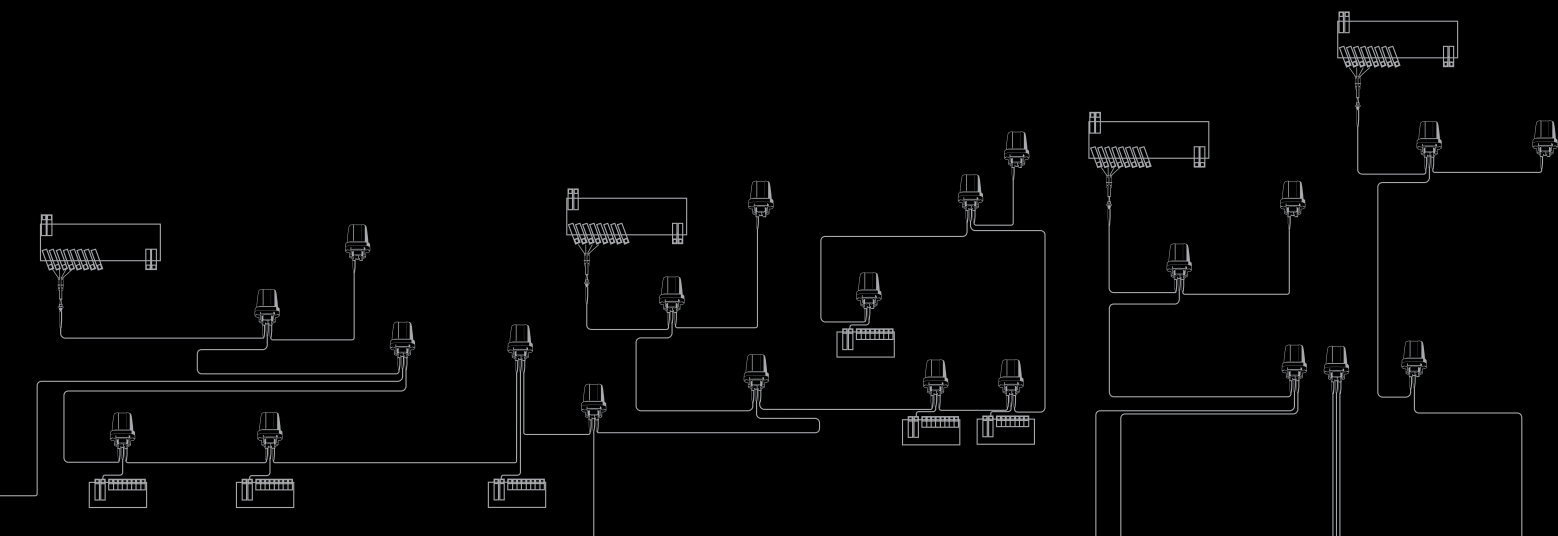


H3ROE

HARSH ENVIRONMENT RETICULATED OPTICS



With fibre optics becoming the absolute foundation of all industrial networking and cabled communications infrastructure, we've made things easier.

H3ROE

HARSH **E**NVIRONMENT **R**ETICULATED **O**PTICS



SIMPLE AND PORTABLE

Simple deployment with true plug and play functionality



ROBUST PRODUCT

A robust IP68 rated product, designed with the most difficult environments in mind



COST EFFECTIVE

A cost effective simple solution providing significant savings



HIGH PERFORMANCE

High performance single mode fibre optic hardware supporting Ethernet and PON architecture



REDUCED DOWNTIME

Reduced downtime with plug and play replacement that does not require specialist fibre optic splicing skills



INDUSTRIAL NETWORKS

H3RO provides reliable, available, scalable and cost effective cabled communications.

H3RO Ethernet is a flexible Optical Distribution Network (ODN) solution for industrial network applications. The system is designed to implement various redundant topologies to reduce network islands, improving reliability and performance.

With the evolution of Passive Optical Networks (PON), optical sensors and the ability to use the phenomenal capacity of single mode fibre optics to carry disparate and high bandwidth information, H3RO is making these revolutionary technologies easily accessible for industrial applications.

H3RO is capable of providing a PON optical distribution network solution for industrial applications.

This technology provides the following benefits:

- A completely passive access network cabling system eliminating the interdependence on switch availability
- A substantial reduction in most fibre ODN infrastructure costs
- High availability when deployed using redundant architecture
- Ability to overlay non-network communications on a single media network (multiplay)

RETICULATION

By using a combination of 12 and 4 core optical cables and H3RO Bots, a relatively limitless number of industrial Ethernet application scenarios can be achieved with this simple system.

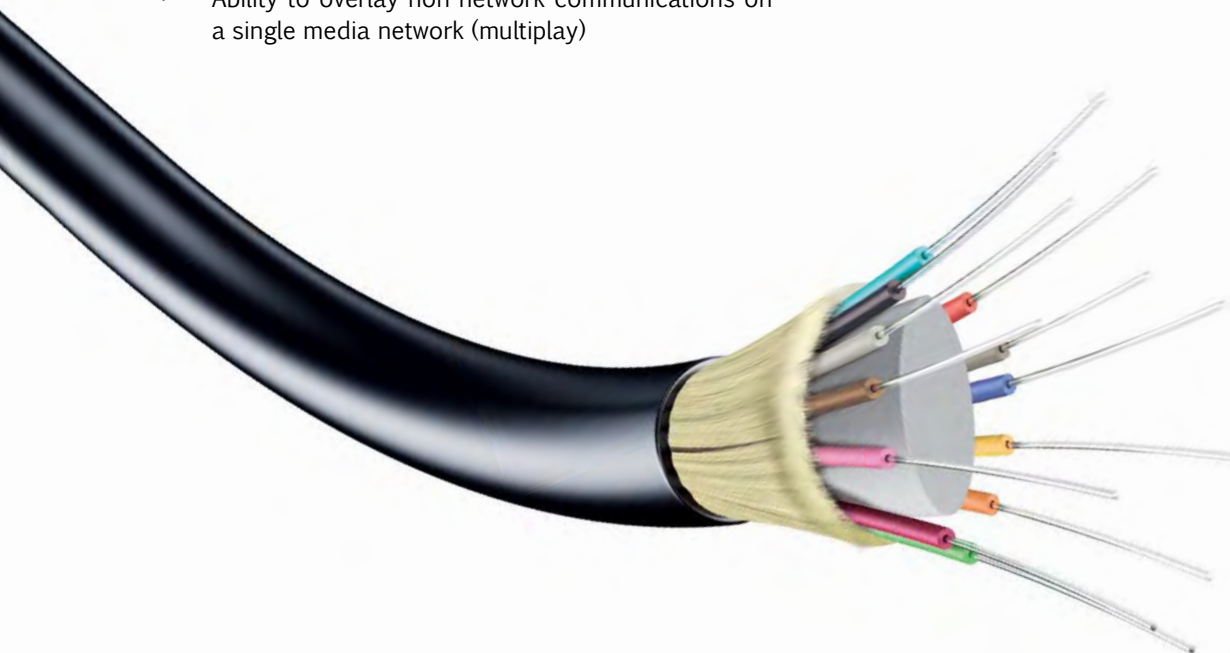
When used in industrial PON applications, each H3RO system is capable of carrying multiple PON networks. Each network can support numerous access nodes (ONUs), providing for a large quantity of access points per deployment.

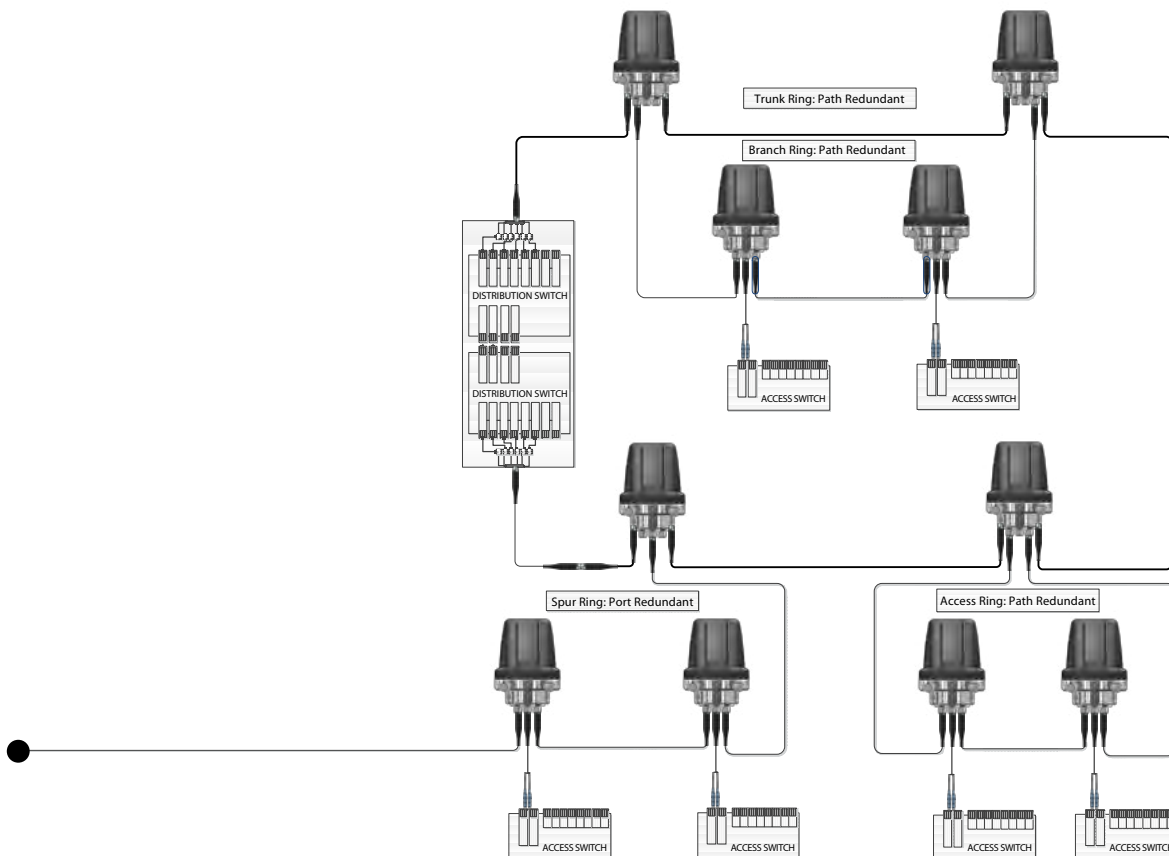
Our PON and Ethernet deployments promote network standardisation, reduce cost and complexity and introduce future-proof standardised fibre optic infrastructure.

With plug and play functionality, no specialist fibre skills or expensive tools are required, supporting rapid off the shelf deployment.

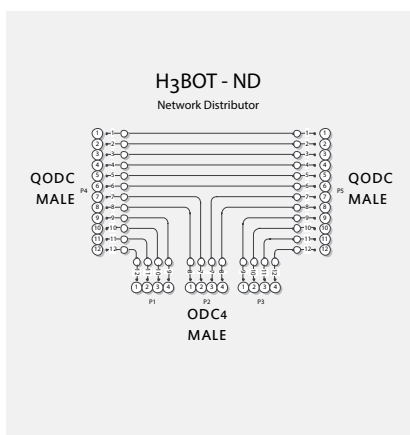
SUPPORT

H3RO provides a fully engineered network solution to suit specific applications, with the confidence of around the clock support services.

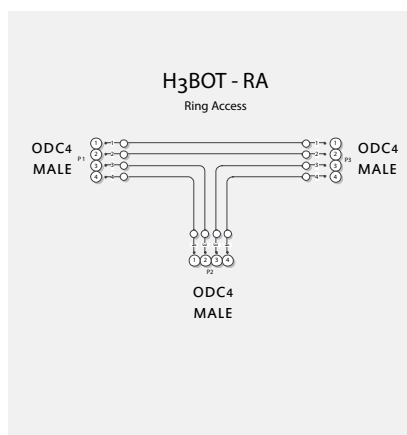




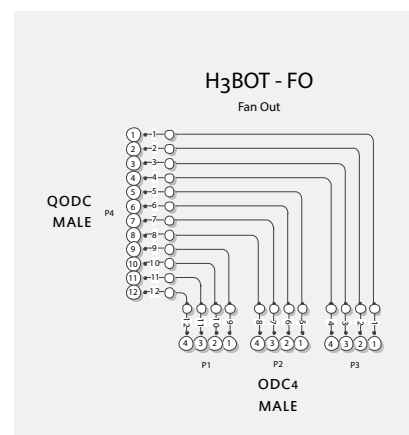
H3BOT - NETWORK DISTRIBUTOR



H3BOT - RING ACCESS



H3BOT - FAN OUT



WHY H3RO?



Before H3RO



With H3RO

- **Simple and portable** – H3RO provides significant space and cabling savings when compared to traditional installations
- **Robust product** – The H3RO Bot is IP68 rated and features robust, quick connect cables. The physical connection of fibre provides exceptional environmental and optical performance
- **Cost effective** – H3RO systems provide up to a 50% cost reduction on network infrastructure, cables and labour when compared to traditional installations
- **High performance** – H3RO features low loss single mode fibre connections and allows for network speeds in excess of 1Gbps
- **Reduced downtime** – With no requirement for fibre optic specialists or tools to install, H3RO has virtually no labour costs to replace. The plug and play functionality of H3RO enables installation of pre-terminated cables in a variety of lengths providing a 50% reduction in replacement costs and encouraging standardised fibre architecture

COMPONENTS

H3RO[®] BOTS

The H3RO Bot is an IP68 rated harsh environment industrial FOBOT replacement. Manufactured to the highest standards utilising robust materials, the Bots are available in a range of configurations. H3RO Bots reduce the cost, complexity and physical footprint of network installations and do not require fibre technicians to install.



H3RO[®] CABLES

H3RO fibre optical cables are supplied pre-terminated and are available in a variety of lengths with SC, LC and ST terminations supported. The H3RO system utilises 12 and 4 core cables complete with tool-less quick connect terminations. The cable connectors are the smallest and most robust connectors in their class and feature an outstanding low loss coupling mechanism.



H3RO[®] BULKHEADS

The H3RO system provides all accessories required for industrial applications including bulkheads. The bulkhead terminations allow for robust mounting in harsh environments and support ease of installation and movement of equipment. Bulkheads are available to convert from H3RO quick connect cables to SC, LC and ST terminations.



H3RO[®] MOUNTING BRACKETS

H3RO Bots are available with a number of different mounting solutions to suit any application. With a common industrial mounting point and a suite of quick connect attachment options available H3RO Bots can be mounted securely in place where required. Common industrial mounting points include unistrut, cables, wire mesh and solid structure attachment.



