

ITM Solution Brief

Industrial Network Solutions



ITM Communications is an independent specialist provider of cost effective and energy efficient Industrial Network solutions to the Manufacturing, Oil & Gas, Water Treatment, Power Generation, Construction and Systems Integrator markets in the UK, Europe and Middle East.

Background

For companies operating in the Industrial Controls arena, the network platform represents a vitally important element of the projects they undertake. Typically these specialist networks must operate with a high degree of resilience and in harsh environments on a 24x7 basis.

The Challenge

ITM's Industrial Network Solutions are focused on meeting the specialist requirements and standards that are demanded in the industrial sector and we draw upon a long history of providing innovative and high quality solutions. Our solutions are installed throughout the Manufacturing, Oil & Gas, Water Treatment, Power Generation, Construction and Systems Integrator markets.

ITM has provided long haul singlemode fibre optic Gigabit Ethernet networks using Redundant Ring, STAR, BUS and Point-to-Point LAN fibre optic topologies for a variety of applications.

Implementation

ITM understands the wide range of industrial applications and will translate the customer's needs to provide the best fit and most cost effective solution. Provision of bespoke or legacy solutions for particular applications can also be provided.

ITM's industrial expertise helps to reduce customer engineering and project management costs, thereby providing peace of mind that the customer's requirement will be met, if not exceeded.

ITM has many years experience in interpreting third party specification and ensuring that the correct materials, services and practices are provided to meet those specifications. As part of that process detailed technical proposals are provide that demonstrate compliance with third party or customer specifications.

Industry Leading Innovation

ITM ensures that it is always up to date with the latest fibre optical cabling and network techniques to ensure that the products and services it provides fit the customer needs.

Blown cable installations

- Cost effective and fast cable installation for WAN applications such as pipelines
- Facilitates future expansion of the cable network with minimum disruption

Cable-in-Duct

- Cable pre-installed in duct in continuous lengths in excess of 5km, for applications such as tunnels and wind farms
- Simplifies and minimises installation time and cost

Ethernet

- Industrial network switches for STAR wired and Redundant Ring configurations
- Proprietary or software based solutions
- Network devices to meet applications in the Power, Utilities, and Transport industries

Capabilities

ITM has significant experience and capabilities in the following areas;

- Multimode & Singlemode optical fibre installations, maintenance and repair
- Direct termination and fusion splicing
- OTDR and LSPM optical fibre testing to comply with TIA/EIA TSB-140 standards
- Site surveys
- Site audits for fibre optic cabling and network assets
- External cabling works, through ducts & laying in trenches
- Pre-terminated cabling
- Industrial Ethernet networks and serial data
- Bespoke and legacy solutions
- Network hardware and cabling design, specification and implementation assistance

By adopting a flexible approach to client requirements, ITM applies best of breed technology, in-house expertise and innovation, to deliver compliant solutions and services that offer value for money and achieve industry best practice.

ITM Communications Limited

41 Alston Drive, Bradwell Abbey, Milton Keynes, Bucks, MK13 9HA, UK

TEL: +44 (0) 1908 318 844
FAX: +44 (0) 1908 318 833
EMAIL: enquiries@itm.uk.com
WEB: www.itm.uk.com