

InCoax whitepaper on sustainability and cost gains by reusing coax for multi-gigabit broadband in MDUs

MoCA Access-based Fiber Access and FWA extension cost-effectively reduce in-building construction and can cut CO2e per home by up to 75% versus installing new in-building cabling.

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InCoax Networks has released a whitepaper for operators, property owners and investors, on how to cost-effectively modernize broadband in existing multi-dwelling units (MDUs) while improving the environmental footprint of deployment. The whitepaper, "[Enhancing MDU broadband sustainability with MoCA Access technology](#)", explains how MoCA Access repurposes existing in-building coaxial cabling to extend fiber or Fixed Wireless Access (FWA) performance to each apartment with minimal disruption.

Brownfield MDUs remains one of the toughest (and most important), parts of the connectivity challenge across markets. In North America, sustainability has received less attention in parts of the public debate in recent months, but it continues to play a pivotal role in Europe and in the investor community. At the same time, the cost focus is just as strong there as in all other markets.

Upgrading in-building networks can be slowed down by disruption to tenants, complex permissions, high installation costs and long payback times. Reusing the in-building coax networks already in the walls changes that equation. It reduces construction work, accelerates time-to-revenue and supports digital inclusion, while also reducing material use and site activity.

Key sustainability and business case findings highlighted in the whitepaper:

- Reuse of existing coax can reduce CO2e per home by up to 75% compared to producing and installing new in-building cabling (conclusion based on Fiber Broadband Association estimates cited in the paper).
- Low power design: typical MoCA Access DPUs consume about 35 W and in-apartment NTE modems about 4 W, with an operational footprint of roughly 25-30 kg CO2e/year/home in the referenced model.
- CAPEX in brownfield MDU upgrades can be reduced by approximately 30-50% versus full in-building FTTH retrofits by avoiding new indoor wiring.
- Deployment speed and time-to-revenue improve because most work happens in existing technical spaces and apartments can be activated with minimal disturbance.
- Enables digital inclusion by cost-effectively connecting more households faster, with less disruption for tenants and less invasive work in existing buildings.
- MoCA Access delivers symmetrical broadband speeds up to 2.3 Gbps with low latency and can be paired with either fiber or FWA backhaul depending on local conditions and economics.

"What matters is measurable outcomes: less construction, lower energy use, and faster upgrades that bring cost-effective and reliable multi-gigabit services to more households, supporting digital inclusion. The whitepaper helps operators, property owners and investors evaluate both the business case and the sustainability impact of a brownfield MDU strategy, supporting corporate sustainability targets and the ESG targets many institutional investors work with", says Robert Morau, Marketing & Communications Director at InCoax Networks.

For the investor community, the theme is capital efficiency with measurable ESG progress. A faster, less invasive in-building upgrade model can improve return profiles by reducing up-front spending, shortening implementation cycles and enabling revenue earlier in the project timeline, while also contributing to portfolio ESG targets, including the social dimension through digital inclusion.

InCoax is also continuing to strengthen its own ESG improvement ambitions and transparency, which may be relevant for institutional investors assessing the company, including those considering an investment in InCoax shares.

About the author

Robert Morau, Marketing & Communications Director at InCoax Networks AB

Robert Morau leads global marketing and communications at InCoax Networks, a pioneer in MoCA Access-based fiber fixed wireless access (FWA) and 5G FWA extension solutions. He represents the company in the Multimedia over Coax Alliance (MoCA®) marketing group and is an active contributor within the Broadband Forum (BBF).

With an extensive background in global executive marketing and communications roles, Robert has co-authored numerous thought leadership articles in leading broadband industry publications over the past five years, highlighting the role of pragmatic, high-performance technologies in accelerating broadband deployment and digital inclusion.

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About InCoax Networks AB

InCoax Networks AB (publ) re-purposes existing property coaxial networks in fiber and fixed wireless access (FWA) extension deployments for Communication Service Providers (CSP) globally.

The technology is a high performance, future proof, reliable and cost-effective complement, that reduces installation time and improves take-up rate, to boost digital inclusion and Internet access for all. www.incoax.com

To keep updated on corporate information, visit incoax.com. Vator Securities AB, tel. +46 8-5800 6599, ca@vatorsec.se, is acting as the company's Certified Adviser.