

# WELLESLEY SCHOOL

BRISTOL, ENGLAND

EDUCATION

## OVERVIEW

The Wellesley is a small community primary and juniors school with approximately 210 children on roll and occupying an extensive site on the edge of a large housing estate located in the south of Yate in Bristol, England. The school has four houses in which children are assigned to: Rowan, Oak, Hawthorn, and Maple. The school values positivity, respect, honesty, responsibility, courage, and kindness.

## PROJECT DETAILS

Reliable Controls® Authorized Dealer ControlCo Ltd. successfully accomplished this retrofit project for the Wellesley School with the assistance of the South Gloucestershire Council acting as an engineering consultant.

Networked hardware consisted of a MACH-ProWebSys™ web-enabled controller connected to eight MACH-ProZone™ controllers via MS/TP. Controlled mechanical equipment included a main boiler plant, a ground source heat pump (geothermal), a compact and fully automatic gas-fired hot water generator, pumps, an air handling unit (AHU), along with gas, water, heat, and electrical meters.

The original project was completely upgraded by integrating the existing infrastructure and network wiring with the installed MACH-System™. The facility was in use whilst the upgrade was in progress but the off-site programming and prefabrication coupled with school holidays reduced disruptions to a minimum.

The ability to control all of the underfloor zones more effectively equated to considerable energy and labour savings, helping to make the project a great success in the end due largely to the flexibility and capability of the comprehensive control range of the Reliable Controls products.

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



### PROJECT TYPE:

Retrofit

### INSTALLATION TYPE:

Boiler, Chiller, Heatpump, HVAC, Power, Underfloor Heating, Domestic Hot Water

### TOTAL AREA:

2,100 m<sup>2</sup> (22,604.21 ft<sup>2</sup>)

### EQUIPMENT INSTALLED:

1 MACH-ProWebSys™  
 1 MACH-ProPoint™  
 1 MACH-ProView™  
 8 MACH-ProZone™  
 RC-WebView®

### NETWORK:

EIA-485, Ethernet

### PROTOCOL:

BACnet®

### POINTS:

130

### RELIABLE CONTROLS® DEALER:

ControlCo Ltd.

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