



Enhance Your Smart Building Strategy with a Proven Sub-Metering Solution

Sub-Metering is an integral aspect of building management, to track electricity consumption in individual suites and offices, monitor a building's energy performance, and encourage energy conservation. Trilliant's wireless Sub-Metering solution makes the whole process simpler and more functional, starting with the Trilliant MC-5c.

The Trilliant MC-5c

The MC-5c panel meter is a compact revenue grade multi-meter with numerous communications options and optional pulse input from up to 48 other meters. With a size of only 18.2" H x 10.70" W x 6.1" D, it is about the size of a regular backpack and fits inside a small electrical closet – maximizing precious real estate for developers. It is also ideal when using existing infrastructure in retrofit projects and even implementing EV charging station monitoring.

Among the key communications features is a NEW wireless communications option via Trilliant LPWAN – proven to deliver ultra-wide coverage outdoors and unparalleled penetration capabilities for in-building applications. Once robust indoor wireless connectivity is setup, additional applications such as water, heat/cool Sub-Metering, and even leak detection is a seamless experience with other Trilliant LPWAN-enabled products.

Other features and technical details:

- Measurement Canada approved for legal tenant billing
- Measures KWh, KW demand, V, A, Power Factor
- **Commercial:** meters up to 8x 3P4W loads or 12x 600V Delta loads
- **Residential:** meters up to 12 240V loads or 24 120V single phase loads
- Available for any voltage: 120/208V, 240V, 277/480V, 347/600V and 600V Delta
- No need for tenant shutdown during reverification
- **Communication options:**
 - Trilliant LPWAN
 - RS-485 DLC
 - PLC (Power-line Carrier)
 - BACnet
- Pulse Inputs: can accept up to 48 pulse inputs from gas, water, thermal meters
- Drastically reduces per meter point costs for tenant billing, energy management or LEED M&V

Trilliant is the leading provider of turn-key Sub-Metering solutions for high-rise, multi-family, and commercial applications. Our proven technology is the gold standard in delivering cost-effective and future-proof Sub-Metering solutions for accurate Tenant Billing, Energy Management and LEED M&V applications.

DISCOVER THE *Power Of Choice*





Trilliant MC-5c + Trilliant LPWAN

Residential & Commercial Applications

Measurement Canada and UL-C approved Utility grade kWh meter

- Monitor up to 24 single-phase, 12 two-phase, 8 three-phase meters
- Two-year warranty

Integrated Trilliant LPWAN for wireless communications

- Eliminates conduit and wirings

Interval usage data (configurable)

- Power outage, demand resets, tampers, and other events
- NVM for storing all metrology data

Smart Meters for All Applications

In addition to the Trilliant Spectra Meter for residential and C&I applications, our device-independent platform enables you to use the best tool for the job:

- Aclara I-210+c
- Aclara kV2c
- L+G Focus AXe
- More than 300 other vendors and partners



The Power of Choice

When it comes to socket-based uses cases such as townhomes, multi-family homes, etc., Trilliant offers the Power of Choice so you can select the best ANSI socket meter for your project whether in terms of cost or function without compromise. We offer a variety of Trilliant-enabled Smart Meters for residential and commercial applications.

Should the meters be deployed in the vicinity of a building with wireless sub-metering infrastructure, no additional infrastructure is required.

Trilliant has vast integration expertise in the ANSI market having integrated with the majority of North American meter manufacturers. We continuously work with meter manufacturers to evaluate new integrations and partnerships.

From Sub-Metering to Smart Buildings

Through our Smart Buildings Initiative, Trilliant offers a clear path for any building, regardless of age, to enjoy the

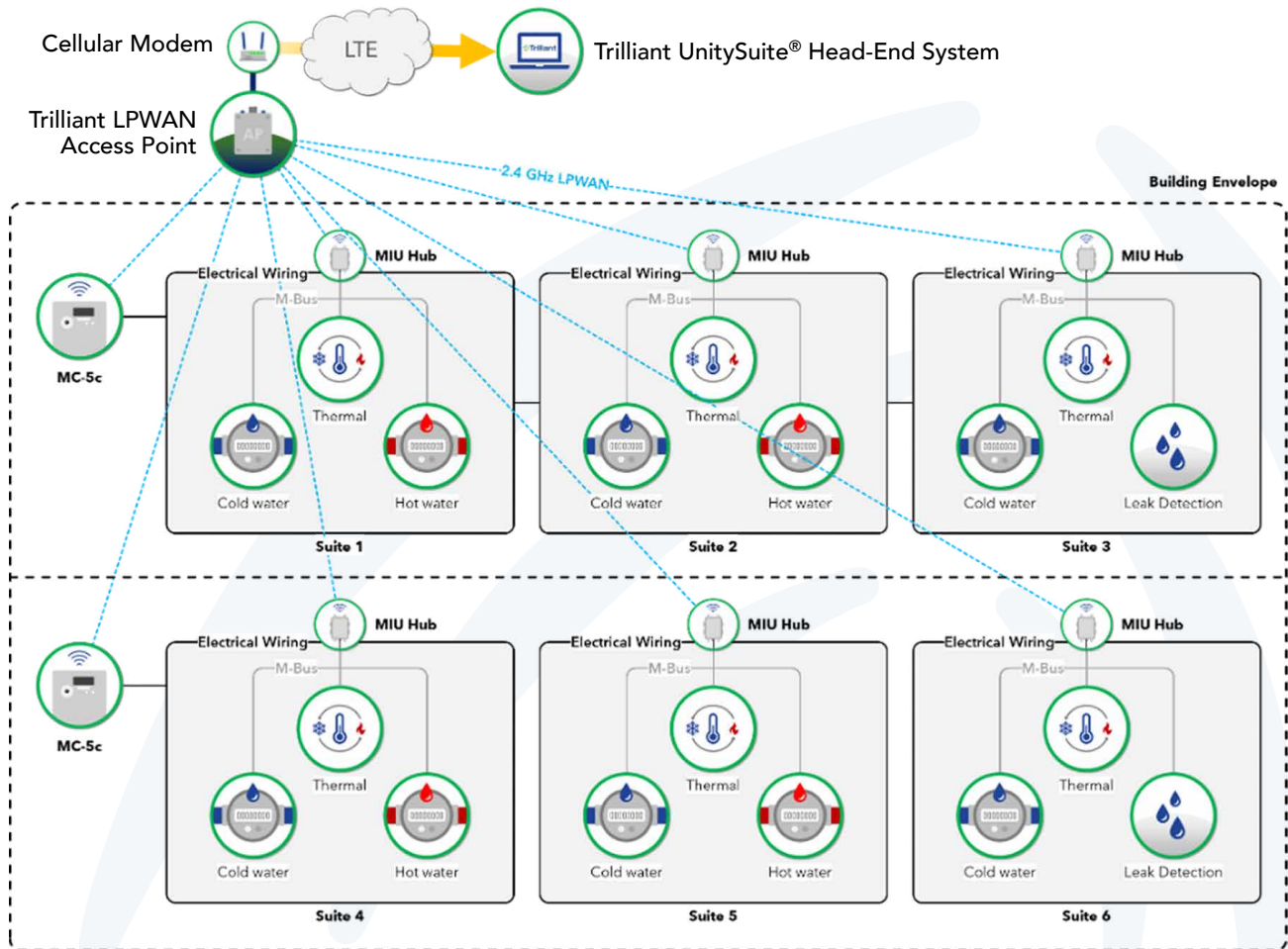
benefits of technological advancement and participate in sustainability initiatives, improve efficiency, and encourage responsible resource consumption.

Electricity Sub-Metering is certainly the foundational application, and its integration Trilliant LPWAN wireless infrastructure allows you to add water and heat-cool Sub-Metering quickly and seamlessly to the same wireless network. A dedicated powered device in each suite – the MIU Hub – aggregates data via several inputs for wired protocols, such as UI-1203, M-Bus, and sends them over the Trilliant network to a common Trilliant UnitySuite® Head-End System.

Trilliant's Power of Choice portfolio offers interoperability with multiple meter types from different manufacturers such as: Sensus, Kamstrup flowIQ® and Multical® series, Spire MT. As with electric meters, Trilliant leverages its integration expertise in the Smart Buildings space to work with device manufacturers to evaluate new integrations and partnerships.

Not only does this approach simplify troubleshooting over the years of operation, it also virtually eliminates high upfront costs of hundreds of meters of cabling with a traditional fully wired solution. Furthermore, it makes deployment of new apps difficult since each requires its own dedicated cable infrastructure, protocol gateways, and Head-End Systems.

Wireless Sub-Metering Solution Architecture



Learn more by reviewing our recent articles:

- [Read our blog](#) that focuses on how Trilliant empowers submetering in Canada
- [Review our customer snapshot](#), highlighting implementation of our smart metering water solution that solved a wireless solution challenge in a Toronto townhome complex
- [Check out our Golden Horseshoe partner snapshot](#) that highlights how Trilliant and GHMS worked together to implement a residential metering system and IIoT platform that helps improved energy management

Questions, comments: info@trilliant.com

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