



**UK Head Office**

14 East Bay Lane, Plexal – The Press Centre,  
Here East, Queen Elizabeth Olympic Park,  
London, E20 3BS  
+44 (0) 3450 600 700  
enquiries@xrailgroup.com

# Telecoms Services



## Telecoms Services

One of the leading providers of surveying, consulting and engineering services to the UK's telecoms sector, our experienced, professional workforce delivers real, measurable value to telecoms projects throughout the UK, helping clients manage, develop and understand their sites and the information generated from them.

From high-level project management, topographic surveys and inspection services to utilities mapping, cable network design and the production of health and safety packs, XRAIL offers a truly integrated approach to all telecoms projects. What's more, our flexible culture allows services to be tailored to each client with working methods and deliverables evolving as required.



## Utilites Mapping

Frequently called 'buried service detection' or 'sub-surface scanning', these services provide crucial information on below ground conditions, clearly showing the position, extents, depth and type of buried services. From cable avoidance tools, flexi-rods and sondes to the latest in ground penetrating radar, cutting-edge technology is used to produce fully compliant, comprehensive plans that can be dropped into 2D, 3D and BIM drawings. Key benefits of utility mapping surveys include...

- Reduced levels of cost, delay and risk
- Improved levels of safety
- Unnecessary excavation kept to a minimum
- Disruption to road/other site users severely reduced
- Highly accurate data provided

## Planning & Installation

From the initial planning and design stages right through to the survey, installation and as-builts, XRAIL offers a responsive, turnkey approach to all telecoms projects. Whether it's a localised maintenance task, a regional broadband connection or a complex railway FTN scheme, our highly experienced team delivers projects safely, efficiently, on time and on budget.

The award of a Network Rail Principal Contractor's Licence based on our work in the utilities sector only serves to reinforce our reputation as experts in the design, management and installation of telecoms networks both on and off the UK's railway infrastructure.



## As-Built Surveys

Vitally important to the telecoms sector and all those breaking ground, as-built surveys are frequently carried out only after a project has been completed. Even worse, many are never carried out at all leaving construction drawings or even guesswork the only source of information.

Without comprehensive as-built documents assets are increasingly difficult to locate with cable strikes and service outages becoming inevitable over time. Without the proper documentation minor changes or deviations will not be recorded with strikes, time and costs increasing as a result.

Our dedicated team of telecoms surveyors works directly alongside or behind installation teams picking up new cable runs and assets (cabinets, switches, manholes etc.) in real time. The result? Truly accurate, up-to-date as-built documents that reduce downtime, saving time and money in the process.

## Vacuum Excavation

When combined with ground penetrating radar, vacuum excavation provides unparalleled levels of precision in pin-pointing the location of buried fibre, exposing cables with surgical precision with minimal disruption to workers, traffic or public.

Whilst ground penetrating radar can produce a highly accurate picture of sub-surface conditions, it's no secret that results are sometimes open to a degree of interpretation with physical verification of both position and depth frequently being required. Key benefits of vacuum excavation include...

- Reduced conflicts and change orders
- Unparalleled levels of accuracy
- Significant cost savings
- Fewer and shorter service interruptions
- Far less disruption to traffic and the public
- Virtually eliminates the chance of damage to surrounding utilities
- Improved productivity using the same manpower



## SmartWater™



An international crime fighting and prevention solution with an established track record for detecting and deterring criminal activity, SmartWater™ is widely used throughout the UK's utilities and rail industries.

By partnering with XRAIL (a SmartWater™ approved installation contractor both on and off the rail) SmartWater™ is driving down crime and convicting those responsible for cable thefts and damage.

Whilst salvaged fibre-optic cable has little value in its damaged state, the weight and appearance of armoured fibre can closely resemble copper cabling. Opportunistic thieves cause untold damage, delays and down-time to UK telecoms networks simply by cutting into fibre to examine it.

Our SmartWater™ installation teams have the necessary skills and experience to tag cables and assets on your network. In doing so criminals are deterred, service levels are maintained, customer confidence rises and considerable financial savings are generated.

## Get in Touch

For more information on our range of services or the best approach for your project why not call our office on **+44 (0) 3450 600 700**. A member of our team will be happy to help.



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