



DATA INTELLIGENCE

Data-driven solutions for managing smart building systems

REDUCE

- Energy consumption
- Operational costs
- Operational risks
- Troubleshooting labour hours
- Environmental footprint

INCREASE & IMPROVE

- Thermal comfort
- Tenant experience
- Equipment lifecycle
- Building system vendor engagement
- Asset value

Smart Buildings and Data Intelligence

Data is the new currency

Smart buildings have become increasingly prominent and desirable among property owners, and they hold higher asset value in the market. They are proven to be more efficient, sustainable and cost-conscious, while simultaneously providing well-being and comfort to tenants; these outcomes are dependent upon quality data intelligence.

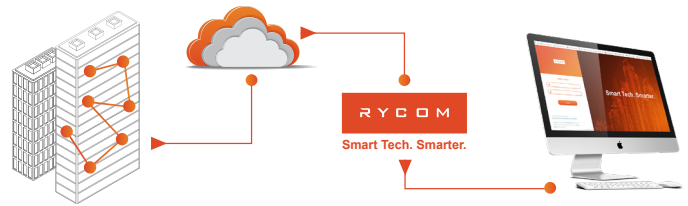
Smart buildings need data intelligence

Data intelligence is a vital tool for smart building owners to optimize their efforts and improve current services, as well as pave the way for future implementations. The Government of Canada has set a goal to achieve net-zero emissions by 2050, and buildings owners and tenants alike are becoming increasingly aware of the need for green buildings. RYCOM's data intelligence solutions simplify building management, and they are a key component in the strategy of achieving net-zero emissions.

Data by itself is simply not enough. You need a team of industry leaders and experts that are equipped with the knowledge and expertise to translate data into tangible results. The RYCOM Data Intelligence solutions collect data from your property in real time, giving our team members the ability to quickly present actions with next steps to address and resolve issues that arise before they become larger, costly repairs or consume excess energy.

How does it work?

RYCOM solutions are easily integrated into your building. With just one simple connection to your building system(s), the data is pushed to our cloud through a secure connection. From here, the data can be paired with data from other sources, such as utility bill data, weather data or data from other building systems. This process allows us to present valuable and usable results in the RYCOM Data Intelligence User Interface.



CONNECTION

CLOUD

DATA

RESULTS

Using data directed maintenance to service your building systems, our platform reviews millions of data points autonomously. The platform then flags maintenance issues and optimization opportunities, using root cause analytics algorithms written by industry experts.

What RYCOM Data Intelligence offers you

As part of RYCOM's managed service, we assign a Building Engineer to work directly with the site operations team and building vendors, and we promote ongoing collaboration to drive energy and operational savings. Tracking results in real time allows everyone involved in the project to get positive feedback for their actions without delays. Saving energy requires hard work from building operators, energy managers and system vendors, and seeing an energy consumption dip on a sub-meter or the main utility meter is a great reward.

Our clients will be supported by all members of our bilingual, multi-skilled Data Intelligence team, including the Integration Team, the Data Operations Centre, who review anomalies daily, and Building Systems Engineers, who act as an extension of your team. The RYCOM Data Intelligence team is dedicated to working closely with building operators and building service vendors to turn data findings into meaningful action items and tangible results.



People. Process. Technology.

At RYCOM, people come first. With over 20 years of experience in the networking, technology and data sphere, RYCOM is a proven industry leader. We have successfully deployed many high-performing projects across a wide portfolio, and our team members have experience driving outcomes across a landscape of environments, including the federal government portfolio, DND army bases, office buildings, shopping centres and residential complexes.

We offer support to our clients on a deeper, more meaningful level by working closely with you to understand your needs as well as your outcomes. Based on this understanding, we are able to offer advanced solutions that will enhance your systems and benefit your business.

RYCOM is passionate about delivering results to your project, whether it is achieving energy savings, simplifying your building management system, or providing high-level tenant comfort and safety.

RYCOM Data Intelligence Solutions

Our individual Data Intelligence modules can be customized in the way that best fits your project's specific needs. The solutions we offer include:

Data Analytics and FDD

- Proven practice using building systems data to identify faults and opportunities to enhance energy and operational performance.

Utility Management

- Track utility costs or consumption over time or against an annual budget.
- Forecast an upcoming year's utility budget or to allocate costs to tenants.

Energy Management

- Track energy performance against a weather normalized baseline or benchmark.
- Perform measurement and verification for implemented energy improvement measures.

Vibration Analysis

- Reduce reliance on moment-in-time findings from a vibration contractor by monitoring equipment vibrations on an ongoing basis.
- Prevent expensive failures by performing predictive equipment maintenance and avoiding resonant frequencies.

Occupancy Sensing

- Gather occupancy data from existing building systems or install new occupancy sensing technology.
- Provide and visualize a total building or area occupancy count.

Master Systems Integration & Single Pane of Glass

- Create integrations between disparate building systems.
- Visualize data from disparate systems together or generate representations of real time system operations across the building.

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To learn more about data intelligence and the benefits of using RYCOM as your preferred partner for your smart building systems project, please contact us at data.intelligence@rycom.com