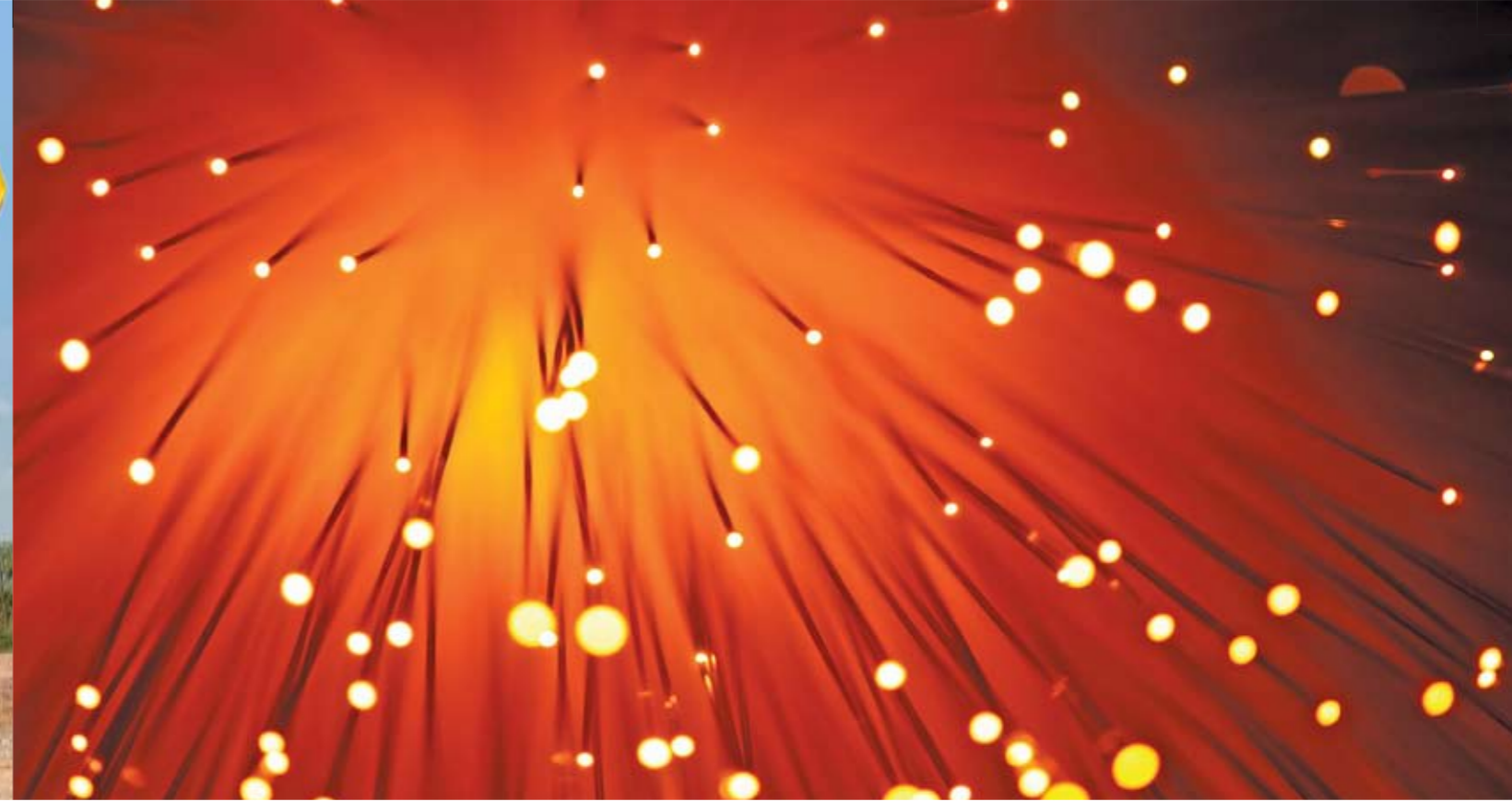




OUTSIDE PLANT (OSP) PROFESSIONAL SERVICES



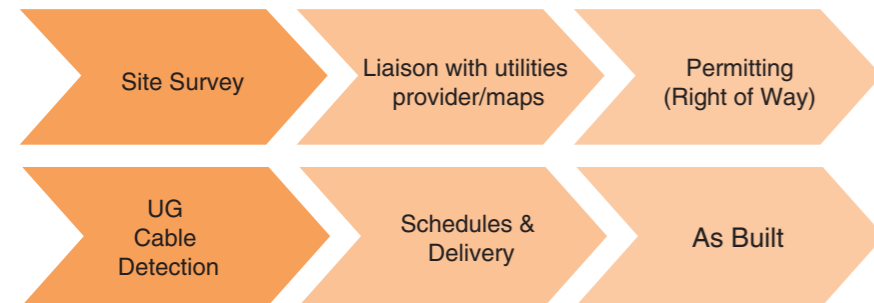
RANGE OF OSP CAPABILITIES/UNDERGROUND INFRASTRUCTURE NETWORK CONSTRUCTION

With an exhaustive industry experience of more than 38 years in outside plant installation including materials and support, we are capable of executing small projects as well as providing complete turnkey solutions any time.

We specialise in underground, direct buried and aerial installations.

UNDERGROUND ROAD EXCAVATION

One of the widely used traditional methods which offers flexibility, allowing better infrastructure security, depth and maintenance.



HDD – HORIZONTAL DIRECTIONAL DRILLING

An OSP pathway using a steerable trenchless method in which pipes are laid underground without trenching on surface.



Horizontal Directional Drill Specifications	
Length	16 m
Width	2.46 m
Height	4.1 m
Drill rod	34 ft

MICRO TRENCHING – MODERN TRENCHING METHOD

An effective deployment method for open access networks, the Micro-Trench method is very popular as its techniques allow for invisible reinstatement, especially in the city. Unlike the conventional trenching method which produces a wet cut and often results in messy work, high costs and the use of bulky machineries, this technology replaces traditional trenches with a dry narrow slit that is sliced in the surface of the road.

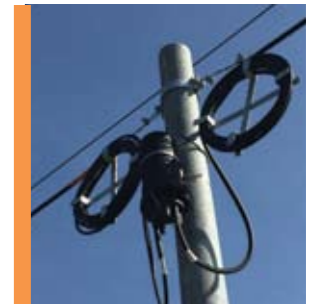


DIRECT BURIED

One of the cable pathways in which armoured fibre cables are completely covered in earth.

AERIAL

Aerial pathway consists of poles, cable supports and is a cost-effective and fast deployment method. However one has to consider the appearance of the city when adopting this method



CABLE INSTALLATION (BLOWING/CONVENTIONAL)

Outside Plant Cable installation/Diversion can be performed by the following methods:

- Conventional Cable Installation (Pulling using specialised equipment/or manually)
- Optical Fibre blowing

We supply, install and implement all outside plant telecommunication cables/networks using the best industry practices, and one of our landmark achievements has been the blowing of 1000 m in a single blow. The following steps are taken before any installation work is carried out:

- Project management techniques are followed
- The duct is thoroughly checked for continuity and integrity by the identification of obstruction causing elements like water, dust and stones and for flattening of duct
- The cables undergo a stringent cleaning process before being inserted into the machines
- The tolerance limit of the duct is never exceeded
- The bend radius and pulling tension are not compromised

