CERTIFIED QUALITY

RCC champions quality control with ISO certification

MULTIPLE BTL

MACH-ProWeb nets multiple BTL listings and BACnet Revision 9

RUNtime

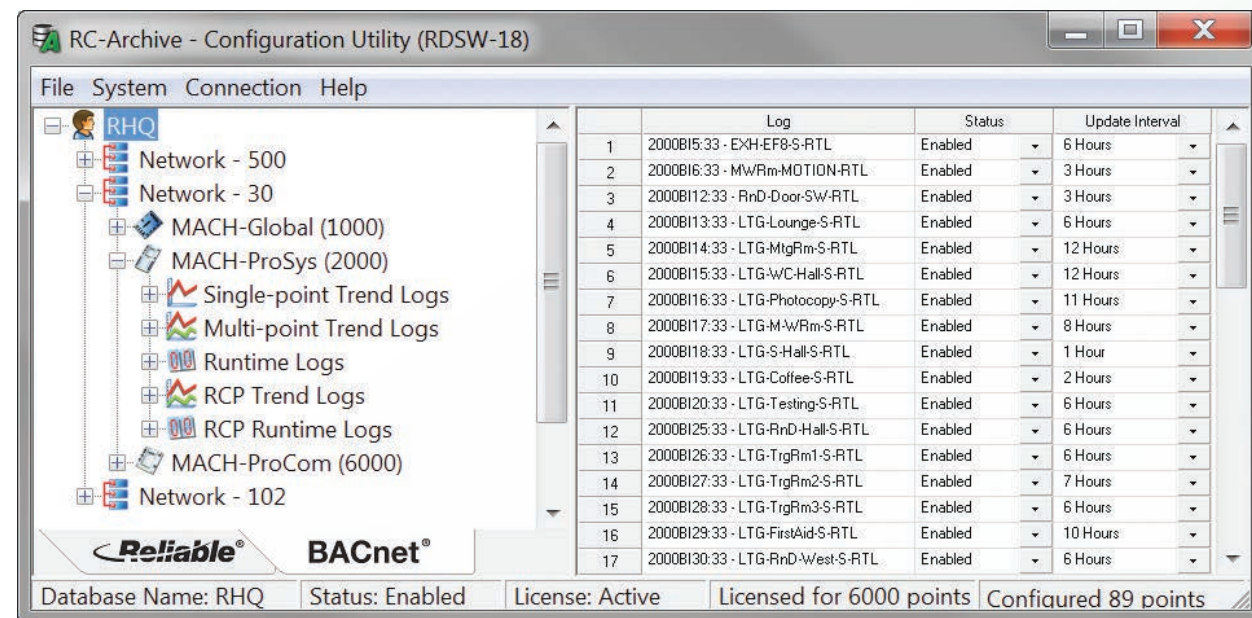The Official Quarterly Newsletter of Reliable Controls Corporation

Q1 - 2012

RC-Archive

New version 3 and the BACnet connection

RCArchive™
Data Acquisition Software

Better by design®

Reliable controls

ISO 9001 QUALITY ASSURANCE

CE

BTL · BACnet · TESTING LABORATORY

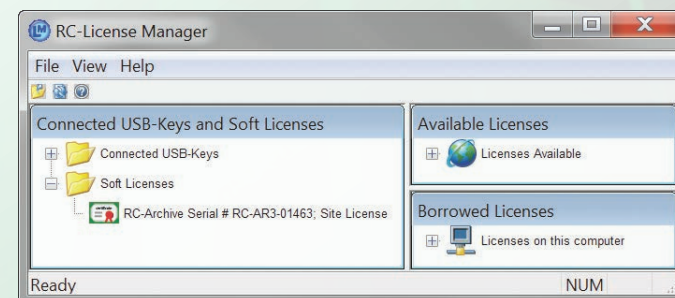Reliable controls®

RC-Archive: Data Acquisition Software

More than a year in development, the soon to be released version 3 of RC-Archive contains many new and exciting features to enable seamless data acquisition. The new version of RC-Archive adds archiving support for the following new objects: BACnet Single-point and Multipoint Trend Logs, and BACnet and Reliable Controls Protocol Runtime Logs. In fact, BACnet is now a fully supported connection method, allowing discovery and data collection from any Reliable or third-party BACnet project using an IP network.

RC-Archive™ Configuration Utility

Optional Soft-Authorization

For those who operate facilities that cannot accommodate the standard USB-Key (RC-Key) required to license RC-Archive, a new soft license option may be purchased to authorize RC-Archive without a USB software key.
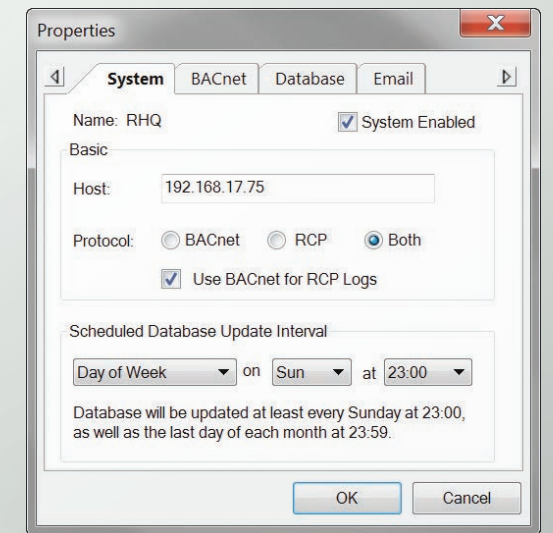

RC-License Manager™

Scheduled Database Update Interval

The new scheduled database update interval allows end-users to specify one of three new database synchronization scenarios for the entire system:

- Once every 1, 2, 6 or 12 hours,
- Once every 24 hours at a user-specified hour, or
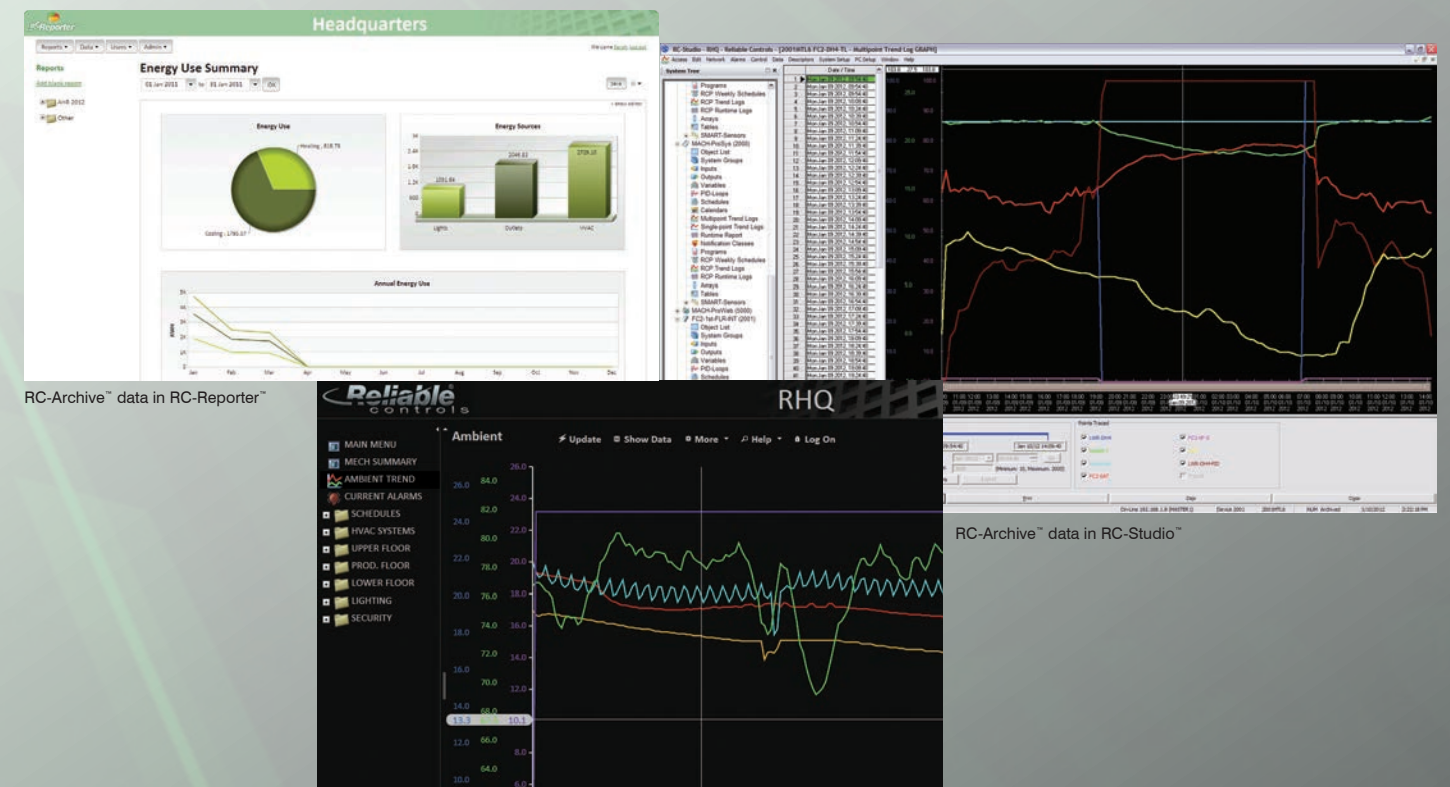- At a user-specified day of the week, at a user-specified hour.

Separate from scheduled database updates, RC-Archive™ updates as often as is required to preserve data.

Scheduled Database Update Interval in RC-Archive™ System Properties

Enhanced Data-Acquisition of New Objects/Points

BACnet Trend Log archiving for both Multipoint and Single-point objects, and Runtime Log archiving, for both BACnet and Reliable Controls Protocol will allow archived data to be visually displayed in reports generated in the new RC-Reporter Energy Tracking and Analysis Software, the MACH-ProWeb user interface, and RC-Studio.
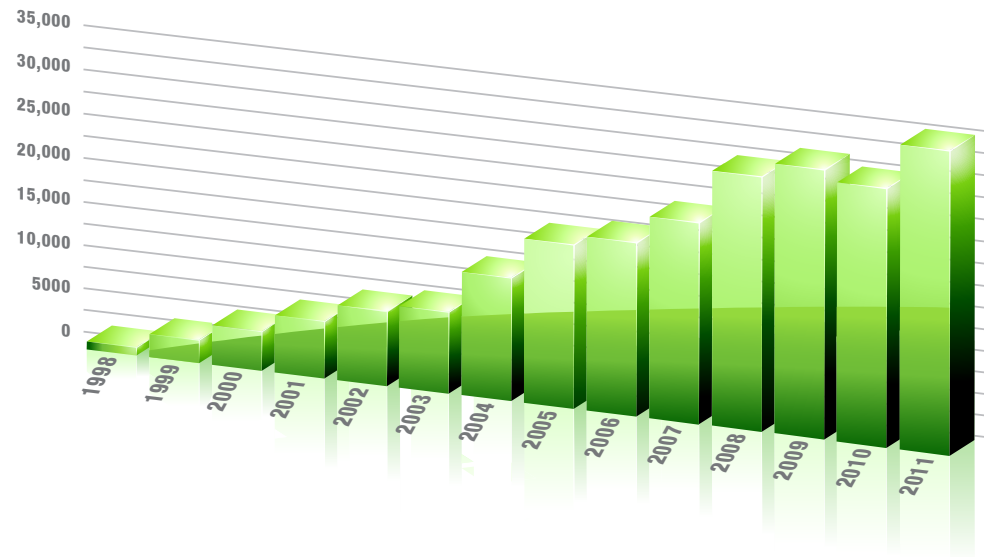

RC-Archive™ data in RC-Reporter™

RC-Archive™ data in RC-Studio™

RC-Archive™ data in MACH-ProWeb™ User Interface

2011: A Year in Review

2011 was a very busy year for Reliable Controls® with the official release of the MACH-ProWeb™ series, the SSE/A wireless Enocean series, and touch-screen products, as well as the launch of new Dealer Certification and Sales Training programs, and the opening of a new sales office Xi'an, China. Unit sales of programmable, microprocessor-based controllers reached just under 35,000 pieces, a respectable 18% ahead of 2010, resulting in a record breaking year for overall revenues. The company experienced excellent double-digit growth in the Midwestern and Eastern regions of the US, as well as in Australia and China. The Eastern Canadian and Western US regions experienced strong stable growth. Twenty-one new dealers joined the Reliable Controls® Authorized Dealer network in 2011, closing the year at 182 active Authorized Dealers across 28 countries. Year-over-year employment at Reliable Controls® grew by 11% for a total compliment of 99 full-time staff.

To our customers, we thank you all for making 2011 another record year of growth and look forward to seeing many of you in Chicago at AHR-Expo 2012, where we will be unveiling the new MACH-ProZone™ series, and giving a sneak preview of RC-Reporter™, our new energy tracking and data analysis software.

ISO Certified

We are pleased to announce that after a year of implementation efforts, reviewing, updating, and documenting our quality processes throughout the company, Reliable Controls® was audited by the ISO Registrar QMI/SAI Global and has successfully achieved formal ISO 9001 certification.

It is our company objective to have the most satisfied dealers in our industry and this achievement demonstrates our commitment to having an effective, internationally recognized quality management system. This system ensures our quality standards are met and that we continually improve our processes and organization.

This achievement will further assist our Authorized Dealer network by permitting them to bid on projects that specify ISO Certification from hardware and software suppliers.
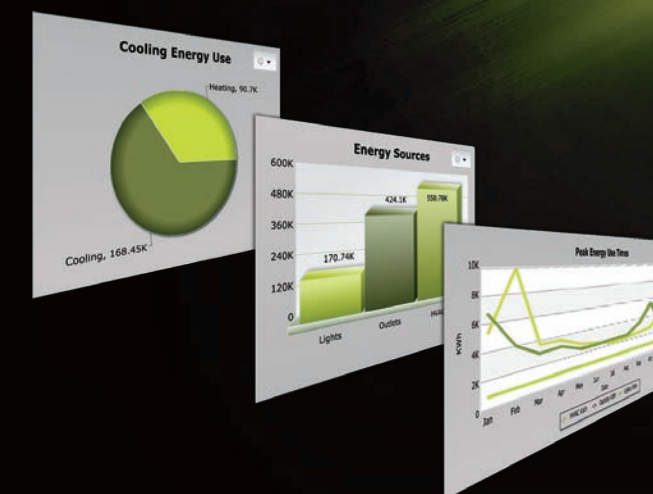
To view our certification materials, please visit...

http://www.reliablecontrols.com/corporate/quality/

ISO 9001 QUALITY ASSURANCE

Energy accountability

Make informed operating decisions resulting in peak building performance with RC-Reporter™ energy tracking and analysis software. This easy to use, fully customizable web-based software from Reliable Controls® allows you to create high quality reports from any BACnet® Internet-connected building.

Visit our website to learn more about RC-Reporter™ and the many other dependable building controls products from Reliable Controls.®

www.reliablecontrols.com/RCR

New Dealers

Electrotech Controls

12 Sheffield Pl
Onekawa
Napier, 4010
New Zealand

Maximum Data Infrastructure Technologies

2nd Floor TVJM Center
81 Maysilo Circle, corner San Francisco St
Mandaluyong City
Philippines

Shanxi Jin Ruan Zhi Sheng Technology Company

24F Zi Wei Long Deng Plaza, #1 Keji Rd
Gaoxin District
Xian, Shanxi
China

Southwest Energy Integrators

200 W Broadway St
Silver City, NM 88061
United States

TRADE SHOWS

Reliable Controls® will have a strong presence at the following trade shows.

AHR Expo ... January 23–25, 2012

McCormick Place North & South
Chicago, Illinois
Booth #3600

Green Cities ... March 4–7, 2012

Sydney Convention & Exhibition Centre
Sydney, NSW, Australia
Booth #8

CMX/CIPHEX ... March 22–24, 2012

Toronto Convention Centre
Toronto ON. Canada
Booth #1440-42

China Refrigeration ... April 11–13, 2012

New China International Exhibition Center
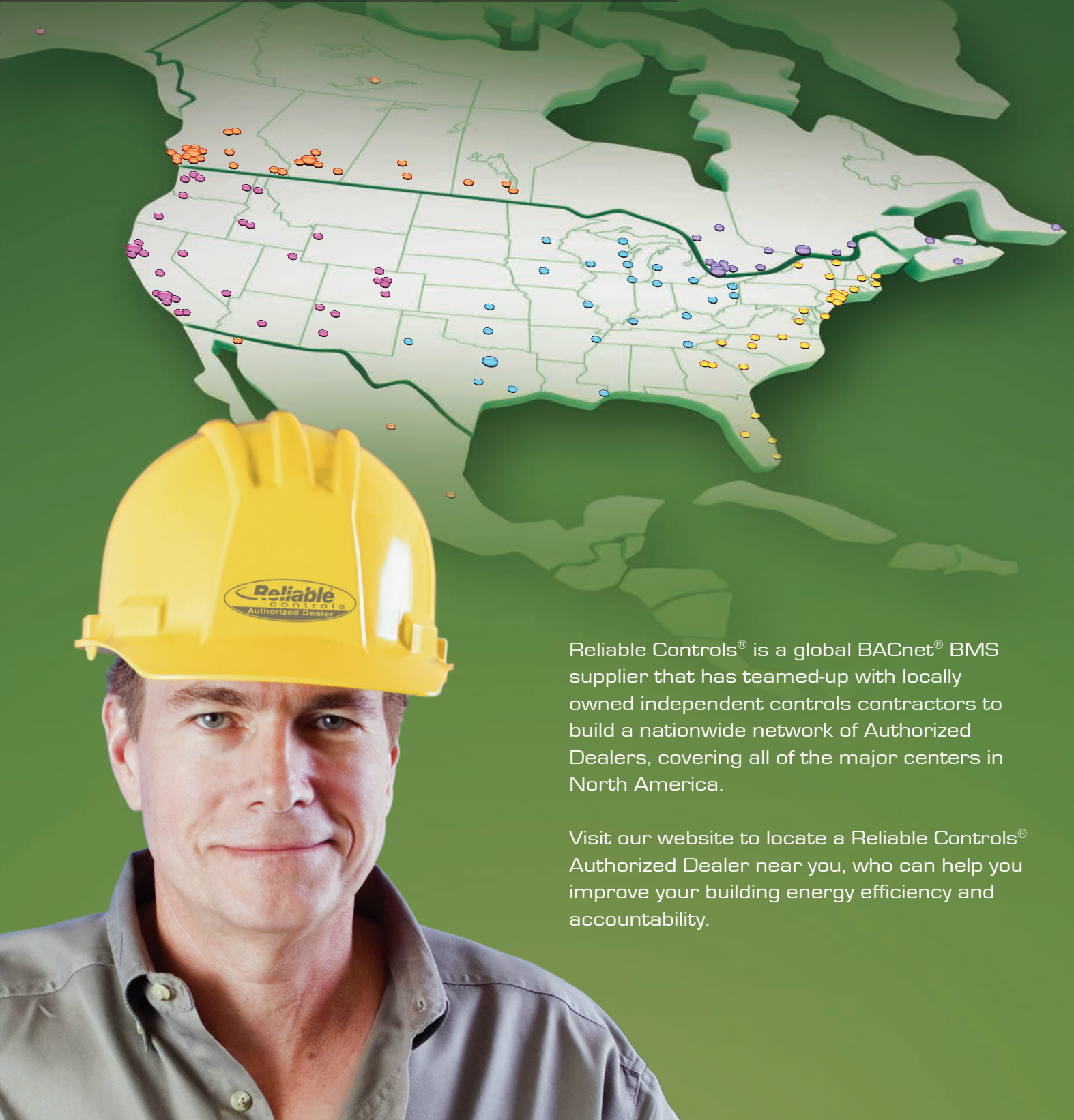88 Yuxiang Rd, Tianzhu Area, Shunyi District, Beijing , China
Booth #E4G61

ARBS ... May 5–7, 2012

Melbourne Convention & Exhibition Centre
Melbourne, VIC, Australia
Booth #326-327

nationwide network

Reliable Controls® is a global BACnet® BMS supplier that has teamed-up with locally owned independent controls contractors to build a nationwide network of Authorized Dealers, covering all of the major centers in North America.

Visit our website to locate a Reliable Controls® Authorized Dealer near you, who can help you improve your building energy efficiency and accountability.

www.reliablecontrols.com/sales

MOVEMBER

During the month of Movember the Reliable Controls® Stashe-Down team raised $7,250 towards Prostate Cancer research. Of note, Canada raised the most funds of any country worldwide with a contribution of $36.6 million!

Movember - a global movement

Since its humble beginnings in Melbourne Australia, Movember has grown to become a truly global movement inspiring more than 1.1 million Mo Bros and Mo Sistas in Australia, New Zealand, the US, Canada, the UK, Finland, the Netherlands, Spain, South Africa, and Ireland – all with a shared mandate to change established habits and attitudes men have about their health, to educate men about the health risks they face, getting them to act on that knowledge, and thereby increasing the chances of early detection, diagnosis, and effective treatment.

Reliable Mo-Bros left to right: Kent Gorrie, James Puritch, Keith Fowler, David Gates, Morgan McKenzie, Kyle Hendry, Jesse Moore, Richard Prevost, Jim Ward, Liam Dicks, Isaac Butt, JD Offutt, Ali Khashei, and Ian Barrett.
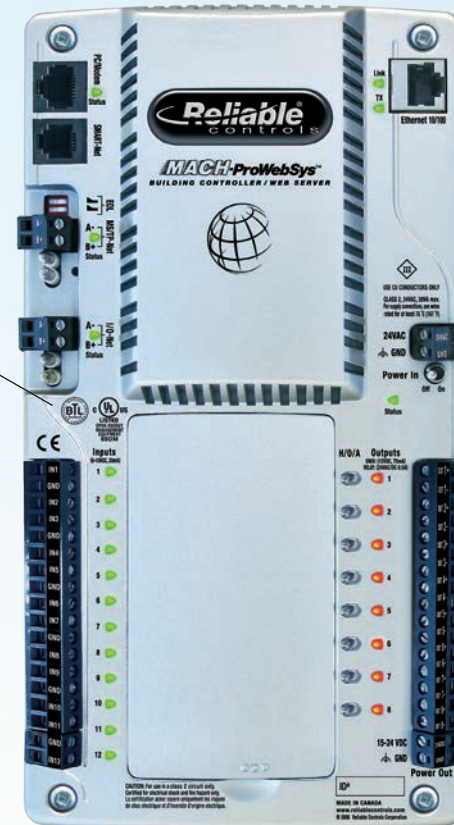
MACH-ProWeb™

MULTIPLE BTL LISTINGS

The new BTL listings for the MACH-ProWeb™ series are a notable achievement in recognizing the first BACnet® product to obtain both the BACnet Building Controller (B-BC) and BACnet Operator Workstation (B-OWS) listings for a single device that fits into the footprint of a typical building controller.

Moreover, the Reliable Controls® MACH-ProWeb™ series is the first BTL-listed product that has been tested to meet or exceed the latest BACnet® protocol revision – Revision 9.

MACH-ProWebCom™

BACnet Testing Laboratories was established by BACnet International to support compliance testing and interoperability testing activities and consists of the BTL Manager and the BTL Work Group, comprised of members of BACnet® International and BIG-EU whose goals are to promote and maintain the BACnet® and BTL® trademark.

MACH-ProWebSys™

For more product information, visit...

http://www.reliablecontrols.com/products/controllers/

[Reliable Controls BACnet Controllers are BTL listed]

About BTL Listed Products: The BACnet Testing Laboratory is an unbiased testing lab for building control products. The BACnet Testing Laboratories (BTL), which is part of BACnet International, offers a product testing and listing program for products that have BACnet capability. The BTL's authorized test laboratories will test the BACnet functionality of a product to a set of requirements developed by the BTL that are based on ASHRAE Standard 135.1P. Products that meet the BTL's requirements are eligible to receive a BTL listing.

To visit the MACH-ProWeb BTL product listing...

http://www.bacnetinternational.net/btl/

BTL Product Listings

Reliable Controls
www.reliablecontrols.com

Manufacturer's Product Catalog

BACnet Operator Workstation Software (B-OWS)

Product	Model	Version	BTL Listing
MACH-ProWebCom	MPWC	7.50	December 2011
MACH-ProWebSys	MPWS, MPWS-H	7.50	December 2011
RC-Studio® 2.0	RC-ST2	Update 1.50	June 2009

^ Top ^

BACnet Building Controller (B-BC)

Product	Model	Version	BTL Listing
MACH-ProCom	MPC	7.50	December 2011
MACH-ProSys	MPS, MPS-H	7.50	December 2011
MACH-ProWebCom	MPWC	7.50	December 2011
MACH-ProWebSys	MPWS, MPWS-H	7.50	December 2011

UNIVERSITY OF VICTORIA

VICTORIA, BC, CANADA

EDUCATION

FIRST PEOPLES HOUSE

The 1,161 square-metre (12,500 square-foot) First Peoples House on the University of Victoria campus houses the Office of Indigenous Affairs, aboriginal student counselling services, classroom space, a student lounge and elders' lounge, faculty offices, a kitchen, and a ceremonial hall styled after a Coast Salish long house. Unique features include rammed earth walls, cedar plank exterior cladding, and indigenous carvings and artwork.

PROJECT DETAILS

The scope of the Reliable Controls® MACH-System installation at the First Peoples House was two-fold: to control a unique LEED Gold facility; and to integrate the structure into the wider university network. Reliable Controls® Authorized Dealer, Houle Electric (Victoria), used the MACH-ProSys™ controller in a dual role to complete the project. In conjunction with MACH-ProPoint™ expansion modules, the MPS networks to MACH-Air™ controllers within the building, and operates as the main controller, connecting the control system to the greater campus network.

The building relies on a district energy heat exchanger with BTU meter for heating. In-floor radiant heating is used for an entry gallery. A central AHU system incorporates minimum outdoor air, VAV boxes, and heat recovery using an energy wheel. Trickle vents provide supplementary ventilation along the perimeter of the building. All cooling costs are minimized by the natural ventilation design.

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

PROJECT TYPE:
New Construction

INSTALLATION TYPE:
BTU Meter, CO$_2$ Monitoring, HVAC, Trickle Vent Natural Ventilation, VAV

TOTAL AREA:
1,161 m^2 (12,500 ft^2)

EQUIPMENT INSTALLED:
1 MACH-ProSys™
6 MACH-ProPoint™
10 MACH-Air™

NETWORK:
EIA-485, Ethernet, LAN

TOTAL SYSTEM POINTS:
157 points

ENGINEERING CONSULTANT:
GENIVAR

RELIABLE CONTROLS® DEALER:
Houle Electric – Victoria

www.reliablecontrols.com

LEED