

WEBSTER DETENTION CENTER

AUGUSTA, GA, USA

CORRECTIONS

THE BIG HOUSE

The Charles B. Webster Detention Center was completed in 1997 to increase the temporary housing capacity of the Augusta Sheriff's Office. A 12,815 m² (137,940 ft²) expansion project was completed in late 2011 which increased the inmate capacity with the goal of moving all detention, booking, and jail administration operations to the site.

PROJECT DETAILS

The 2011 expansion project required the construction of two new housing units, complete with medical/mental health facilities and video visitation center. An additional retrofit of the existing chiller plant replaced one fully-loaded Siemens Building Technologies MBC and one DPU controller with the Reliable Controls[®] MACH-System. As a central component of the 2011 expansion project, all Building Automation Systems at the facility are quarterbacked by Reliable Controls[®] MACH-ProSys™ controllers, utilizing MS/TP and Fiber communications. The upgrade, installed by SouthEast Automated Systems saw the installation of a comprehensive smoke control system for each housing pod and main corridors connected to a central fireman's override panel. The smoke control systems and fireman's override panel were pre-built by SouthEast Automated to include floor plans and LED functional overrides with command/control using a MACH-Global™ controller. The overall installation benefited system users by achieving a low controller count, access to the Internet for command control, and a simple and easily commissioned solution for a complex smoke-control sequence.

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



PROJECT TYPE:

Retrofit and New Construction

INSTALLATION TYPE:

Boiler, Chiller, Fan Coil Unit, HVAC, Smoke

TOTAL AREA:

24,000 m² (258,340 ft²)

EQUIPMENT INSTALLED:

**1 MACH-ProWebSys™
2 MACH-Global™
7 MACH-ProSys™
8 MACH-Global™ Expansion Card
10 MACH-ProCom™
10 MACH2™ Smoke + Expansion
26 MACH2™ + Expansion**

NETWORK:

EIA-485, Ethernet, Fibreoptic

INTEGRATION:

BACnet®

TOTAL SYSTEM POINTS:

463 points

ENGINEERING CONSULTANTS:

Johnson, Laschober and Associates

RELIABLE CONTROLS[®] DEALER:

SouthEast Automated Systems

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