



Blown Fibre Unit (BFU)

Better Technology through Innovation

MADE TO CONNECT

Building Entry and Internal Fibre

HellermannTyton are leaders in product innovation and development when it comes to home connections, fibre to the home and all last mile fibre applications.

By incorporating a Blown Fibre Unit (BFU) as the initial fibre feed into the home, we enable a flexible, efficient, and future-ready approach to fibre delivery.

With an extensive range of purpose-designed and engineered products, we provide a connectivity solution for every aspect of your fibre network, from the street directly into the building and through to internal distribution. Our solutions support seamless fibre installation using microduct infrastructure, allowing fibre to be deployed quickly and with minimal disruption.

From building entry to internal fibre routing within the property, HellermannTyton have developed a number of products to give homeowners and residents increased flexibility in positioning their broadband ONT and router.

Our duct manufacturing facilities allow us to offer a wide selection of sizes and bundled configurations, delivering world-class connectivity from point to point and providing our customers with a one-stop shop for all their network requirements.



HellermannTyton
CONNECTIVITY

 **gabocom**
a HellermannTyton Company

HellermannTyton
ESTONIA



Individual Strengths. One Integrated System.

HellermannTyton Connectivity (UK) brings deep market insight and close customer collaboration, with a strong focus on practical deployment needs and real-world network operation. Its expertise in fibre management, innovation-led development and responsive local support helps customers design and implement solutions that are efficient, reliable and aligned with evolving UK and international network requirements.

gabocom (Germany) contributes decades of engineering excellence and a strong system-driven mindset. Known for precision design, robust product development and long-term performance, gabocom specialises in creating technically advanced fibre management solutions that deliver proven system integrity across complex network environments.

HellermannTyton Estonia (Estonia) adds advanced manufacturing capability and industrial efficiency, enabling high-quality, scalable production with consistent performance. With a strong focus on manufacturing excellence, process reliability and supply continuity, the Estonian operation ensures that system solutions are delivered with dependable quality and long-term availability.

Together, these complementary strengths form a unified capability, combining local market understanding, engineering precision and manufacturing excellence.

HellermannTyton Telecoms delivers a unified approach to fibre infrastructure across the entire network.

Our solutions are designed to provide structured, reliable and scalable fibre management from network handover through to internal network pathways.

Built to support a wide range of deployment models, our portfolio enables efficient network roll out while maintaining flexibility for future expansion.

Combined with our own manufacturing capabilities and a broad system portfolio, we offer robust, future ready connectivity and a reliable one stop solution for modern fibre networks.

Reducing Street Clutter with Smarter Underground Access Solutions

As fibre rollouts accelerate, the increasing volume of telecoms infrastructure can quickly impact streetscapes, leading to congestion, restricted access, and poor curb appeal. An efficient approach is to move key network access points below ground, creating cleaner, more discreet installations without compromising performance.

Our CCPXXL enclosure and TobyBox300 chamber work together to deliver a streamlined, future-ready solution for managing the final connection between network and customer.



Increased Deployment

As demand for high-speed internet and digital services continues to rise, there will likely be increased investment in last mile infrastructure deployment.

Governments, telecommunications companies, and internet service providers recognise the importance of reliable, high-speed connectivity for economic growth, education, healthcare, and overall quality of life.



Gigabit and Beyond

FTTH / FTTP networks will continue to push the boundaries of speed, with gigabit-per-second and even multi-gigabit-per-second connections becoming more common.

As bandwidth-intensive applications like 4K and 8K video streaming, virtual reality, augmented reality, and Internet of Things (IoT) devices become mainstream, there will be a need for faster and more robust internet connections.



Symmetrical Speeds

The trend toward symmetrical upload and download speeds in FTTH / FTTP networks is likely to continue, enabling seamless two-way communication for applications such as video conferencing, cloud computing, and remote work.



5G Integration

FTTH / FTTP infrastructure provides the high-capacity backbone for 5G networks.

As 5G networks roll out, there may be increased collaboration between fibre and wireless providers to deliver ultra-fast, low-latency connectivity to end-users.



Smart Cities and IoT

FTTH / FTTP infrastructure will play a crucial role in the development of smart cities and IoT ecosystems, providing the backbone for connected devices, sensors, and intelligent infrastructure. This will require scalable and resilient fibre networks capable of handling massive amounts of data traffic.



Technological Innovations

Ongoing research and development in fibre optic technology, such as improved fibre materials, more efficient signal processing techniques, and advances in network architecture, will further enhance the performance and capabilities of last mile networks.



Environmental Considerations

FTTH / FTTP is considered a more environmentally friendly option compared to traditional copper-based networks, as fibre optic cables require less energy to operate and have a longer lifespan.

As sustainability becomes a greater concern, FTTH / FTTP may see increased adoption as a greener alternative for broadband infrastructure.



Key Features



Fibre Connections, for Every Home...

HellermannTyton is an established leader in the design of solutions for efficient below-ground fibre routing to single dwelling units (SDUs) within fibre network infrastructures.



Cleaner Installations

Reduces visible hardware on walls and façades and minimises street clutter across dense residential environments.



Improved Aesthetics

Creates a more visually appealing finish for end users and is ideal for urban and high-value residential areas.



Simplified Network Build

Efficient cable management between external network and internal connection with reduced need for additional wall-mounted equipment.



Future-Ready Infrastructure

Supports scalable fibre deployments and is fully compatible with evolving network architectures and technologies in modern network environments.

Single Dwelling Units (SDU's)

SDUs are residential properties designed to accommodate a single household or family unit. Typically, they have direct access from the street without shared hallways or corridors and may be terraced, semi-detached, or detached homes. The owner or tenant is usually responsible for the maintenance of both the building and any associated outdoor space.

When delivering fibre to an SDU, installers may encounter several challenges, including:

- Access issues and homeowner permissions
- Interior wiring considerations
- Variations in home construction and layout
- Managing customer expectations
- Regulatory and permitting requirements
- Environmental factors

One effective solution for fibre delivery in SDU environments is the use of a Blown Fibre Unit (BFU) as the initial feed into the property. Installed via a microduct pathway from the network to the home, the BFU allows fibre to be blown quickly and efficiently into place when required. This approach can help reduce installation time, minimise disruption to the property, and provide a scalable option for future upgrades or maintenance.

While every installation presents its own unique challenges, HellermannTyton offers a comprehensive range of products designed to provide ease, flexibility, and choice when installing fibre into and around the home.

This diagram showcases our SDU products and their potential installation locations (numbered **1** to **8**) within various configurations.

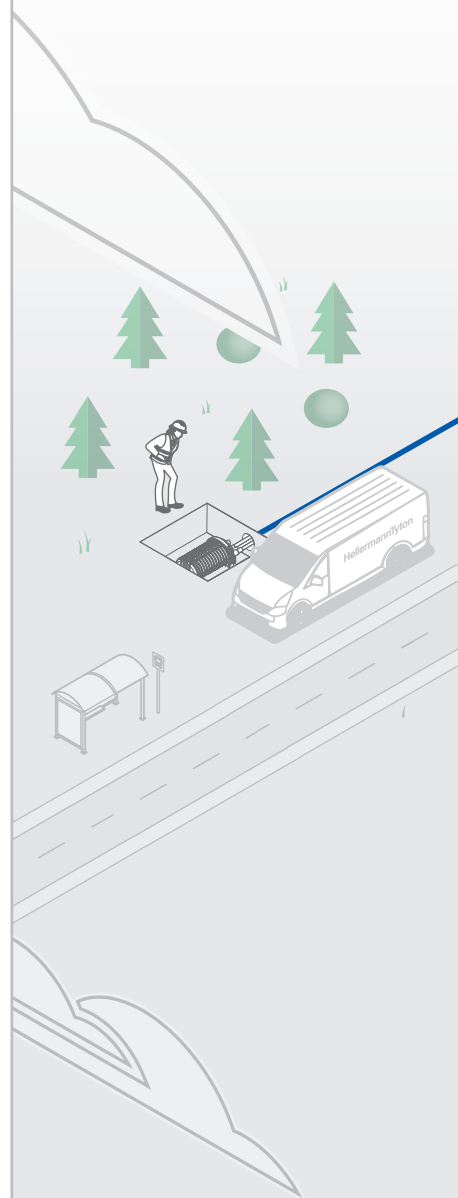
*Products and cables are not to scale.

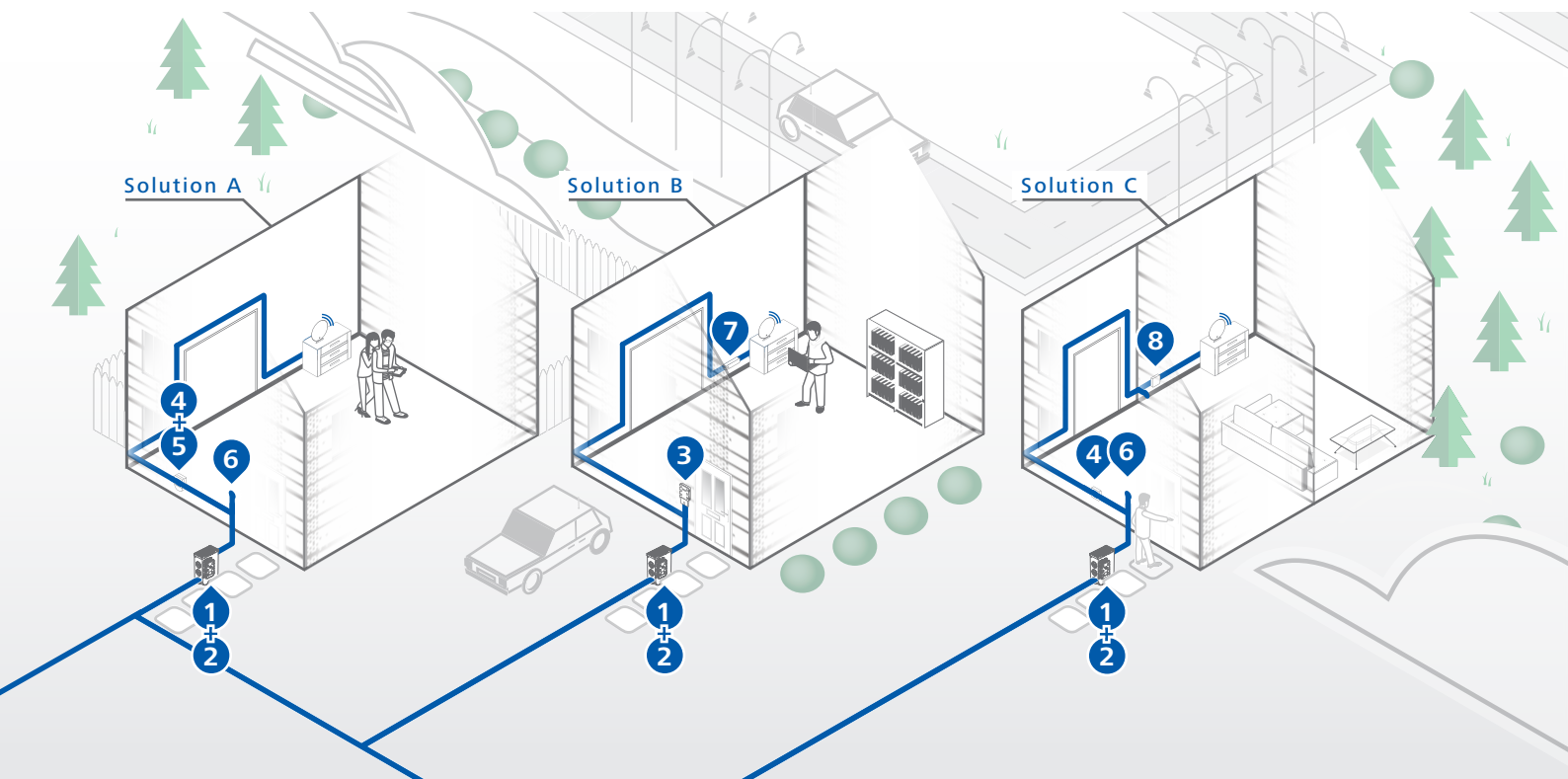


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1 TobyBox300

The TobyBox300 is a compact, underground access chamber designed to provide a clean, below-ground entry point and a convenient external demarcation and maintenance point.

More information available on Page 9.



2 CCP XXL - Customer Connection Point

The CCP XXL is a compact external Building Entry Point (BEP) designed to provide secure fibre termination and a convenient test and access point outside the premises.

More information available on Page 9.



3 CCWB - Connectorised Customer Wall Box

The CCWB is a compact, IP-rated Building Entry Point (BEP) that provides 15m of pre-installed fibre for flexible external/internal connections.

More information available on Page 10.



4 FWO - Fibre Wall Outlet

The FWO is a single gang socket size outlet. The outlet has cable entry positions at the base, rear and on each side.

More information available on Page 10.



5 FWO-EXT - Fibre Wall Outlet Extension Module

The FWO-EXT is a plug-in fibre broadband extension solution designed for use with the Fibre Wall Outlet (FWO) to provide greater in-home routing flexibility.

More information available on Page 11.



6 CWB - Customer Wall Box

The CWB is an SDU Building Entry Point (BEP) providing a fibre termination and demarcation point external to the connected property in a Fibre to the Home (FTTH) network.

More information available on Page 10.



7 Inline Adaptor Mount

The Inline Adaptor Mount range is designed to provide a secure, accessible remote connection point for SC simplex or LC duplex adaptors within the customer property.

More information available online.

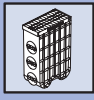


8 FFO 2.0 - Faint Fibre Outlet 2.0

The FFO 2.0 is a compact and installer-friendly fibre broadband extension kit designed to streamline fibre routing within residential and small office environments.

More information available on Page 11.





BFU – Blown Fibre Unit

Underground Fibre Delivery Solution

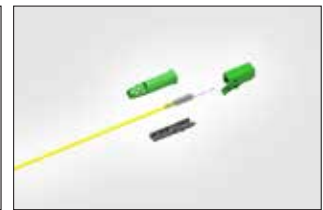
The Blown Fibre Unit (BFU) is a high-performance, pre-connectorised solution purpose-built for fast, efficient last-mile deployment, including FTTH (Fibre to the Home) applications. Designed to accelerate installation and simplify network rollouts, the BFU combines a factory-terminated connector with a blowable ferrule and bare end, ensuring seamless integration into a wide range of customer premises and access network enclosures.

Engineered for flexibility and reliability, the BFU enables rapid fibre deployment with minimal disruption, helping operators reduce installation time while maintaining consistent, high-quality performance.

Available in lengths from 25m to 300m (in 25m increments) and supplied on a compact, ready-to-use spool, the BFU offers a convenient, scalable solution tailored to modern fibre networks.

Key Features

- Pre-connectorised design for faster, simpler installation
- High-quality LC/APC Grade B connector as standard (alternative options available)
- Flexible configurations, including single fibre as standard (custom options on request)
- Wide range of lengths from 25m to 300m to suit varied deployment needs
- G657.A1 bend-insensitive fibre for improved durability and performance
- IEC 60794 compliant for assured quality and reliability



Top: Blown Fibre Unit Spool.

Bottom Left: LC/APC connector shown with blowing dart.

Bottom Right: LC/APC connector shown with blowing dart before assembly





TobyBox300

Underground Fibre Access Chamber

The TobyBox300 is a compact, underground access chamber designed to support discreet and efficient FTTH deployments. Positioned at the property boundary or kerb, it provides a convenient external demarcation and maintenance point while reducing the need for repeat excavation.

By relocating fibre connections below ground, the TobyBox300 helps minimise visible infrastructure around the property, supporting a cleaner installation while protecting network components from accidental damage or interference.

Fully compatible with the HellermannTyton CCPXXL range, the TobyBox300 integrates easily into existing access network designs and supports scalable fibre rollouts.

Key Features

- Underground installation reduces visible infrastructure and improves overall site appearance
- External demarcation point enables maintenance access without additional excavation
- Compatible with HellermannTyton CCPXXL enclosures
- Hinged lid with secure Torx fastening for controlled access
- Integrated metal washer allows location after resurfacing
- Knock-out duct entries supporting 14mm–54mm ducts
- Predrilled drainage hole to prevent water accumulation
- Manufactured from recycled, recyclable polypropylene
- Lightweight design supports fast and efficient installation
- Optional lid branding for network identification
- Tested to BS 5834-2-2011 Grade C (5kN load capacity)
- Narrow profile and contoured base for stable installation on Duct 56



Top: TobyBox300 with lid closed.

Bottom Left: TobyBox300 with lid open and CEP.

Bottom Right: TobyBox300 close-up view.



CCP XXL - Customer Connection Point

External Fibre Termination Point

The Customer Connection Point (CCP XXL) is a compact external Building Entry Point (BEP) designed to provide secure fibre termination and a convenient test and access point outside the customer premises.

Optimised for use in underground chambers such as the TobyBox300, it supports a discreet installation approach by relocating fibre entry points below ground level, reducing visible equipment on the property exterior.

The CCP XXL combines robust environmental protection with integrated fibre management, supporting consistent performance in demanding deployment conditions.

Key Features

- Designed for use in underground installations including TobyBox300
- Provides an external demarcation and test point for fibre networks
- IP68 / IK08 rated for environmental and mechanical protection
- Supports 1 customer connection
- Compatible with LC Duplex or SC Simplex adaptors
- Integrated fibre management maintaining minimum bend radius
- Internal storage for fibre routing and organisation
- Fully removable snap-on lid for easier installation and maintenance
- Dual sealed cable entry ports for watertight cable routing



Top: CCP XXL internal view with 1x LC/APC DX adaptor.

Bottom Left: CCP XXL closed external view.

Bottom Right: CCP XXL internal view with 1x SC/APC SX adaptor and bayonet base.





CWB - Customer Wall Box

Standard (CWB) and Connectorised (CCWB)

The Customer Wall Box (CWB) is a high-performance, weather-resistant enclosure designed to serve as the Building Entry Point (BEP) for your Fibre to the Home (FTTH) network. Offering a reliable fibre termination and demarcation point located externally to the connected premise, the CCWB/CWB ensures seamless network connectivity with superior durability and security.

Colours available:   

Key Features

- External fibre demarcation point for structured network handover
- Supports flexible ONT positioning within the property
- Up to 2 customer connections via LC Duplex or SC Simplex adaptors
- Integrated fibre storage ensuring controlled bend radius
- Capacity for up to 30m of 1.2mm fibre storage
- CCWB variant supports pre-terminated internal fibre for faster installation
- Cable options (CCWB):
 - Internal B2ca-rated cable
 - Indoor/outdoor B2ca easy-strip cable
- IP54 / IK07 rated protection against environmental exposure
- UV-stable polycarbonate construction for durability
- Multiple cable entry points (up to 8, supporting up to 8mm diameter)
- Mechanical cable retention and strain relief
- Tamper-resistant locking mechanism
- Removable adaptor plate for simplified installation
- Splice holder compatible with 3A and ANT splice protectors



NEW!



Top: CWB shown with LC/APC DX adaptor.
Bottom Left: CWB shown with 2 LC/APC DX adaptors.
Bottom Right: CWB shown with cover.



FWO - Fibre Wall Outlet

Standard and Connectorised

The Fibre Wall Outlet (FWO) is a compact internal termination solution designed to provide reliable and organised fibre connectivity within residential and commercial premises. Its low-profile design and flexible entry options enable discreet installation while maintaining effective fibre management and protection.

Available in both standard and connectorised variants, the FWO supports a range of installation methods, allowing installers to choose between traditional splicing or plug-and-play deployment.

Key Features

- Single gang format for discreet indoor installation
- Multiple cable entry points (front, rear, and sides) for installation flexibility
- Available in standard and pre-connectorised variants
- Supports up to 4 fibres with SC simplex or LC duplex adaptors
- Pre-connectorised variants support expanded connection capacity
- Integrated fibre management maintaining $\geq 30\text{mm}$ bend radius
- Internal organisation supporting up to 4 x 3A splices
- Built-in strain relief with cable tie anchor points
- Adhesive or screw mounting options
- Tamper-resistant latching design
- ABS construction with UL-94 V0 flame rating
- Compatible with G657.A1 fibre
- IP20 / IK07 rated for indoor use



Top: FWO shown with LC/APC DX connection.
Bottom Left: FWO shown SC/APC SX with pigtails.
Bottom Right: FWO shown empty with cover.





FWO-EXT Module – Fibre Extension Module

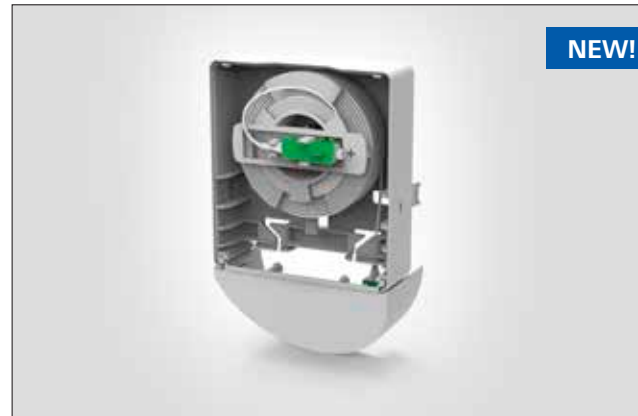
Internal Fibre Extension Solution

The FWO-EXT Module is a plug-on extension solution designed to expand the flexibility of the standard Fibre Wall Outlet. It enables fibre extension within the premises, allowing improved router placement without the need for additional splicing.

The module integrates directly with the FWO, supporting efficient installation while maintaining fibre protection and routing control.

Key Features

- Clips directly onto existing FWO for quick installation
- Provides up to 15m of pre-terminated fibre extension
- Supplied with 1.5mm G657.A2 B2Ca fibre cable
- Factory terminated with LC or SC connectors
- Connector plate doubles as fibre spool winding key
- Entry/exit cover protects fibre connections
- Includes routing accessories for controlled cable management
- Supports minimum bend radius compliance
- Constructed from Polycarbonate + ABS (V0 rated)



NEW!



Top: FWO-EXT loaded with SC/APC SX connectors.
Bottom Left: FWO-EXT shown fitted to FWO.
Bottom Right: FWO-EXT shown with lid on.



FFO 2.0 – Faint Fibre Outlet 2.0

Broadband Extension Kit

The FFO 2.0 is designed for FTTH installations where the router is positioned away from the external termination point. It enables internal fibre extension without requiring additional splicing or termination.

Suitable for residential and small office environments, it supports consistent cable routing while maintaining performance and fibre protection. Its compact design allows for unobtrusive installation.

Key Features

- Supplied with 15m of 1.5mm G657.A2 pre-terminated fibre
- Available with LC or SC connectors
- Supports flexible router placement within the property
- Integrated connector plate with fibre spool winding function
- Tamper-resistant latches and protective overhang
- Includes routing kit to maintain minimum bend radius
- Single gang format for low-profile installation
- IP54 rated for dust and splash resistance
- Constructed from Polycarbonate + ABS (V0 flame-retardant)
- Adjustable keyhole mounting with standard fixing kit



NEW!



Top: FFO 2.0 loaded with SC/APC SX adaptor..
Bottom Left: FFO 2.0 loaded with LC/APC DX adaptor.
Bottom Right: FFO 2.0 shown with lid on.



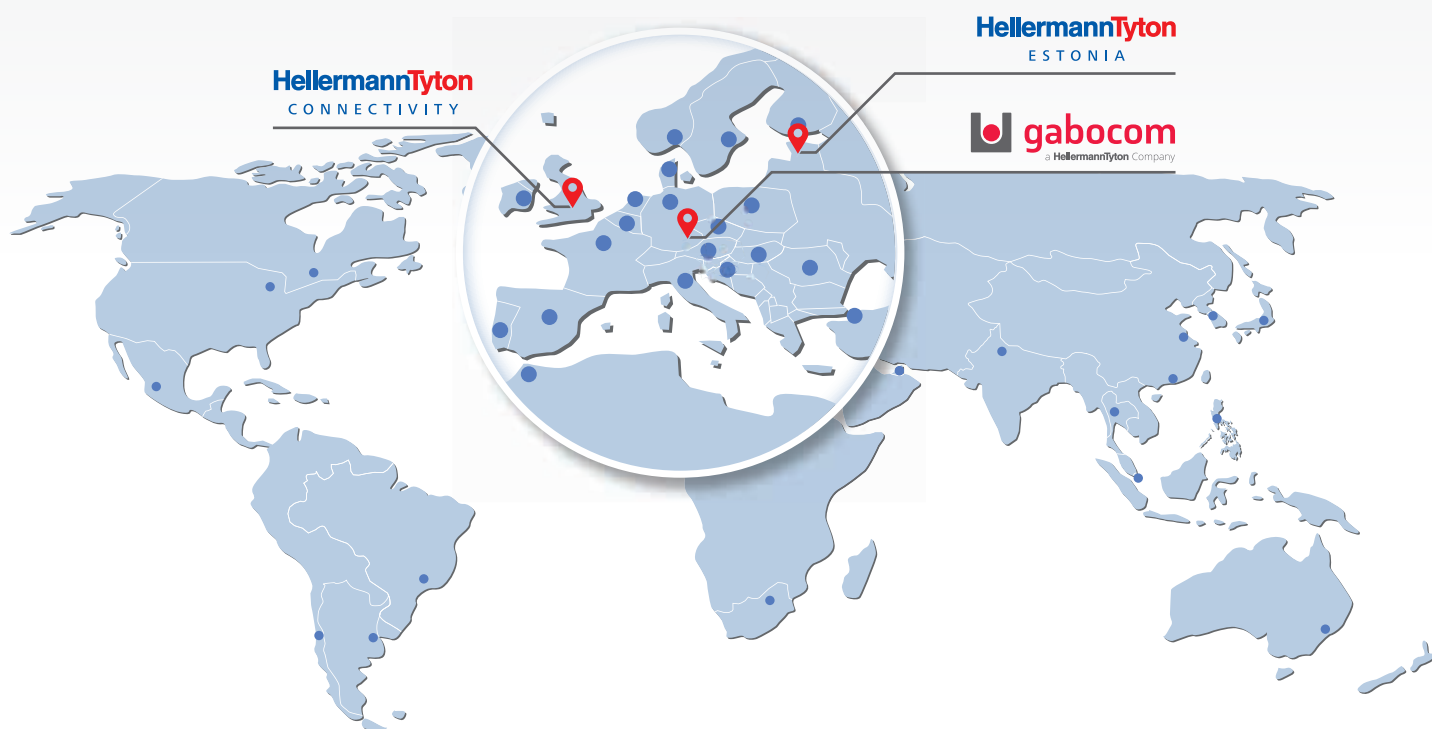
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