

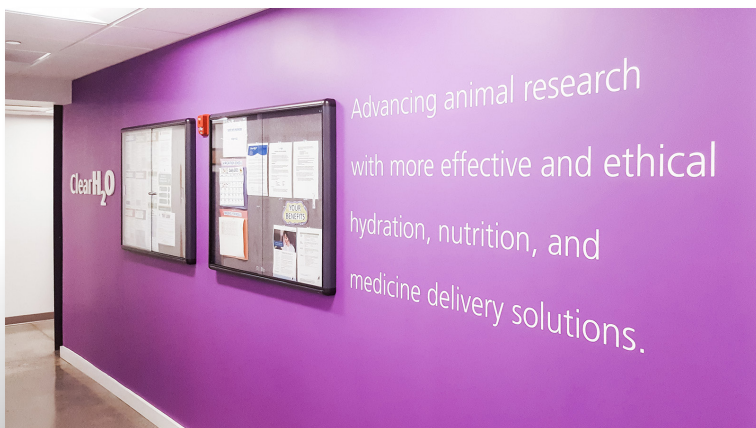
CLEARH₂O

WESTBROOK, MAINE, UNITED STATES

INTRODUCTION

ClearH₂O manufactures gel products for medical researchers, agriculture producers, and aquatic species. The company's ready-to-use gels reduce time and labor for medical researchers who manage laboratory animals, with no need to sterilize cups, manage bottles, or administer injections. ClearH₂O formulations ensure consistent nutrition and hydration supplementation, leading to more reliable research options. Its products also enable the commercial poultry industry to efficiently support the health of day-old chicks and poults, improving livability and overall performance.

All ClearH₂O products are manufactured in a state-of-the-art facility under stringent quality standards that meet food-grade cGMP requirements as defined and inspected by the FDA. The facility meets HACCP guidelines and is certified to meet the rigorous Safe Quality Food program standards recognized by the Global Food Safety Initiative. Located in Westbrook, Maine, ClearH₂O has partnerships across North America, Europe, Asia, and Australia.



PROJECT TYPE
New construction

MARKET SEGMENT
Manufacturing

INSTALLATION TYPE
HVAC

TOTAL AREA
2,828 m² (30,445 ft²)

PROTOCOL
BACnet

INSTALLED EQUIPMENT
1 MACH-Pro2™ controller
12 MACH-ProAir™ controllers
1 MACH-ProView™ LCD controller
1 MACH-ProWebSys™ controller
2 MACH-ProZone™ controllers

INTEGRATED EQUIPMENT
Trane, Mitsubishi, CaptiveAire

TOTAL SYSTEM OBJECTS
411

RELIABLE CONTROLS
AUTHORIZED DEALER



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PROJECT DETAILS

Authorized Dealer [W.H. Demmons](#) installed a Reliable Controls building automation system during construction of a new ClearH₂O manufacturing plant. A MACH-ProWebSys controller provides a web-based interactive platform that allows facility managers to access and control the new control system easily and efficiently over the internet. No larger than a typical controller, the MACH-ProWebSys combines a BACnet Building Controller, BACnet Operator Workstation, and powerful web server in a single package that reduces capital expenditures for ClearH₂O by eliminating the need for workstation client software, license renewals, and fees for cloud services. Every MACH-ProWebSys can control hundreds of sensors and actuators using standard protocol networks.

For controlling large rooftop and midsize mechanical room equipment, W.H. Demmons installed a MACH-Pro2, a rugged, flexible, fully programmable BACnet Building Controller designed to be an expandable workhorse. Two MACH-ProZone controllers, ideal for small to midsize rooftop and heat-pump applications, provide highly scalable universal inputs and outputs in a very small footprint. Today building managers use the high-resolution graphical interfaces on a MACH-ProView LCD controller to access, control, and monitor comfort and energy use in the facility at a glance, and 12 MACH-ProAir controllers provide VAV control with airflow sensors and onboard damper motors.

The flexibility of the Reliable Controls system allowed W.H. Demmons to seamlessly integrate third-party rooftop units, a variable refrigerant flow heat pump, and air hoods with exhaust fans. “Travis King and Keith Eubank were instrumental during the installation, programming, and commissioning phases of the project,” said Dan Kosalski, controls manager at W.H. Demmons. Reliable Controls products are an excellent choice for a highly regulated environment like ClearH₂O’s manufacturing plant. Interested to learn why? Contact a [Reliable Controls Authorized Dealer](#) near you today.

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