Your network.
Simplified.

Would you like a new, simpler way of designing your building's IP network?

Corning's in-building network solution is our visionary fiber- and power-deep topologies that anticipates 5G-ready connectivity inside buildings, with the ability to converge multiple technologies over a single, simplified infrastructure.

By combining the core in-building networks — LAN, power, and cellular — onto one fiber-based backbone, a comprehensive solution for Enterprise and Carriers is created. Simplified and scalable, our in-building network solution replaces multiple,

independent, legacy-based category and coaxial cabling architectures, making them a thing of the past.

fiber- and power-deep
network topologies

How does it work? By taking the inherent advantages of fiber and bringing it out from the IT closet, into and throughout the building and development infrastructure, our solution enables a high-performing fiber infrastructure that can deliver more services, applications, and enhanced features. It can handle the requirements of multiple network technologies, including:

LAN | Cellular | Video |
Building management systems | SDN LAN

And key applications such as:

DAS | Small Cells | Wi-Fi | Surveillance | VoIP |
IPTV | POS, and other internet-based applications

All this, with up to

33%

initial CapEx savings and
lower total cost of ownership

with the lifetime of the building in mind.

Design your IT infrastructure around your building, not the other way around.

Consideration of power consumption, distance, and space for various electronic components along with ancillary gear to support them typically forces businesses to design their buildings around their IT infrastructure, as opposed to designing their IT infrastructure around their building. Our in-building network solution furthers the in-building horizontal reach of optical fiber, enabling a combination of the key components of LAN, remote power, and enhanced cellular solutions for your facility, creating a robust, secure, and reliable connected experience for users throughout your building.

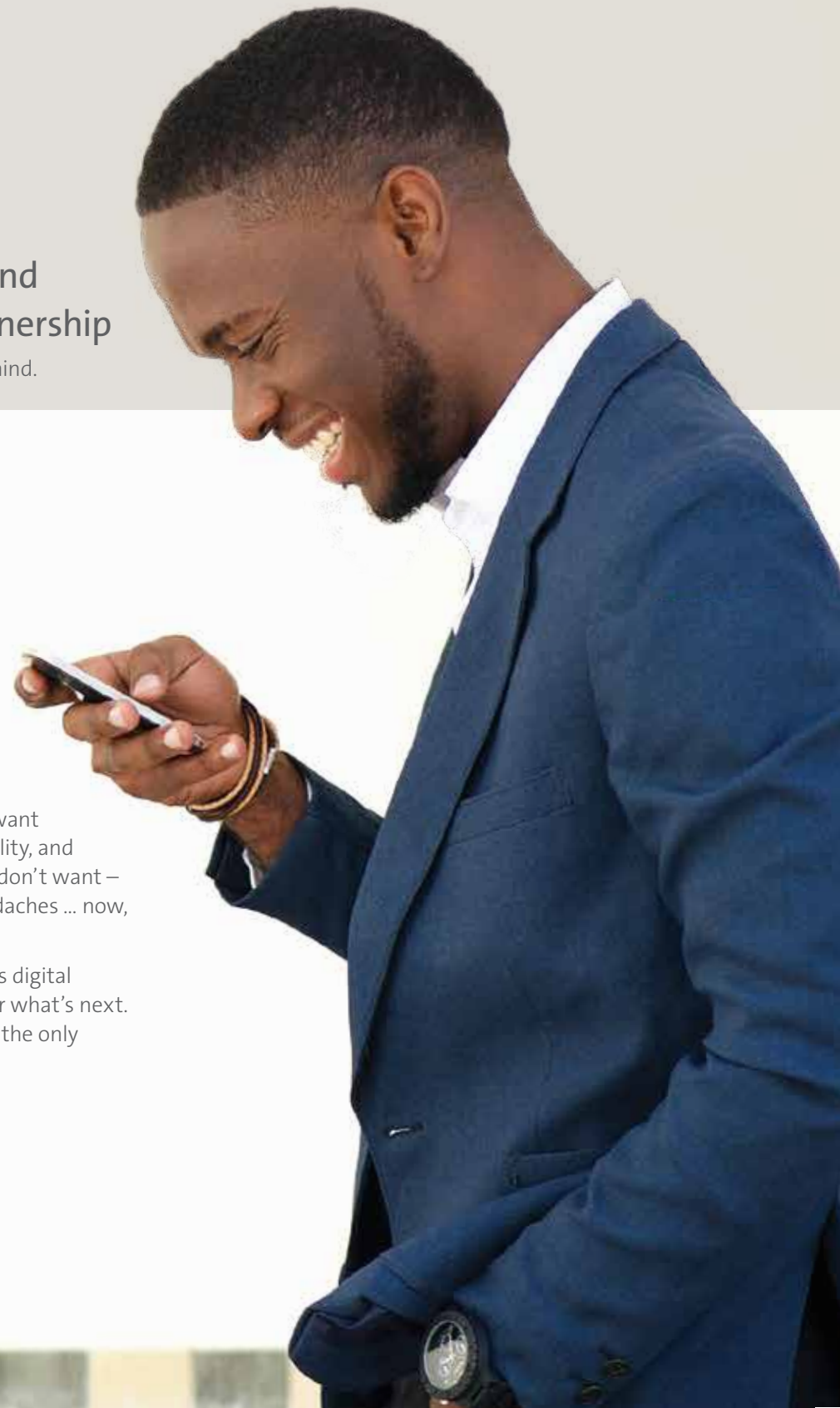Corning's in-building network solution empowers you to design your building's IP network differently so you can achieve more of the things you want – such as performance, scalability, flexibility, and adaptability – and less of the things you don't want – such as cost, clutter, disruption, and headaches ... now, and for the lifetime of the building.

Choose a solution that will deliver today's digital experience, and prepare your network for what's next. Corning's in-building network solution is the only solution you'll need.

End-User Experience (Customers, Tenants, Guests, Fans)

Wi-Fi	POS	VoIP	IPTV	A/V	BMS

Mobile Devices	Internet of Things	Access Control	Smart Lighting	Surveillance

Corning's In-Building Network Solution

Software-Defined LAN (SD-LAN)

Decouples hardware and software layers, utilizing intelligence to reduce the cost of network switches, to centrally manage networks and to offer upgrades with flexible topology options.

Includes: software-defined data planes and software-defined access nodes.

Remote Powering Solutions

Complement the distance and simplicity of fiber optics with safe delivery of high and low voltage to the edge, while saving labor costs and enabling PoE smart building solutions.

Includes: power supply units (PSU-6) and composite cabling.

Cellular Solutions

Our cellular solutions offer capacity and coverage across the property with flexible options between distributed antenna system (DAS) and small cell. We have you covered, from small office buildings to large public venues.

Includes: active headend equipment, remote access units, and software management.

Optical Fiber Infrastructure

Easy, compatible, and comprehensive structured cabling solutions that enable data connectivity throughout the building and campus.

Includes: hardware, cabling, and, connectivity.

With our in-building solution as the backbone of your building's network, you can prepare for tomorrow's challenges today. Visit www.corning.com/in-building to learn more.

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