



NEW RELIABLE CONTROLS
Authorized Dealers

NEW PROJECTS
in Australia and New Zealand



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RUNtime

The official quarterly magazine of Reliable Controls® Corporation

Q3-2022

In conversation with...

Todd McBride,
general manager at IES Group
in New Zealand



PRESIDENT'S MESSAGE

Transportation for sustainable buildings

According to the US Environmental Protection Agency (EPA), in 2020, the largest source of greenhouse gas (GHG) emissions from human activities in the US came from burning fossil fuels for electricity, heat, and transportation¹; transportation accounted for 27 percent of the country's GHG emissions, followed by electric power (25 percent), industry (24 percent), commercial and residential buildings (13 percent), and agriculture (11 percent).

As building owners, designers, and operators, we typically focus on the *direct* emissions associated with the embodied carbon in a building's design or generated during its construction and life cycle, doing our best to

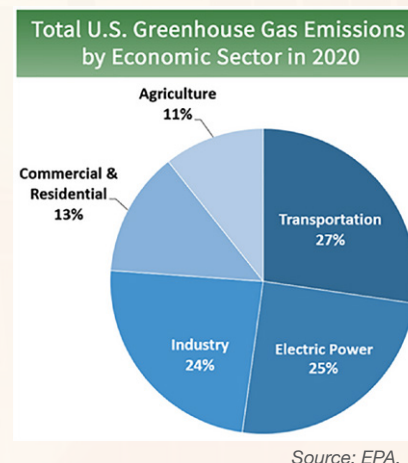
balance occupant comfort and overall facility performance. Since transportation is often a top contributor of anthropomorphic GHG emissions, however, it's a good idea to think about how to mitigate the *indirect* emissions from people who travel to and from our facilities to work.

Despite the current trend of hybrid work for employees around the globe, commuting to the office has been and will likely continue to be a significant source of global GHG emissions indirectly related to sustainable buildings.

To mitigate GHG emissions from transportation, alternative methods that don't consume an at-work parking space are ideal. But since we can't yet move people around using *Star Trek*-like transporters, our dependency on automobiles will be with us for some time to come. That means alternative fuel or zero-emission vehicles are options sustainable building owners and operators should promote as the need to drive to work persists. Although they require parking spaces at the office, the desire for zero-emission vehicles is resulting in a growing number of battery- and hydrogen-powered cars in office parking lots and nearby parkades. According to a recent International Energy Agency (IEA) report, worldwide, year-over-year sales of electric vehicles (EVs) doubled in 2021, accounting for approximately 10 percent of global car sales. And first-quarter sales of EVs in 2022 outstripped 2021 sales by 75 percent over the same period.² Although only a few car manufacturers in the world sell hydrogen-powered cars to the public, Japan, South Korea, and Germany are leading the way with hydrogen-fueling stations for road vehicles.³ Over the next five decades, the IEA forecasts the transportation sector will be the greatest consumer of hydrogen.⁴

Incentivizing employees to choose alternative transportation can be an effective means for owners and operators of sustainable buildings to help mitigate the indirect GHG emissions from transportation. At Reliable Controls we provide a cash incentive to staff for each trip to and from our offices via alternative transportation. The incentive applies to staff who walk or bike to work, take the bus, get dropped off, carpool, rideshare, or drive EVs. We publish our alternative transportation track record on our website (reliablecontrols.com/corporate/facility/performance/2022%20RHQ%20LEED%20PERFORMANCE.pdf).

Although it is of paramount importance for people who own or operate sustainable buildings to do the best they can to mitigate direct GHG emissions, by encouraging or incentivizing employees to use alternative transportation to get to work, we can also effectively combat indirect GHG emissions. And if a vehicle must be parked at or near the office, promoting the use of EVs or hydrogen-fueled vehicles is a strategy that aligns well with our continuing pursuit of the [ART of Building Sustainability](#).



Tom Zaban, P.Eng, LEED Green Associate

1. <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#:~:text=The%20largest%20source%20of%20greenhouse,electricity%2C%20heat%2C%20and%20transportation>
2. <https://www.iea.org/reports/global-ev-outlook-2022/executive-summary>
3. <https://www.statista.com/statistics/1026719/number-of-hydrogen-fuel-stations-by-country>
4. <https://www.statista.com/statistics/760001/global-hydrogen-demand-by-sector-sustainable-scenario>

WELCOME

New Reliable Controls Authorized Dealers

Biosafe Equipment Calibrations Ltd.
Abuja, Nigeria
biosafeequipment.com



Degree C Pty Ltd
Ulverstone, Australia
degrec.com.au



Delta Technologies
Lahore, Pakistan



PQ Energy Services, Inc
Easton, PA, United States
pqenergycontrols.com



Mechlab Bangladesh
Dhaka, Bangladesh
mechlabbd.com



Varitec Controls & Service Solutions
Pheonix, AZ, United States
varitecsolutions.com



Varitec Controls & Service Solutions –
Albuquerque
Albuquerque, NM, United States
varitecsolutions.com



Volnergy
Bayamon, Puerto Rico
volnergy.com



Reliable Controls sales, installation, service, and support are all performed by a growing network of independent, factory-trained Authorized Dealers. Each dealer is committed to the green building controls industry and to providing total customer satisfaction. To locate an Authorized Dealer near you, visit the dealer locator on the Reliable Controls website.



In conversation with...

Todd McBride, general manager at
IES Group in New Zealand
A Reliable Controls Authorized Dealer since 2015

Tell us about yourself.

I've been in New Zealand for 7.5 years. I worked with Innovative Electrical Solutions (IES) in Canberra, Australia. We came over to Christchurch post [2011] earthquake recovery. It was only supposed to be a temporary move; I came out with my wife and 6-month-old, with a second child on the way. It was a big thing, to move away from family.



*Todd McBride, general manager
at IES Group in New Zealand*

Our company does mechanical electrical installations and building management system controls; offering the full package makes it easier for us to work on projects (vs just selling the product). Reliable Controls has been a big part of our growth. I've worked with them for 13 years now—it's been really cool to work with the legacy products right the way through to the RC-FLEX family.

I've had a bit of a journey to get to where I am now, having started in the air conditioning and refrigeration industry, then moved into electrical and the controls side of things. I feel fulfilled now in what I do. The controls industry is so complex and keeps evolving. Having the technical background has helped me get to where I am now.

Do I have hobbies? My wife would say work! I really like playing around with automating things, reading about new technologies, and following trends on LinkedIn. I'm passionate about where the industry is going, about renewable energies... it's

**“Reliable Controls
has been a big part
of our growth.”**

exciting to be in the midst of such an important change for everyone. The industry is what I love, so it's hard for me to switch off from work. I have a couple of controls at home to do lighting and air conditioning. It's cool to bring it home and understand the products in a practical way by using them myself.

Tell us about the work you do.

I'm the general manager. We have a staff of 10 in the south and two on the north island. I make sure we have enough workload but also do the majority of the engineering of the Reliable Controls products.

We do electrical for mechanical, so we do all the wiring for the HVAC system as well as the other side of the businesses—the Reliable Controls side. By tying that together, we can offer a full start-to-finish package, from switchboard drawings to engineering the job and installing the product, then handing it over to the client. Through our service team, we continue the journey of optimizing the building with the client.

We're keen to give back to the industry by training apprentices. We've had a few who stayed with us for their entire apprenticeship. Giving them access to the Reliable Controls online training platform is a really good tool for our younger guys as well. They can do the tutorials, learn about the products, and understand the bigger picture and what we're selling.

What attracted you to the building automation industry?

I guess it's because it's so dynamic. It's never sitting still. Now that I'm in automation, I understand a lot more about the refrigeration side and other industries I've worked in. Before, I turned something on and it worked. Now I understand that there's certain inputs and outputs and programming that goes with it. It has really opened my eyes to that side of our job and the opportunities for us to do anything, really. We can move our business and focus on different industries and different clients, and be sustainable into the future.

Define success.

To me success is shared. Success means we're all growing and we're all evolving together. I feel humbled when we succeed in projects. We've had a few good projects where the clients saved heaps of money from a controls upgrade. It's knowing we've done the best of our abilities to achieve the ultimate results.



**“Backward compatibility is a real win!
No one’s left behind. It’s nice to sell
somebody something, knowing they won’t
have to replace it in 5 years’ time.”**

What does sustainability mean to you?

It’s exciting to me that we sell a product for the lifetime [of the building it’s installed in]. Backward compatibility is a real win! No one’s left behind. It’s nice to sell somebody something, knowing they won’t have to replace it in 5 years’ time. That’s a great thing to say. With everything today being so disposable, it’s nice to know that if the product fails we can send it back to be fixed, reused, or recycled. Reliable Controls actually cares about the environment. I like understanding why they use certain materials and how they focus on the sustainability side of things—for example, using aluminum because it can be recycled forever.

For us as a business, we’re doing whatever we can to avoid using pen and paper and printing things. In this day and age there are so many tools available that help us work as a team online.

*Todd with regional sales manager
Jason Duncan*



Why are you and Reliable Controls a good match?

We have shared values. We both have our clients’ best interests at heart. IES always tries to demonstrate what we say we’re going to do because we’re also *reliable*.

I’m passionate about trying to get the most out of the product and doing things a little differently or trying new things. Knowing the product—knowing programming and understanding holistically how the system works and improvements that can be made—and using my background in air conditioning is probably leaps ahead of others who are purely ins-and-outs focused. Having clients who are on board with that is exciting. And I know I can lean on Reliable Controls for support.

**“I appreciate that Reliable Controls listens to
the dealers, that they’ve got our backs and
have our best interests at heart.”**

What sets Reliable Controls apart from other brands?

Reliable Controls products are excellent. When other people work with our stuff, they say it’s one step ahead—the programming software and the platform are easy to use. Everything molds together: installation setup is quick and easy, which makes our overall job easier, more profitable, and less stressful. We heavily promote the backward compatibility aspect—the fact that products will be maintained and nothing gets left behind. I appreciate that Reliable Controls listens to the dealers, that they’ve got our backs and have our best interests at heart. It makes me feel part of the family.

I’ve been to two of the dealer events (Queenstown and Hobart) and do miss them. It’s awesome to catch up in an environment like that, to hang out with Levi [executive vice president of sales] and Roland [founder and former president of Reliable Controls], and to talk with other dealers around Aussie. It was great to share challenges and offer Roland feedback directly and have him take notes and really listen. It makes it all worth it to know they’re really invested in the company, in their products, and in the people—in us!

When you meet with a client, what’s your desired outcome?

Well, the obvious one is to get product in! We want to get Reliable Controls devices into as many projects as possible because we know they always deliver what we promise. When there are no problems and the client is happy, that’s good advertising for the next deal.

In New Zealand there have been a lot of rebuilds since the quakes. Reality is that often the cheapest [brand] wins, and it doesn’t matter what product is shipped. It’s taken us a long time to get to the point where people select IES and Reliable Controls because we do a good job.

Our last few jobs we worked together with a mechanical contractor; they do all the installation of the ducting, and we come in and do the electrical and the controls. We get asked along when someone wants an upgrade. The client's current system might only be 7 years old, but they are already being told they need to upgrade the computer, software, and controls, and it's going to cost them \$50,000. I come along and am so passionate about our product and what we can do that I can usually get it across the line. I sell clients on the graphics—the graphics are awesome and show them other sites we've done, the animations, the reporting and energy savings when we did an upgrade. It's all key to getting that final tick.

It's hard in New Zealand because there's a big market for Siemens controls. We recently removed some Siemens stuff from the [Les Mills Christchurch](#) project and put Reliable Controls in, and we saw 30 percent energy savings. It was pretty remarkable! Looking at graphs of a 4- or 5-month period, you could see exactly when we took control. We are very proud of those achievements. The client is saving \$4,000 a month. They're now achieving better air quality and enjoying comfortable and consistent conditions, and it's all doing good for the environment.



Todd with Ian Giles, Reliable Controls
vice president of sales for Asia Pacific

question is too stupid. Tech Support is always there to help, which is a huge thing. As a dealer, you want to be able to reach out anytime, or lean on them, which I do a lot. Being remote in New Zealand, we never get to see these people. Having the video calls is kind of cool.

I've also got to praise our regional sales manager. Jason is a welcome soundboard. He's always trying to empower us to do better and succeed. It's exciting to have him on the journey. Even when he was on sabbatical he would reach out, keen to offer support. It makes life a lot easier knowing he's there for us. I know he gets paid for what he does, but I think he would do it regardless. He's really good at his job and is just a really good person. Hopefully he'll be able to visit us here in New Zealand soon.

How does Reliable Controls come through for you?

The technical support is awesome. They always answer calls quickly and efficiently. We once had an issue on a site 5 hours away. One of my guys went to the site and we Teams called in, but then I had a problem with software licensing on the server. It being a secure site made it hard to access. So I sent an email to the Tech Support team at Reliable Controls, and within 5 minutes I got a response. Lyam offered to do a screen share, so he took control of my computer and took control of the other guy's computer (at the site), and we were able to get the problem resolved. It's pretty awesome we were able to achieve the results and not have to worry about waiting 16 hours for someone to get back to us. It was pretty instant! I've dealt with Lyam a few times now, and I never get the feeling that a

THE ART OF BUILDING SUSTAINABILITY

Last November, COP26 in Glasgow secured near-global net-zero emissions targets from 153 countries. After 13 days of intense negotiations, every party at COP26 agreed to the Glasgow Climate Pact, accelerating action on climate in this decade. The goal? Limit global warming to below 1.5 degrees Celsius with urgent strengthening of targets and accelerated action on coal, deforestation, electric vehicles, and methane.¹

The Glasgow Climate Pact provides a framework for financial, technical, and capacity-building support to countries that need it. Reliable Controls is particularly passionate about that second element: fully realizing technology development and transfer for both improving resilience to climate change and reducing greenhouse gas emissions.

Buildings account for more than 30 percent of global energy consumption²; beyond that, heating, ventilation, and air conditioning (HVAC) consume about 50 percent of the energy used in buildings.³ Improving the efficiency of these systems is crucial to a long-term climate commitment like the Glasgow Climate Pact.

In addition to the high level of interaction between HVAC, lighting, and security systems, building sustainability demands other technological and supporting elements that will endure over the long term. In 2019 Reliable Controls thoughtfully developed a concept called the [ART of Building Sustainability](#)—nine elements of building sustainability that guide the work of Reliable Controls team members and the evolution of its products. These nine elements are also intended to help Reliable Controls customers create true building sustainability—now and into the future.



Certified open standards

Open protocols certified by third-party testing labs ensure different IoT vendors effectively share information and services—to interoperate as a single, dependable system. Since 1995 the BACnet protocol has delivered the promise of interoperability for building owners around the world. All controllers Reliable Controls manufactures are certified by a third-party testing lab—BACnet Testing Laboratories. When customers see the BTL mark on Reliable Controls products, they can be confident the products have been rigorously tested to meet a high level of quality and open-protocol conformance.



Secure data

Perhaps more important than ever in the building automation industry is the need for improved information security and scalable network infrastructure. Integrating building controls from multiple vendors can introduce security vulnerabilities. Reliable Controls products support a single sign-on architecture and secure communication through an encrypted BACnet Secure Network to provide a comprehensive approach to security—no matter how many different BACnet devices are deployed in a building automation system.



Integrated fault detection and diagnostics

Reliable Controls integrates real-time fault detection and diagnostics capabilities into its products, saving customers the time and money involved in implementing third-party reporting. Using existing infrastructure, live fault-reporting technology from Reliable Controls empowers building operators to diagnose and resolve issues as they happen—so their facilities run smoothly and efficiently, reducing unexpected downtime and extending the life of their equipment.



Ownership of analytics

Facility owners, operators, and managers can effectively optimize building performance with timely access to actionable insights. Reliable Controls products allow stakeholders full control over data gathering, report formatting, and delivery without the burden of restricted licensing or copyright requirements—so they can quickly turn information into action while retaining full ownership and control of data.



Mobile-centric experience

Today's building occupants expect to interact with their environment to control lighting, ventilation, heating, cooling, and air quality. Empowering people to manage their own surroundings fosters accountability and efficiency. With technology from Reliable Controls, building occupants can use their smart devices to better connect with their space and take control of their environment in a holistic, mobile experience.



Minimal waste

Today's technology is often paired with a cavalier attitude about product life cycle. Vendors like Reliable Controls who are committed to sustainability understand that carefully engineered designs and meticulous component selection result in devices that endure for the long term. Reliable Controls provides comprehensive repair and responsible disposal services that extend customers' return on investment and minimize waste.



Backward compatible

The way manufacturers respond to new technologies highlights a fundamental challenge in the building controls industry: planned obsolescence. For decades, Reliable Controls has countered this challenge with an ongoing commitment to backward compatibility. When the company develops new products and improves existing ones, customers can be confident in a smooth transition to new technologies—without the need for third-party gateways or expensive hardware replacement.



Training and support

With more than 30 years in the building controls industry, Reliable Controls is ideally positioned to deliver comprehensive technical services and expertise in building automation. Whether users are new to the industry or skilled professionals, Reliable Controls has the resources to support their goals. The Reliable Controls online portal provides access to operator certification training, engineering specifications, software manuals, hardware user guides, troubleshooting tools, videos and more.



Factory-certified service

Reliable Controls technology is supported by a global network of knowledgeable, factory-certified service partners who invest in their people and understand the expectations of their customers. Building operators and owners know the importance of authorized local service providers who deliver the consistent, high-quality support and the expertise demanded by today's built environment.



The integration of HVAC, lighting, and security systems is the foundation of the ART of Building Sustainability.

“The [ART of Building Sustainability](#) isn't just a pretty graphic or clever slogan,” says Cameron Lutz, Marketing manager at Reliable Controls. “It's a road map for building owners and operators to achieve true sustainability in their built environment. Each of the nine elements is carefully considered to highlight real issues owners face—and each is countered with a common-sense solution that will sustain for years.”

Reducing greenhouse gas emissions from the world's building sector is a key component to meeting the goals of the Glasgow Climate Pact. Approximately two-thirds of the built environment today will still exist in 2050. Currently, building renovations affect only 0.5–1 percent of the building stock annually.⁴ A significant increase in renovations to existing buildings is required to meet the emission-reduction targets of the Glasgow Climate Pact.

The knowledge and experience of Reliable Controls Authorized Dealers and the ART of Building Sustainability empower facility operators to stand at the helm of

sustainability. After a challenging few years with COVID-19, building sustainability is especially important. Designing and retrofitting buildings to operate safely is the focus of most built-environment professionals in 2022. Pre-pandemic, sustainability in commercial buildings focused mostly on resource consumption, access to public transportation, and emissions. Now, true sustainability requires that buildings be flexible and adaptable to the needs of occupants. The ART of Building Sustainability can help facility owners address all these objectives.

A world of opportunity awaits to reduce the impact of the built environment. Reliable Controls is making a difference by empowering building owners and operators to help advance these critically important long-term climate goals.



¹ IEA. “Energy Technology Perspectives 2017.” <https://www.iea.org/reports/energy-technology-perspectives-2017>.

² <https://ukcop26.org/wp-content/uploads/2021/11/COP26-Presidency-Outcomes-The-Climite-Pact.pdf>

³ US Energy Information Administration, Commercial Buildings Energy Consumption Survey: Energy Usage Summary, 2016.

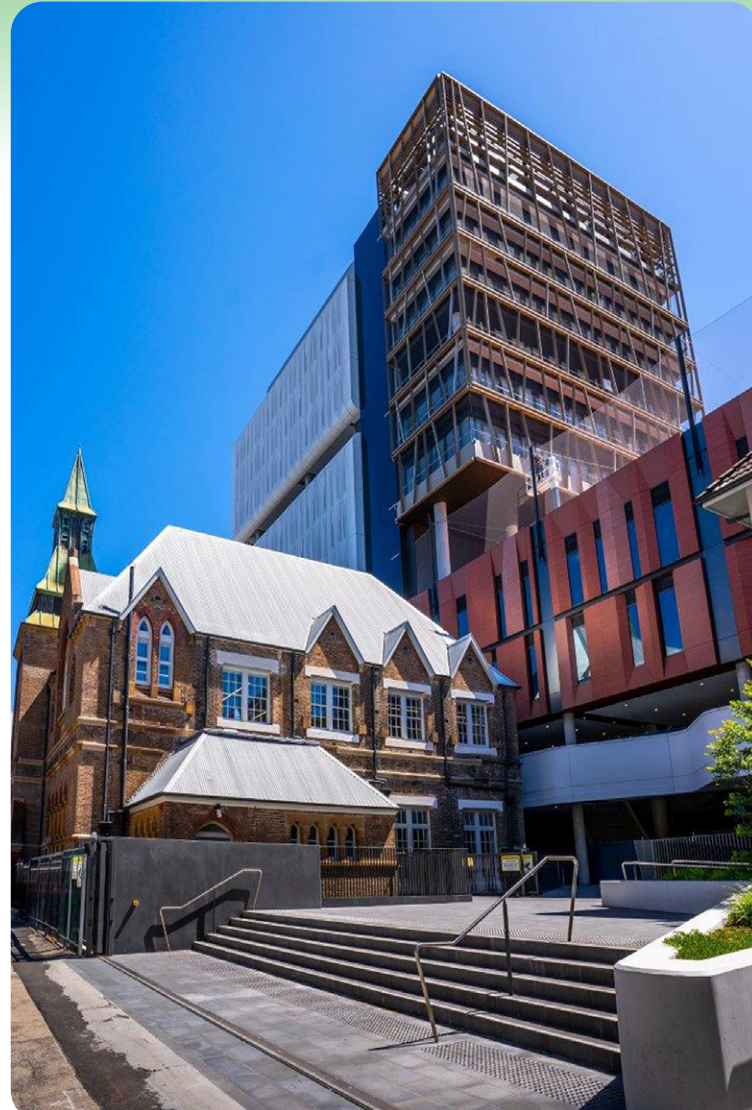
⁴ Architecture 2030. “Why the Building Sector?” <https://architecture2030.org/why-the-building-sector/>



Inner Sydney High School

AUSTRALIA

Since 2019 the New South Wales government has opened more than 100 new and upgraded schools through its historic school building program, a AUD\$400 million investment that has benefited tens of thousands of students and supported communities throughout the province. One of these projects was a new high school in the center of Sydney that combines unique heritage buildings with a 14-storey high-rise tower that accommodates 1,200 learners. Built to be energy efficient and ecologically sustainable, Inner Sydney High School is accessible, flexible, and technologically equipped to meet the demands of an evolving curriculum, with spaces that are engaging and supportive for students and teachers. The school meets a diverse range of learner interests, with five STEM-focused floors for science, technology, engineering, and mathematics; multiple sport and recreational facilities, and facilities for music, food technology, and visual arts.



Authorized Dealer Rycon Electrical Services installed a Reliable Controls building automation system at Inner Sydney High School that controls HVAC equipment and provides electrical energy monitoring. A significant achievement of the project was providing low-cost fan-coil unit control, said David Connolly, director of Rycon. One hundred and thirty-three MACH-ProAir controllers throughout the facility each include an airflow sensor and onboard damper motor, eliminating the need for separate pressure transducers and outside air-damper actuators. The MACH-ProAir is a fully programmable BACnet Building Controller with flexible input and output options, engineered to be suitable for a wide variety of variable air volume applications.



RYCON Electrical Services

Rycon took control of the school's mechanical equipment with eight MACH-ProCom and eight MACH-ProSys controllers and integrated third-party power meters using Modbus RTU. The MACH-ProCom and MACH-ProSys are fully programmable BACnet Building Controllers with extensive networking capabilities that achieve an optimum balance between form and function. Rycon also installed five MACH-ProZone controllers to control small to midsize rooftop and heat-pump units.

Ninety-eight programmable SMART-Sensor devices around the school deliver a modern communicating-sensor solution that allows building managers to connect with up to 10 configurable parameters related to space, including temperature.

Rycon used RC-Studio software to integrate the school's mechanical equipment and optimize control strategies for comfort and energy efficiency. An easy-to-learn, easy-to-use BACnet Advanced Operator Workstation, RC-Studio provides real-time fault detection and diagnostics, so facility managers can resolve issues before they become a problem. With RC-Archive software, stakeholders fully own and control their data and benefit from a robust, dependable record of performance, and RC-Reporter helps them extract intelligence from that data to discover actionable insights.

Today RC-WebView software, a browser-based building management solution that combines the power of enterprise tools with a simple interface, provides scalable visibility and system control at a glance.

"Rycon are proud to have successfully delivered the Inner Sydney High School's building automation system powered by Reliable Controls," said David. "This was our first multistorey building and a real testament to our project delivery team."



Installed Reliable Controls hardware

- 133 MACH-ProAir™ controllers
- 8 MACH-ProCom™ controllers
- 8 MACH-ProSys™ controllers
- 5 MACH-Zone™ controllers
- 98 SMART-Sensor™ devices

Installed Reliable Controls software

- RC-Archive® software
- RC-Reporter® software
- RC-Studio® software
- RC-WebView® software

Total system objects

- 1,472

Total area

- 5,636 m² (60,665 ft²)

Integrated equipment

- 2 Daikin chillers via BACnet MS/TP
- 36 Schneider PM series power meters
- 11 ABB variable speed drives via BACnet MS/TP

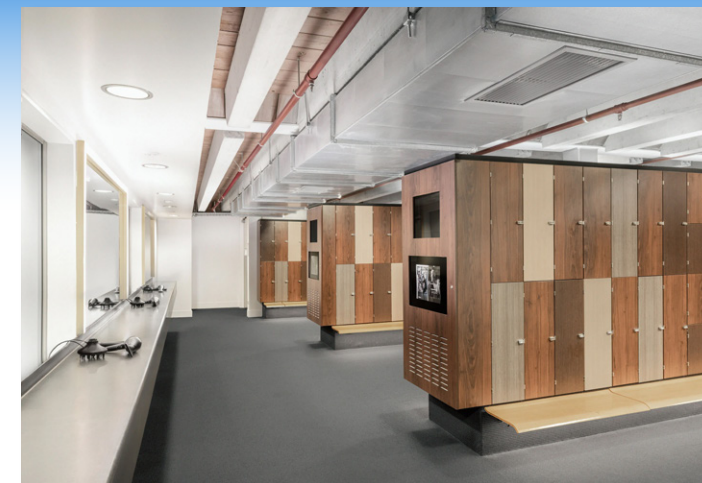
School principal Robyn Matthews sees the school's physical environment as a unique opportunity to drive its narrative on education and learning in a future-focused way that encourages students to embrace lifelong learning. Reliable Controls and Rycon were pleased to provide Inner Sydney High School with a sustainable, efficient building automation system that will contribute to this goal for years to come.

Les Mills Christchurch

— NEW ZEALAND —

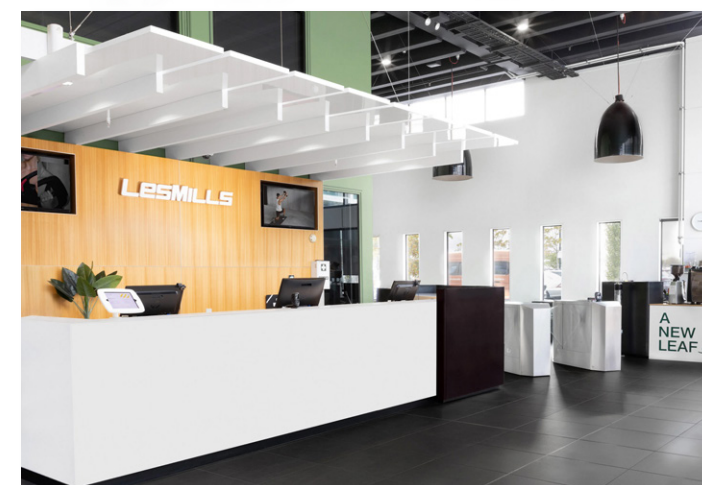
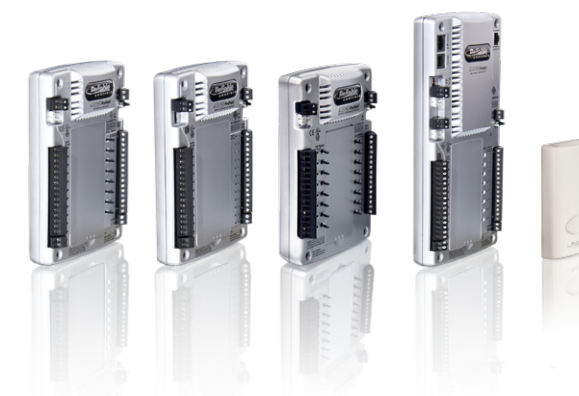


Inspired by a desire to help people fall in love with fitness, New Zealand Olympic track-and-field athlete Les Mills opened his first gym in 1968. From its origins as a small gym in Auckland, the Les Mills brand has grown into a global movement with 12 fitness clubs across New Zealand and Australia, 23 programs licensed in 20,000 fitness clubs worldwide, and a team of 140,000 instructors who deliver group classes to over 6 million people a week. The company is driven in part by a commitment to corporate social responsibility and has donated millions of dollars to environmental causes, including partnering with UNICEF.



Reliable Controls Authorized Dealer IES Group upgraded the building automation system at the Les Mills Christchurch facility, which includes controls and peripherals for seven air-handling units that serve three gyms, changing rooms, and support-staff areas. Before the upgrade, the facility was not set up to use the cooling capabilities of its air-handling units or remotely monitor the domestic hot-water system or supply and return fans.

IES installed eight MACH-ProSys devices with a mix of MACH-ProPoint expansion modules to control the air-handling equipment at Les Mills Christchurch. The MACH-ProSys is a flexible, fully programmable BACnet Building Controller with onboard inputs and outputs and extensive networking options. Eight SPACE-Sensor Temperature devices with a mix of CO₂ and relative humidity sensors measure and control humidity, CO₂, and temperature throughout the facility. The CO₂ sensing technology in the SPACE-Sensor Temperature is a stable nondispersive infrared sensor not subject to the shortterm drift found in other air-quality sensors. Facility managers benefit from energy savings with CO₂ sensing, as ventilation is based on actual occupancy rather than the design occupancy of the space.



IES used RC-Studio software to integrate mechanical equipment and implement control strategies that optimize comfort and energy efficiency in the gym. Today building managers can efficiently manage the control system over the internet using RC-WebView software, an easy-to-use browser-based solution that combines the power of enterprise tools with a simple interface accessed by a secure single sign-on. With this building automation system upgrade, the hot-water system and supply and return fans are now monitored and controlled remotely thanks to RC-RemoteAccess software, a scalable, affordable BACnet Secure Network solution. And with the continuous downloads of building data logs provided by RC-Archive software, facility managers have a comprehensive record of performance.

This project offered a few distinct challenges for IES: commissioning and testing a new building automation at a live site with minimal disruptions for clients and working under strict safety protocols brought about by the COVID-19 pandemic. It provided a unique opportunity to customize building control based on fitness-class schedules and develop a tailored environment for a particular class.



Les Mills prioritizes sustainable initiatives in the operation of its fitness clubs, including 100 percent renewable energy, recycling stations, eco-friendly products and suppliers, LED lighting and smart lighting controls, low-flow shower heads, solar hot-water heating, and EV charging stations. Reliable Controls and IES Group are pleased to support Les Mills's sustainability goals with this upgrade to the building automation system in Christchurch.

Installed Reliable Controls hardware

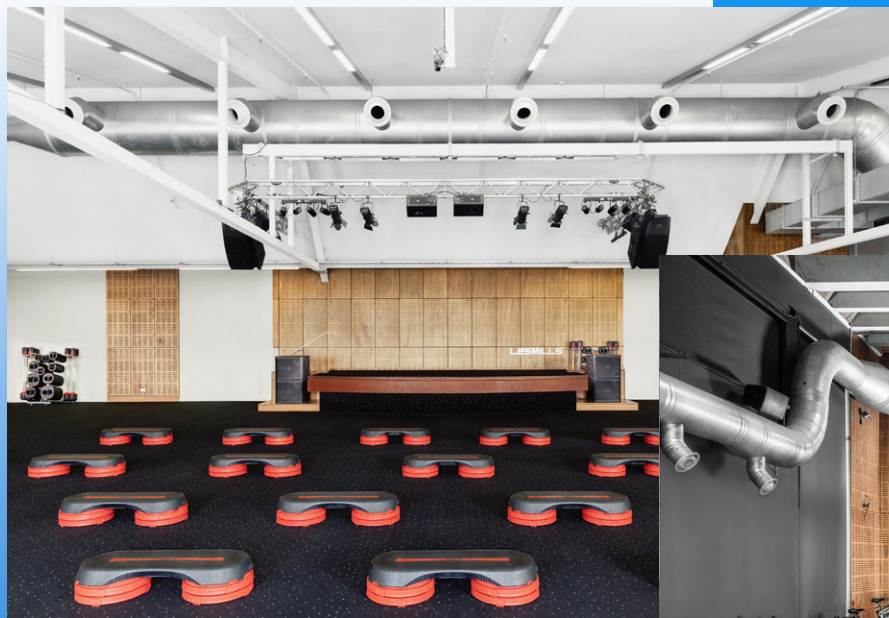
- 3 MACH-ProPoint™ Input/Output expansion modules
- 1 MACH-ProPoint Input expansion module
- 1 MACH-ProPoint Output expansion module
- 8 MACH-ProSys controllers
- 8 SPACE-Sensor™ Temperature devices

Total system objects

- 1,000+

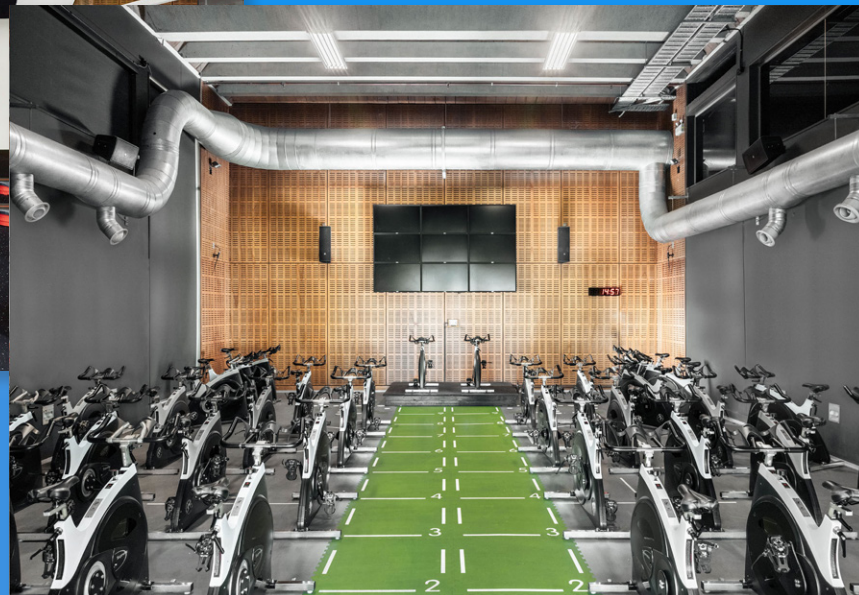
Total area

- 900 m² (9,688 ft²)



Installed Reliable Controls software

- RC-Archive software
- RC-RemoteAccess® software
- RC-Studio software
- RC-WebView software



Better by design™

Explore other Reliable Controls projects: reliablecontrols.com/projects



Latest news

RC-FLEXair controller earns BACnet Building Controller BTL Listing

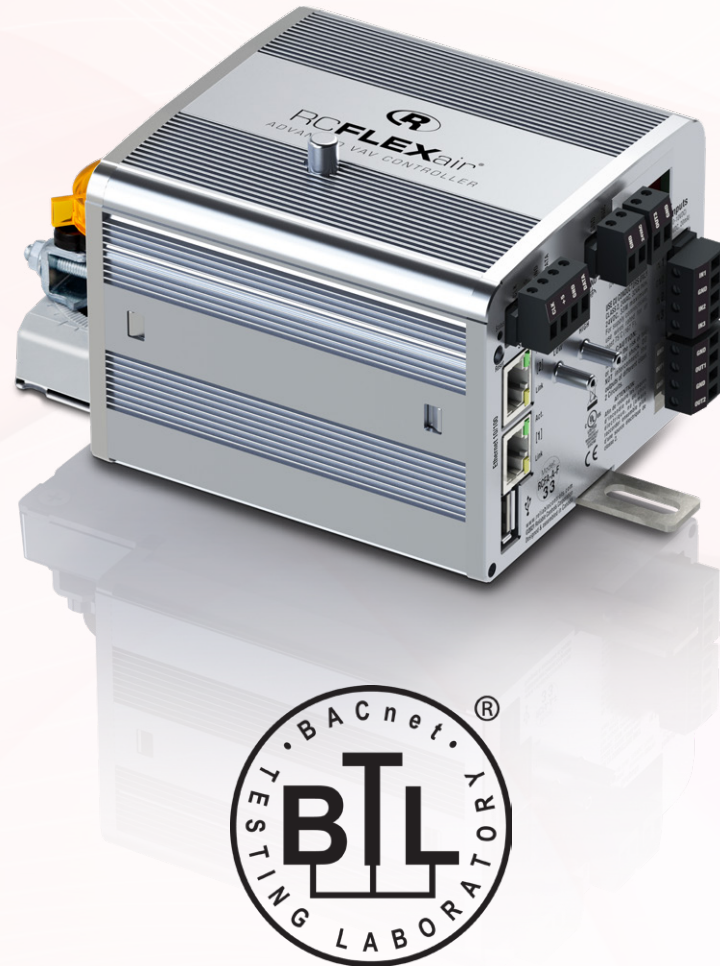
The [RC-FLEXair® controller](#), the first in [a brand-new generation of controllers](#) from Reliable Controls, recently earned a BACnet Building Controller BTL Listing from the [BACnet Testing Laboratories](#), which means it has been independently tested by a recognized BACnet testing organization to be in accordance with BTL requirements.

The RC-FLEXair, like many Reliable Controls devices, is now BTL certified to effectively share information and services with products from different vendors using BACnet. When users see the BTL mark on this and other Reliable Controls products, they can be confident these devices have been rigorously tested to meet a high level of quality and open-protocol performance.

“We believe BACnet puts power over facility decisions where it belongs—in the hands of the user,” said Reliable Controls executive vice president of sales Levi Tully. “BTL certification provides owners with the assurance they can get the most from their investment with a future-proof promise of extensibility.”

The RC-FLEXair is a freely programmable controller ideal for a wide range of variable air volume and room control applications. With a high-performance multicore processor, tons of nonvolatile memory, and dual Ethernet connectivity, the RC-FLEXair is a truly dynamic controller that will empower building owners with confidence for years to come.

“Since our first BACnet listing in 2003, Reliable Controls has continued its strong advocacy for the



BACnet protocol and BTL,” says Reliable Controls president Tom Zaban. “It’s great to see the new RC-FLEXair earn a BACnet Building Controller listing, continuing our long-term commitment to [ASHRAE](#) and the [ART of Building Sustainability](#).”

Explore the complete collection of BTL Listed Reliable Controls products:
bacnetinternational.net/btl/index.php?m=10

Learn more about the RC-FLEXair:
reliablecontrols.com/rcfa

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How part obsolescence and supply-chain challenges helped Reliable Controls improve its bestselling MACH-ProView LCD controller

After more than a year of supply-chain challenges, Reliable Controls has released an updated version of its popular MACH-ProView™ LCD controller. The MACH-ProView LCD is a freely programmable BACnet Building Controller and BACnet Operator Display that provides attractive, customizable, high-resolution graphical interfaces facility managers can use to access, monitor, and control the comfort and energy performance of any space.

In spring 2021, in the midst of launching [an entirely new generation of hardware](#), Reliable Controls made a nimble pivot to redesign the [MACH-ProView LCD](#) after learning one of the processors it depended on was no longer available.

Redesigning the MACH-ProView LCD gave the company an opportunity to improve controller performance in several meaningful ways, with a new processor, new memory, and other revisions. Start-up time is almost half that of the previous version of the controller; users can switch themes 10 times faster; and EQUIPMENTview—a customizable screen view that lets users display and access objects on the LCD—performs much more efficiently.

Many Reliable Controls team members played a critical role in overcoming supply-chain challenges and making the redesign of the MACH-ProView LCD a success. “I am very proud of the hardware, firmware, and software teams’ ability to pivot projects and take on huge uncertainty to deliver a revised product that is even better than before—in as short a time as possible,” said James Puritch, vice president of R&D at



Reliable Controls. “Our plan was made possible due only to the tireless efforts of our purchasing team to secure parts and build a new product pipeline.”

Around the same time in 2021, global supply-chain issues forced a halt in the manufacturing of non-LCD models of the MACH-ProView, as well. Reliable Controls is pleased to announce all six models of the controller are now available for order through the company’s global network of factory-certified Authorized Dealers:

- [MACH-ProView](#)
- [MACH-ProView with Router](#)
- [MACH-ProView LCD](#)
- [MACH-ProView LCD with Router](#)
- [MACH-ProView LCD Operator Display](#)
- [MACH-ProView LCD Operator Display with Router](#)

“The MACH-ProView empowers people to interact with their space in a simple, seamless, unique way. When supply-chain and raw material constraints disrupted our ability to produce it, we knew we could not stand by and wait for things to return to normal,” said Levi Tully. “I could not be prouder of the tremendous effort our team devoted to doing whatever it took to get that power and experience back in the hands of users worldwide. A truly outstanding effort.”

Learn about how Reliable Controls technology is used in buildings around the world:
reliablecontrols.com/projects

Since 1986 Reliable Controls has developed a global network of highly skilled independent controls contractors called the Authorized Dealer network. The *RUNtime* magazine supports the collective efforts of the company to earn and sustain the most satisfied customers in the building automation industry. Information on the latest Reliable Controls products and services and insight into industry news and trends can be found in each issue of the *RUNtime*.

As a leader in the industry, Reliable Controls supports its Authorized Dealers to achieve their goals with a motto that together, they can be better by design.



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