

# All about OTN Systems and what it can do for your company.



# OTN Systems

OTN (Open Transport Network) is a unique system that can integrate virtually all existing applications for voice, data, LAN, video, SCADA, etc. into one high speed network, using a fibre optic backbone. The OTN product range is simple to install, configure and maintain.

OTN comes with a rich set of interface cards which allow users to connect any kind of traditional, peripheral equipment easily. This makes OTN the perfect system to migrate applications to IP whenever the time is right. Vast investments from the past are preserved and risks are reduced to a minimum.

An OTN network consist of nodes interconnected by fibre. The nodes, housing the interface cards, are connected in a physical ring topology. The dual ring structure guarantees sub 50 msec reconfigurations. Rings can be interconnected and the whole network is managed by a single, user-friendly network management system called OMS.

## Market Segments

Metros & Lightrail

Mining

Power Utilities

Railway

Oil & Gas

Motorways & Tunnels

Other Industries

# OTN XTRAN

The XTran network portfolio is designed for the power industry, railway authorities and other heavy industries that require an efficient packet based infrastructure. XTran network nodes are designed with specific mechanics and performance values to build a reliable multiservice network and comply to international standards as well as to the most demanding environmental standards like IEC 61850-3, IEEE 1613 and EN 50121-4.

## Primary XTran features:

- Rugged industrial design with no moving parts
- Extended temperature range and EMC requirements
- Compact, DIN-RAIL or 19" mountable
- Modular
- Front access
- Supports meshed topologies
- Hot pluggable power supplies
- Substation compliance to IEC-61850-3
- Highest reliability possible via dual common control
- Sub 50ms protection switching in all network topologies (MPLS-TP)
- Advanced monitoring capabilities based on MPLS-TP OAM enhancements
- Advanced network management suite for total control during deployment, operation and maintenance
- Built in features for fast deployment and easy replacement to reduce field interventions
- Easy to install and maintain via TXCare and built in auto-configuration options
- High level of security
- Based on open and industrial accepted MPLS-TP standard

## Optical Fibre Trends Support letter

To whom it may concern

Date of issue: June 21, 2018

This is to inform that OTN Systems NV in Belgium, being an international supplier of fibre optic transmission systems for industry applications, is fully supporting Optical Fibre Trends (OFT), in various phases (preparation of technical and commercial proposals, project realisation and after-sales services), of fibre optic network development projects.

This support is in line with OTN Systems NV competencies in respect to design of fibre optic networks and supply of fibre optic transmission systems.

**Optical Fibre Trends cc**

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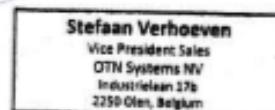
We hereby confirm that OFT is a Certified OTN Systems NV Partner and acts as supplier, agent & distributor for the entire OTN and XTRAN Portfolio in the Southern Africa region. Jesse Rowe has been directly involved with the solutions of OTN Systems NV in Belgium since the year 1998. OFT became a fully certified partner in 2010.

We also confirm that OFT has a very competent technical team, equipped with the right technical knowledge and expertise to conclude world class telecommunications projects for critical communication needs.

The technical team of OFT has attended numerous training programs in Belgium and most recently also in South Africa to be educated on OTN Systems' NV state-of-the-art solutions and to acquire up-to-date knowledge to design and commission large complex projects.

Regards,  
Stefaan Verhoeven

Vice President Sales &  
Strategic Channel Management



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**OPTICAL FIBRE TRENDS**

- Network Consulting
- Network Design
- Network Solutions
- Project Management
- Fibre Optic Installations
- Wide Area Backbones
- Operational Surveillance



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