREA:

220,000 m²

EQUIPMENT INSTALLED:

**1 MACH-ProCom™
2 MACH-Stat™
9 MACH-ProZone™**

NETWORK:

EIA-485

INTEGRATION:

BACnet

TOTAL SYSTEM POINTS:

200 points

RELIABLE CONTROLS[®] DEALER:

Phillips-McDade

