



*People and technology
you can rely on™*



Sustainability standards place a high demand on facility managers to maintain a delicate balance of energy efficiency, client comfort, and environmental impact.

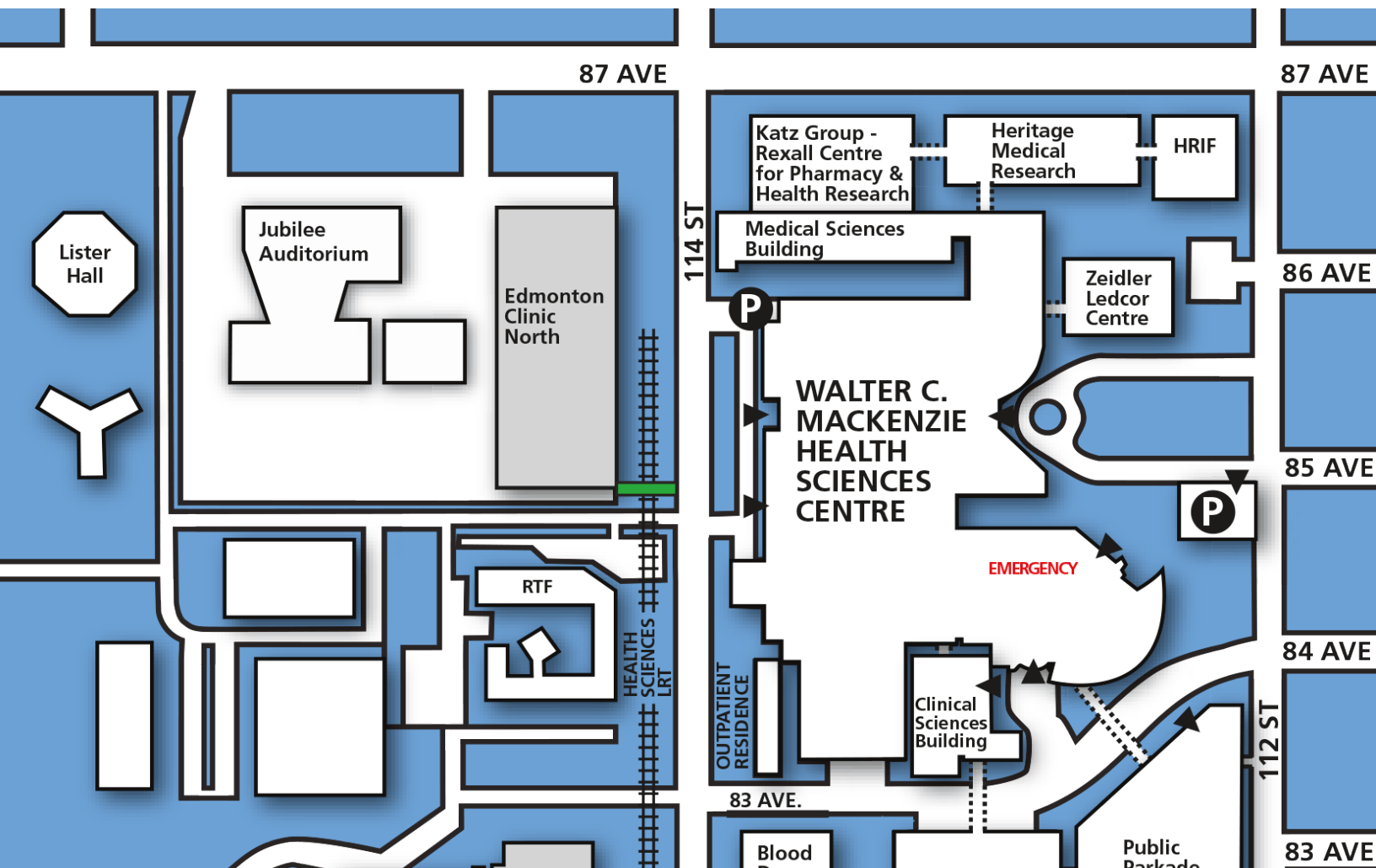


The ease of use, versatility, and resilience of the Reliable Controls system allows building operators to achieve that balance.



In 1997, the Walter C. MacKenzie Health Science Centre awarded a controls retrofit and new construction contract that would replace an aging, 1,500 point smoke control system with an Ethernet-based, Reliable Controls system. Subsequently, additional systems and functionality have been added and in 2004, the facility expanded with a four-storey addition.

Approximately 9,000 points of measurement and control are managed by Reliable Controls products at the Walter C. MacKenzie Health Science Centre. After implementing the Reliable Controls system, the planning team was able to reduce energy use by 18%.

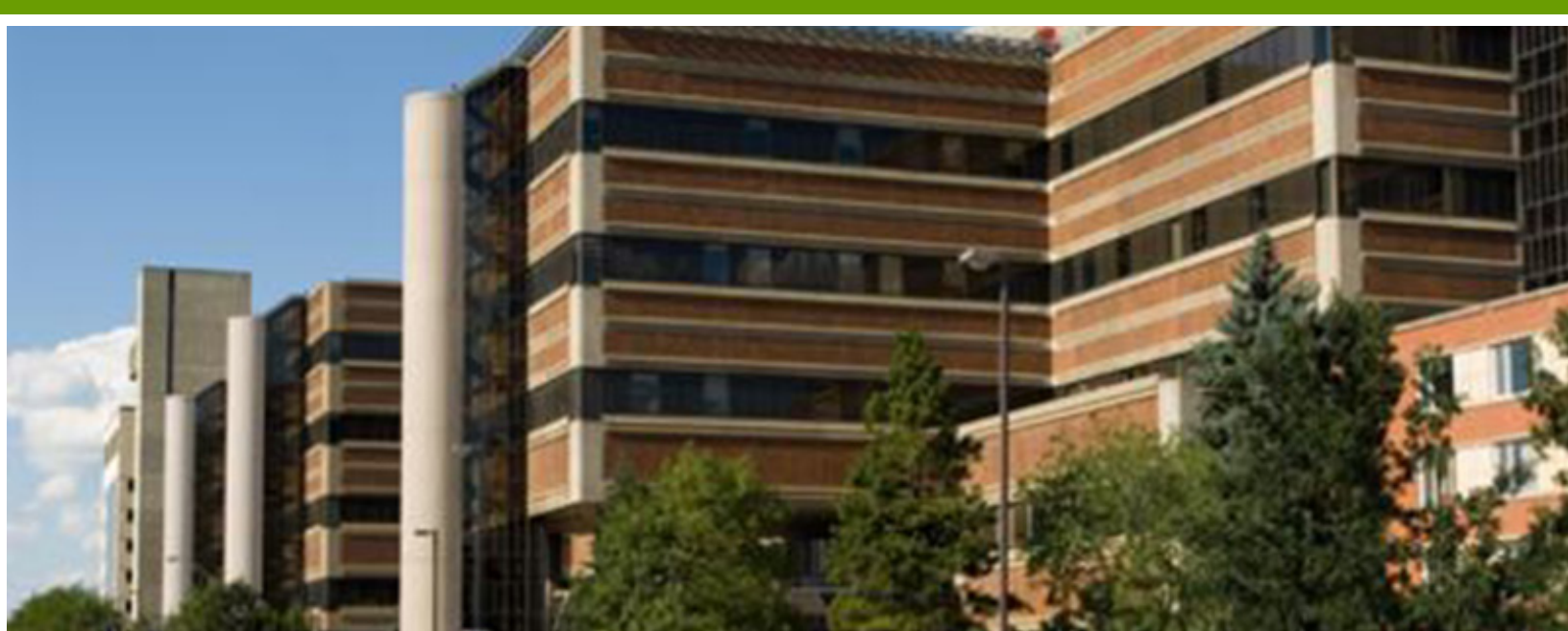


The Reliable Controls system in the facility is installed in operating theatres, research labs, critical care units, isolation units, and administration areas. The applications consists of HVAC, lighting, and smoke control on a network that includes fibre-optic, Ethernet, and EIA-485.



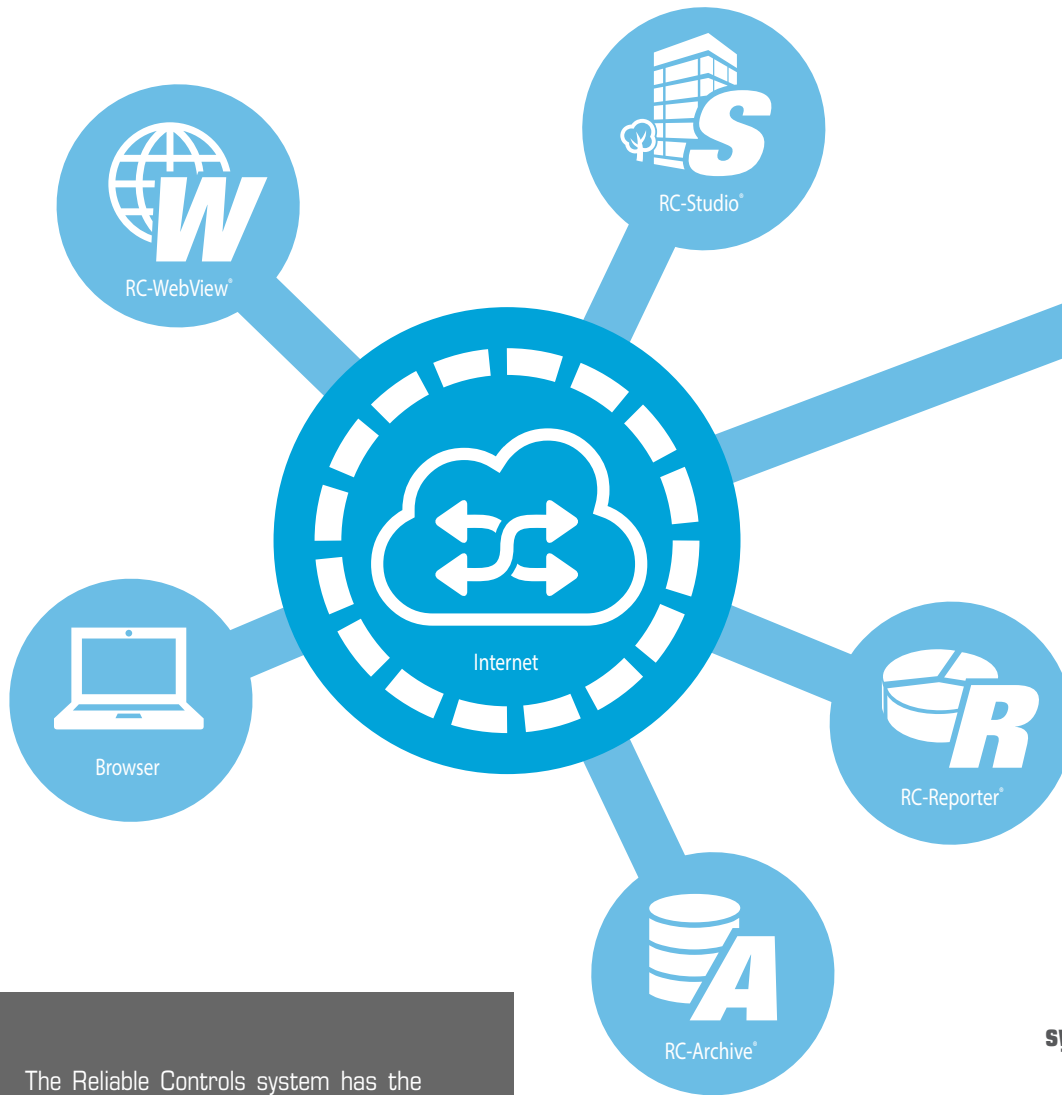
building performance

Consisting of 351,000 m² (3.7 million ft²), the multi-structure trauma centre at the Walter C. MacKenzie Health Science Centre is one of Canada's leading health sciences centres, providing a comprehensive range of diagnostic and treatment services.



The Reliable Controls system investment resulted in two awards from Canada's Climate Change Voluntary Challenge and Registry Program. The first award recognizes GOLD level reporting of Energy Performance and Reduced Emissions, and the second award recognizes the energy efficient retrofit and new construction projects on a national level.

network flexibility



Reliable Controls offers a complete controls solution that easily interconnects with intelligent building technology.

The company's products communicate using robust, industry-standard networks and protocols.

The Reliable Controls system continues to grow, and has the flexibility to serve multiple simultaneous operators from numerous points of secure access.

The Reliable Controls system has the flexibility to keep clients connected using the latest technologies and the resilience to be effective for the life of the equipment controlled.

Every controller manufactured by Reliable Controls contains a BACnet communication stack on board and is BACnet Testing Laboratory listed for quality assurance. Reliable Controls provides an industry-recognized 5-year warranty on all programmable controllers.



The Reliable Controls MACH-system supports Internet Protocol, Ethernet, Master/Slave Token Passing, and Point-to-Point communications as well as Modbus, Simple Mail Transfer Protocol, and Simple Network Management Protocol.



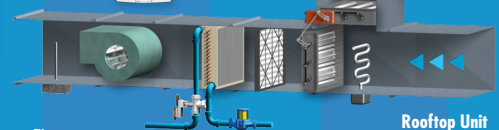
System Controls

MACH-ProWebCom™
in communication closet

MACH-ProSys™
in penthouse air handler

BACnet
Variable
Frequency Drive

MACH-ProZone™
exhaust fans



MACH-ProPoint™
expansion module

Rooftop Unit

MACH-ProWebCom™
in communication closet

MODBUS
Power Monitoring



Zone Controls

MACH-ProCom™
in communication closet

MACH-ProAir™
on VAV box

MACH-ProZone™
on ceiling mounted heat pump



MACH-ProView™
in office space
using Wi-Fi



SMART-Sensor™ EPD
in office space

SMART-Sensor™ EPD
in office space

MACH-ProView™
in office space

SMART-Space Controller™
in office space

Central Plant Controls

MACH-ProCom™
in central plant with
expanded I/O Net



Chiller

professional performance reports

Web-based building performance software that helps to improve operational decisions.

Extract intelligence from your building data to deliver actionable vital insights and improve operational efficiency. Pinpoint and rank opportunities then track progress and bring awareness to operators and occupants of the impact of continuous improvement. RC-Reporter® brings clarity to your building performance with fully customizable reports which are automatically updated and delivered.

Using the latest in web technologies, RC-Reporter is designed to operate optimally with Windows Server 2012, SQL Server 2014, and Chrome under Windows or Mac OS. RC-Reporter supports Windows Server 2008 R2 and above, SQL Server 2008 R2 and above, IE 11+, and Chrome under Windows OS or Safari under Mac OS. Reports generated with RC-Reporter are sharable using email notifications. The software uses archived building data either from RC-Archive® or from CSV files.

RC-Reporter delivers a simple, flexible, and sustainable web-based solution that provides analysis to help you focus on the bigger picture and be more confident in your long-term, operational decisions.

Innovation

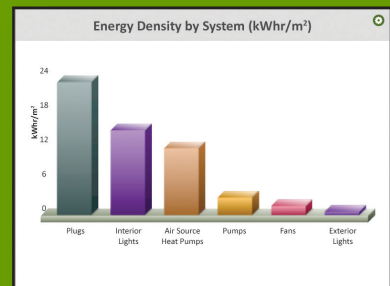
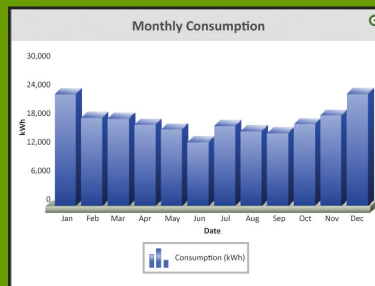
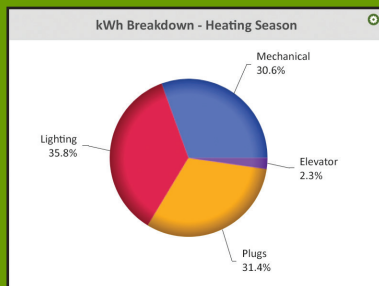
Create a wide variety of building reports from any BACnet, Internet-connected site and access using standard browsers on a desktop or mobile device.

Impact

Derive meaningful analysis from the resulting reports and make informed operational decisions that impact your company's triple bottom line.

Value

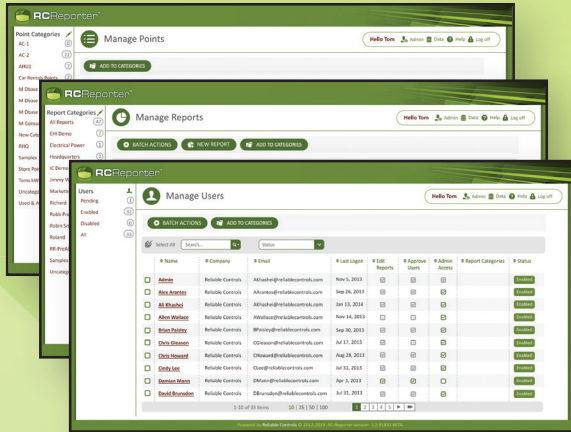
With its powerful point filtering and categorization, standard and advanced querying, automated report distribution, and drag-n-drop ease of use, RC-Reporter allows you to author and share building performance reports with confidence and ease.



Easily produce a wide variety of charts using Date Range, Profile, Correlation, and Contribution components.

RCReporter®

Building Performance Reporting Software



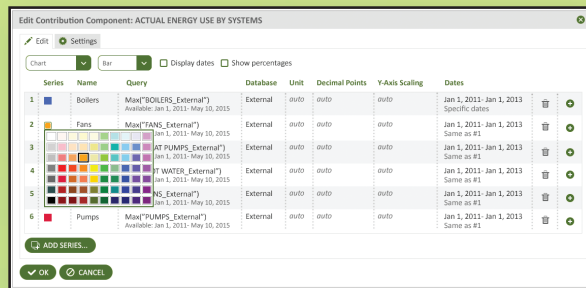
Manage points, reports, and users effectively and efficiently.

Effective Report Management

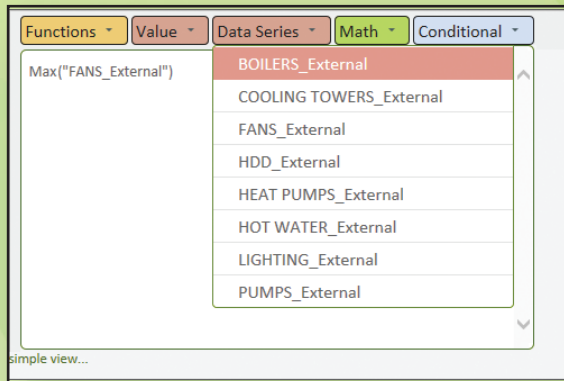
Powerful and intuitive filtering provides effective point retrieval and tagging. Reports can be categorized by application and user, and exported for sharing in other databases. Full permission controls allow numerous users to be managed efficiently.

Rich Component Editing

Rich component editing provides authors with the flexibility needed to produce creative and visually impressive reports. A wide selection of fonts, colors, borders, and headers are user selectable.



Choose formats and styles with feature rich component editing.



Leverage powerful query capabilities.

Powerful Query Capabilities

The query capabilities in RC-Reporter allow you to apply a wide range of math functions, transforms, and operators to your data, and extract intelligence from the data to display aggregates, exceptions, normalizations, and much more.



The Walter C. MacKenzie Medical Centre is an excellent demonstration of the power, flexibility, and sustainability of the Reliable Controls system.



Reliable Controls outstanding customer loyalty stems from the ability to be good listeners and deliver practical, easy-to-use building solutions that are flexible, economical, and an excellent return on investment, year over year.