

UNIVERSITY OF HOUSTON

HOUSTON, TX, USA

EDUCATION

RESEARCH AND DEVELOPMENT

Founded in 1927, the University of Houston is a leading public research university in Houston, Texas. Each year, UH educates more than 38,500 students in more than 300 undergraduate and graduate academic programs, on campus and online.

PROJECT DETAILS

At the University of Houston, Reliable Controls® Authorized Dealer, Controls Unlimited, participated in a pilot project to update five existing emergency generators for optimized load shed, allowing UH to systematically start generators until they reach the desired amount of load and shed as required by notice from their energy provider. The project was necessitated by the requirement to shorten the response time from 30 minutes to five minutes. To complete the project, MACH-Pro series controllers were integrated with the existing facility BAS to provide the flexibility of BACnet®.

Secondary deliverables for the project included monitors for the fuel, oil, battery, and to run regularly scheduled tests. Bringing BACnet® to the project allowed Controls Unlimited to use the existing Reliable Controls® campus-wide BACnet network and to move to a BACnet Schedule, giving the technicians the ability to remotely track generator health. This brings the total number of buildings with a retrofit BACnet system and BBMDs to 31 buildings.

With a load shedding plan in place, UH qualifies for a load curtailment program that offers incentives to commercial and industrial customers for curtailing a load when notified to do so, most commonly in the summer months.

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



PROJECT TYPE:

Retrofit

INSTALLATION TYPE:

Generators

EQUIPMENT INSTALLED:

1 MACH-ProWebSys™

4 MACH-ProSys™

NETWORK:

LAN, WAN

INTEGRATION:

BACnet, Modbus

TOTAL SYSTEM POINTS:

60 points

RELIABLE CONTROLS® DEALER:

Controls Unlimited

www.reliablecontrols.com