

Fixed Access Network solutions



Simplifying long-lasting networks with high-performance solutions



Structure

Maximise the performance of your system with space-saving fiber management for both indoor and outdoor connectivity.



Enhance

Get the most out of your existing system with bandwidth expansion, RF video overlay or an upgraded HFC, DAA/CIN network.



Drive

Take clear steps toward a future-ready system through optical circuit switching and the continuous support of our specialists.

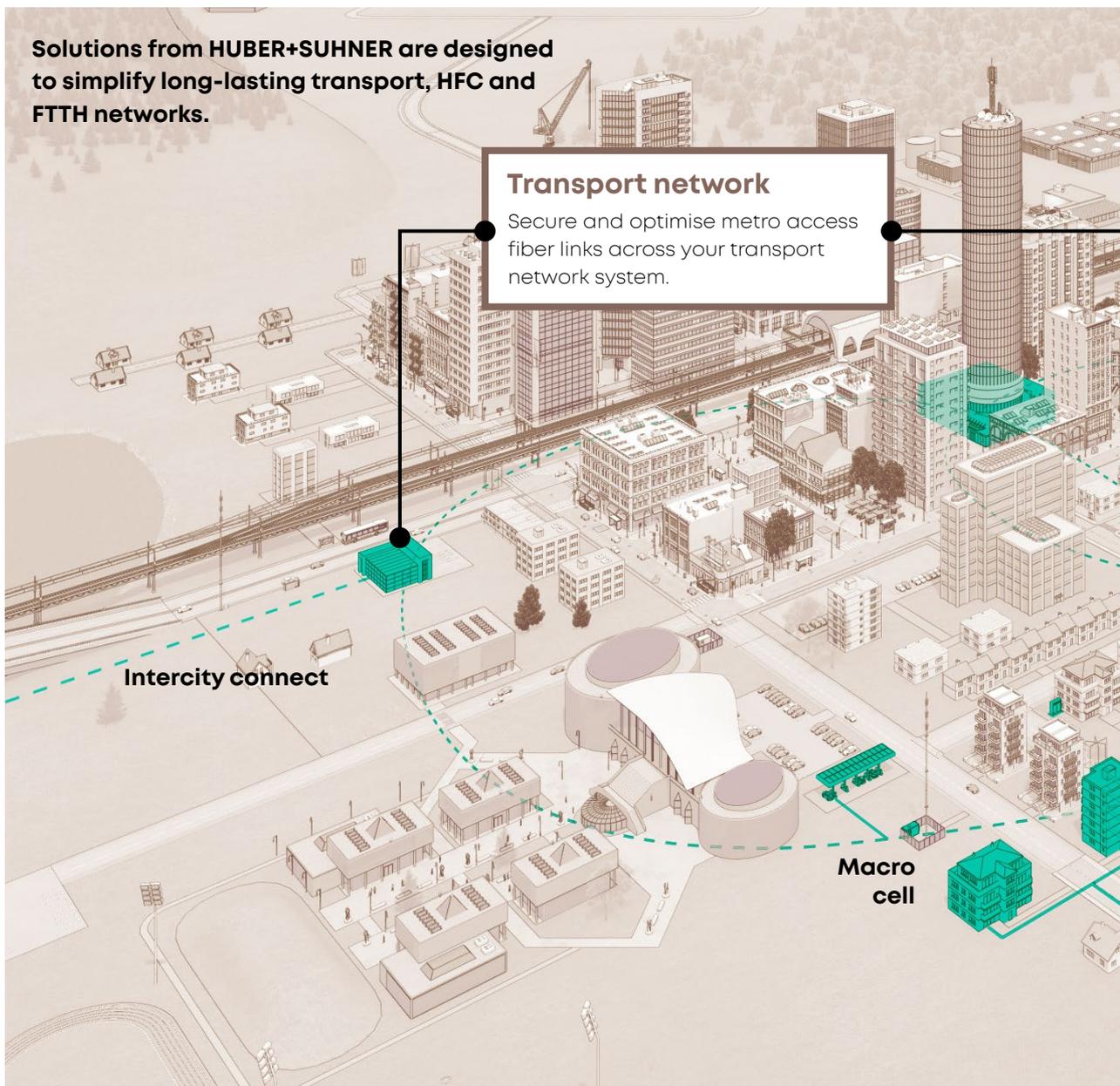
Solutions from HUBER+SUHNER are designed to simplify long-lasting transport, HFC and FTTH networks.

Transport network

Secure and optimise metro access fiber links across your transport network system.

Intercity connect

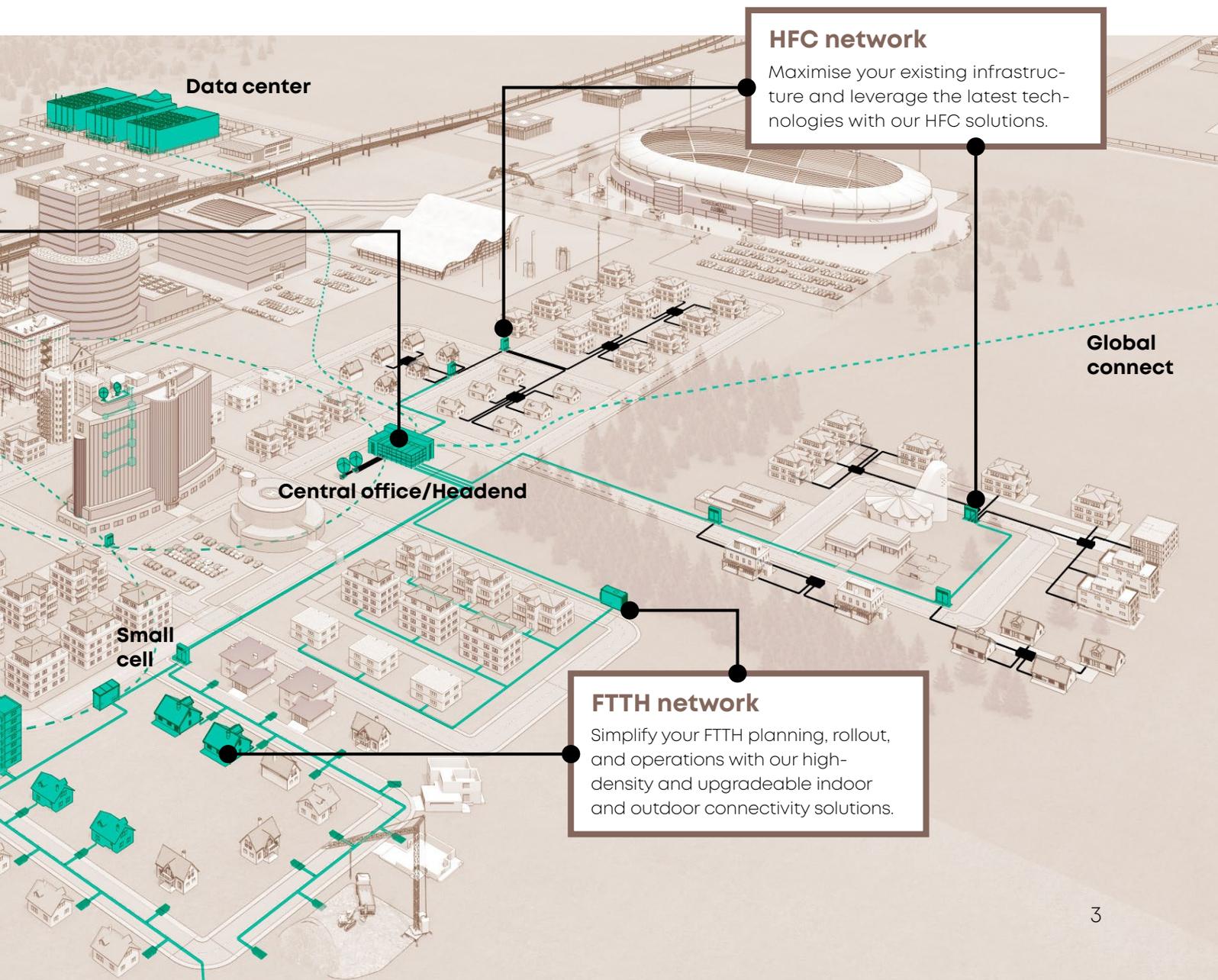
Macro cell



At HUBER+SUHNER, we support you in building and maintaining an easy to-install, long-lasting and future-ready network.

Our continuous ambition is to connect homes and businesses everywhere to an accessible, reliable, and fast fixed access network at a low Total Cost of Ownership (TCO).

Find more information about our solutions for the fixed access network, data center, the mobile network backbone and much more on our website hubersuhner.com.



Transport network

We support you in securing and optimising metro access fiber links across your transport network system.

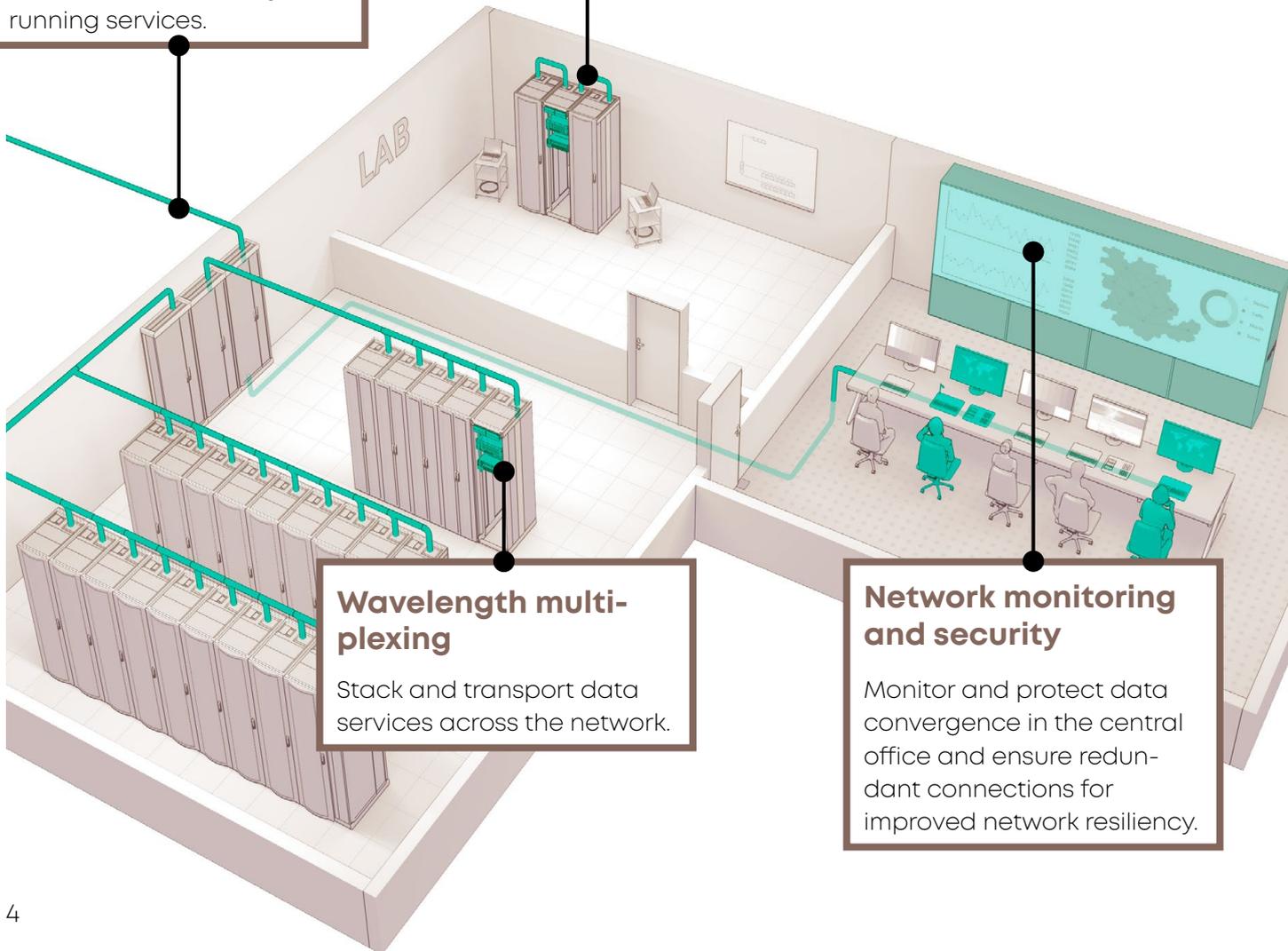
Our solutions enable you to set up a software-driven zero-touch system that meets both current and future requirements.

Benefits

- Small footprint
- Service protection
- Software-driven optical circuit switching
- Unbranded transceivers

Metro/Core connectivity
Interconnect your central offices with reliable and service-aggregated optical links, and maintain the system without interfering with running services.

Lab automation
Measure combinations, validate future equipment, and test the entire system in a safe environment.



Wavelength multiplexing
Stack and transport data services across the network.

Network monitoring and security
Monitor and protect data convergence in the central office and ensure redundant connections for improved network resiliency.

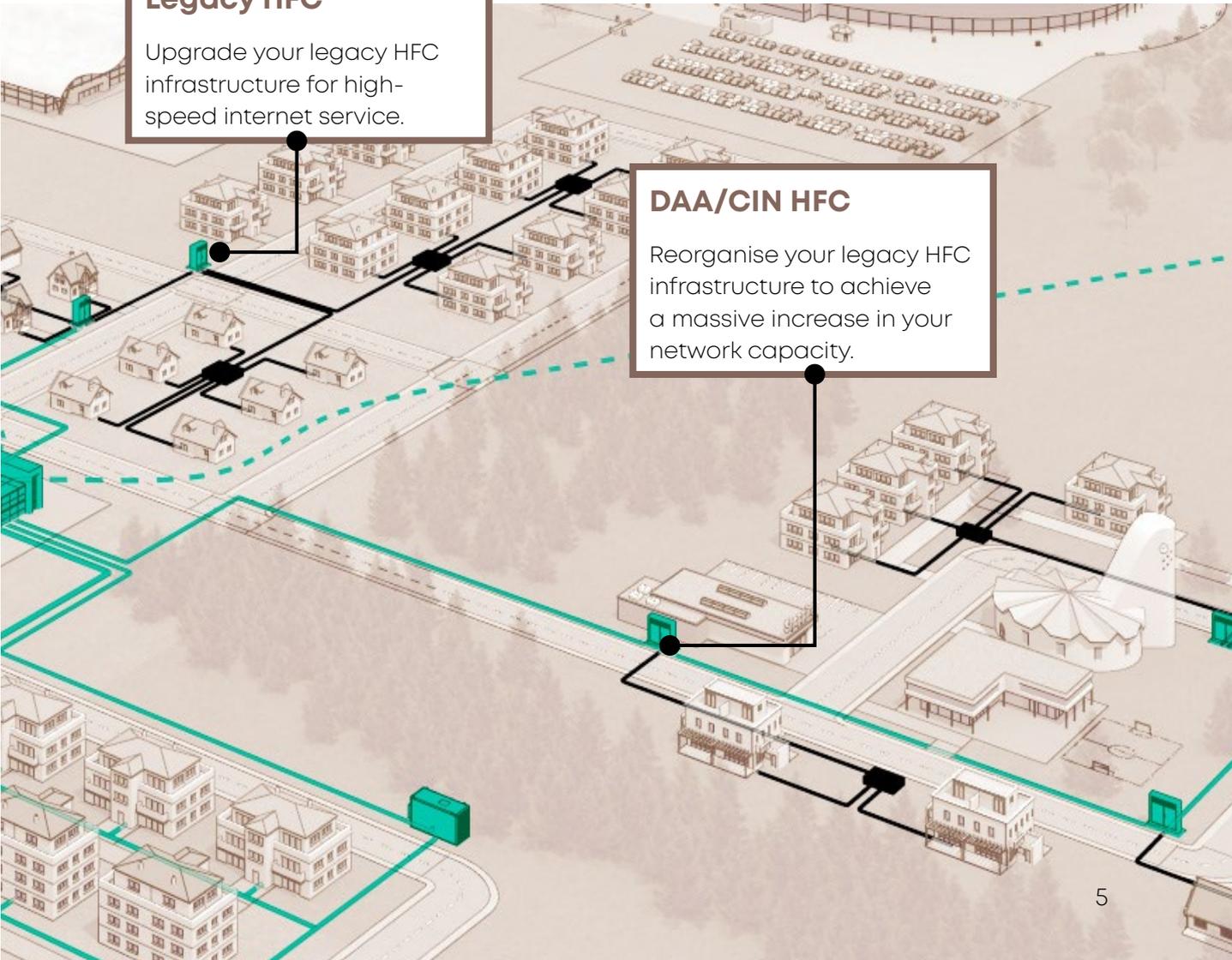
HFC network

We support you in maximising your existing infrastructure with our efficient Hybrid Fiber Coax (HFC), Distributed Access Architecture (DAA) / Converged Interconnect Networks (CIN) solutions, that allow you to transfer larger volumes of data within your existing infrastructure.

With customer-friendly operations and maintenance, our solutions easily relieve capacity constraints in your network.

Benefits

- Faster broadband access (DOCSIS)
- Low power consumption
- Various form factors
- Newest chipsets
- Network planning support



The diagram shows an aerial view of a city street grid. A network of fiber optic cables is overlaid on the streets. A solid black line represents the 'Legacy HFC' network, which is a tree-like structure where a single main line branches out to individual buildings. A dashed green line represents the 'DAA/CIN HFC' network, which is a more complex, multi-path structure that allows for higher capacity and faster access. Two callout boxes with black borders and white backgrounds provide text descriptions for each network type. The background is a light brown color with a grid of streets and buildings.

Legacy HFC

Upgrade your legacy HFC infrastructure for high-speed internet service.

DAA/CIN HFC

Reorganise your legacy HFC infrastructure to achieve a massive increase in your network capacity.

FTTH network

We support you in organising your fiber connections and building a future-ready system with our solutions for the FTTH network.

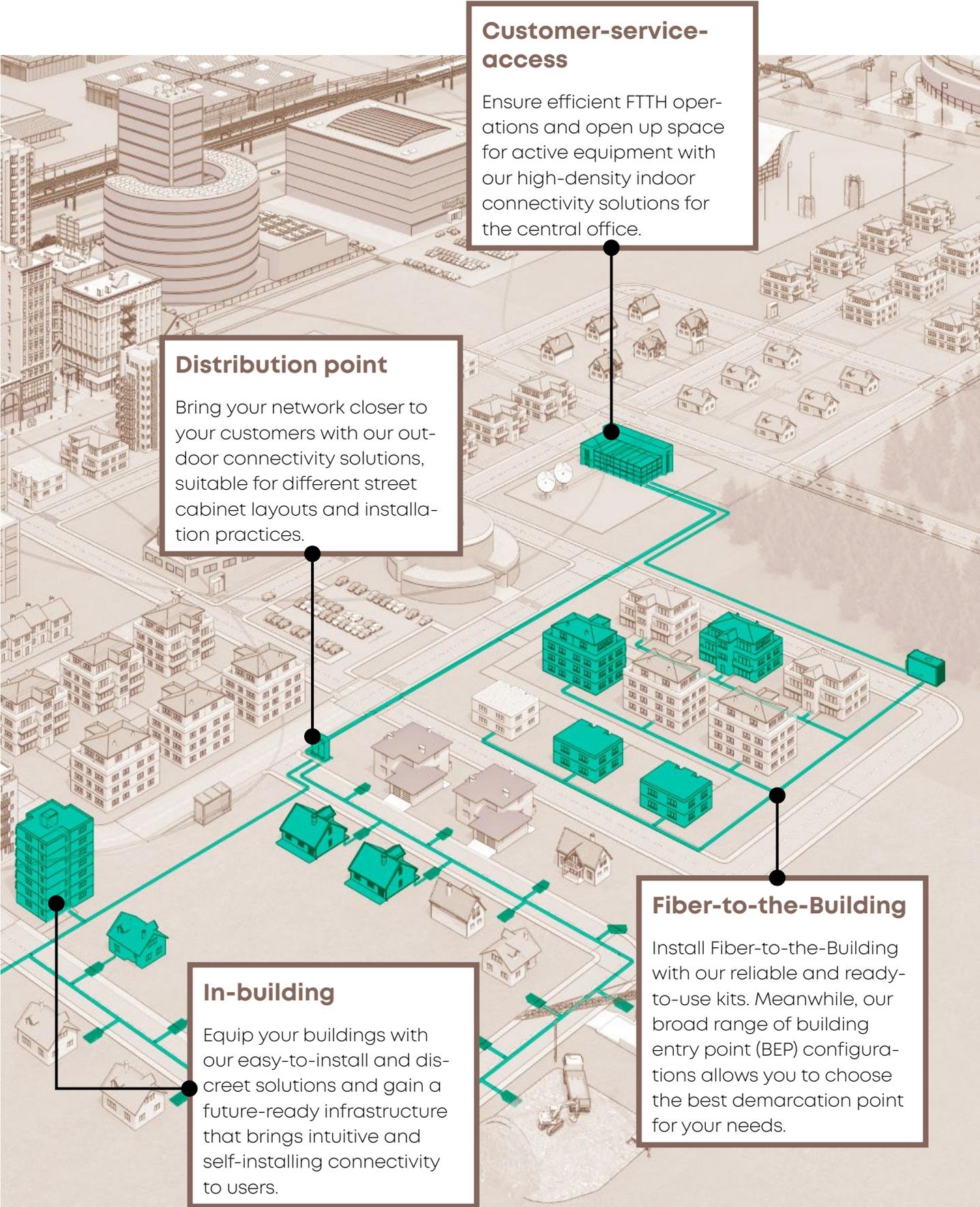
With our dedicated structured cabling, fiber management, and RF video overlay solutions, we enable a flexible, modular and intuitive system that is easy to operate, maintain, and upgrade.

Our versatile portfolio enables you to save space and choose an aesthetic for customer premise equipment (CPE) that blends in with its surroundings, regardless if applied in homes, offices, data centers, central offices, or distribution points.

With a long-lasting infrastructure and a small footprint, you will set your system up for growth, while allowing fast, easy and cost-efficient operations.

Benefits

- Long-lasting infrastructure
- Intuitive handling
- Full compatibility
- Small footprint and high-density connectivity
- Discreet installations



Customer-service-access

Ensure efficient FTTH operations and open up space for active equipment with our high-density indoor connectivity solutions for the central office.

Distribution point

Bring your network closer to your customers with our outdoor connectivity solutions, suitable for different street cabinet layouts and installation practices.

Fiber-to-the-Building

Install Fiber-to-the-Building with our reliable and ready-to-use kits. Meanwhile, our broad range of building entry point (BEP) configurations allows you to choose the best demarcation point for your needs.

In-building

Equip your buildings with our easy-to-install and discreet solutions and gain a future-ready infrastructure that brings intuitive and self-installing connectivity to users.

Our areas of expertise

Our solutions for the fixed access network are specifically designed to speed up installation while ensuring the long-term performance and stability of your system.



Indoor connectivity

With our high-density structured cabling solutions you will free up space for active equipment, while our high-speed customer premise equipment (CPE) offers discreet aesthetics and intuitive installation.

Products

- Fiber management (LISA & SYLFA HD)
- Splitter solutions (SFO)
- Optipack
- Structured cabling systems
- Optibox
- Standardised fiber connectors



Outdoor connectivity

We design and manufacture our robust connectors and enclosures to withstand a wide range of outside environmental factors, including temperature ranges, ambient humidity levels, precipitation, UV exposure, and local natural influences.

Products

- Fiber management (LISA & SYLFA HD)
- Buried solutions (RESA)
- Hardened splitter solutions (SFO)
- Hardened fiber connectors (Q-ODC)
- Masterline Classic & Ultimate
- Local portfolio



Optical circuit switching

With our optical circuit switching solutions, you will be able to take a significant step towards a Software Defined Network (SDN) by automating processes and operations and managing them remotely.

Products

- Network matrix switches
- Instrumentation matrix
- Optical switching modules

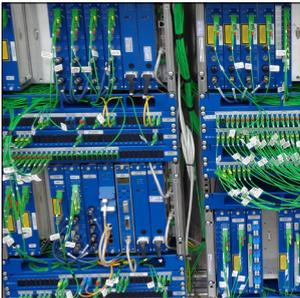


Bandwidth expansion

Bandwidth expansion enables you to seamlessly increase the bandwidth in your network using your existing infrastructure. With our compact and high-density solutions you will increase the potential of your system without needing more space.

Products

- Service stacking (WDM solutions)
- Add/Drop Multiplexing (OADM WDM)
- Optical transceivers
- Optical demarcation (ODD)
- Media converter
- Customer premise equipment (CPE)



Legacy HFC

Our legacy HFC portfolio is a one-stop shop for a wide range of customised optical and radio frequency (RF) equipment for both indoor and outdoor connectivity aiming to upgrade your legacy HFC network.

Products

- Optical transmitter & receiver
- Optical amplifier
- RF amplifier
- Taps



DAA/CIN HFC

Integrating DAA and CIN into your system brings multi-gigabit data rates to your premises. Our scalable solutions offer a seamless and easy migration path ensuring smooth upgrades in your system.

Products

- WDM Mux/Demux
- Aggregation switches
- WDM transceiver
- Optical band amplifier
- Remote PHY
- RF amplifier
- RF taps



RF video overlay

Our RF video overlay solutions enable you to build a comprehensive and stable TV package while simplifying network planning. Additionally, you will achieve reduced capacity constraints by offloading real-time video traffic from the IP network.

Products

- Satellite transmitter (Profi-SAT)
- Optical transmitter
- Optical power splitter
- Optical amplifier (indoor/outdoor)
- TV Blocker
- CPE with CATV receiver

Consultancy services and global support

Find peace of mind by working with a global partner with deep expertise and high attention to detail.

Our knowledgeable and dedicated experts work with you to simplify planning and identify suitable solutions for your specific needs. Our local specialists provide you with customisation options that make sure that our solutions fit your needs perfectly.

Together, we set up a fixed access network infrastructure that is easy to install, future-ready and long-lasting.



Our journey to a sustainable future

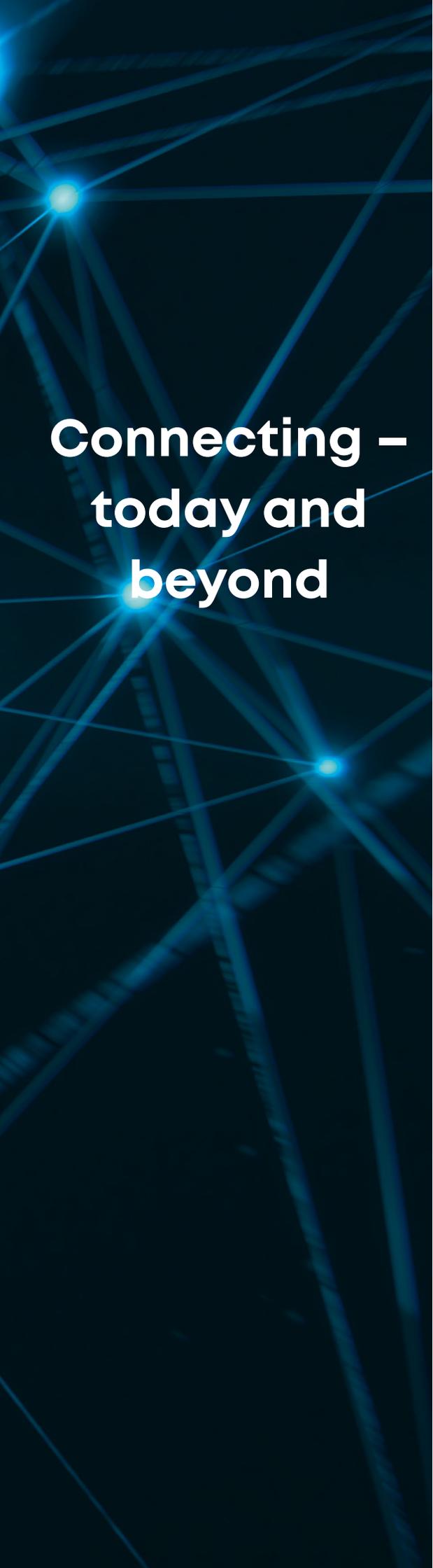
HUBER+SUHNER considers care for society and the environment an important and vital aspect of its corporate responsibility.

We have embarked on an exciting journey guided by and committed to the ten principles of the United Nations that will lead us and our stakeholders to a sustainable future.

Every day, we strive to continuously improve our environmental performance and make the most efficient use possible of raw and auxiliary materials, energy and water.

Learn more about our corporate responsibility efforts by visiting:
reports.hubersuhner.com





Connecting – today and beyond

About HUBER+SUHNER

We are a leading global supplier of components and systems solutions. With our broad range of products and deep know-how, we serve the industry, communications and transportation markets with applications from the three technologies of radio frequency, fiber optics and low frequency. And as a global company with a presence in over 80 countries, we stay close to our customers. Always.

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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, OHSAS 18001, EN(AS) 9100, IATF 16949 and ISO/TS 22163 – IRIS.

Waiver

Fact and figures herein are for information only and do not represent any warranty of any kind.