

## Network Rail - NRT Data Centre Fibre Links

<b>Client</b>	Network Rail – Telecoms
<b>Framework &amp; Location</b>	Farnborough, Corsham, Manchester, Leeds, Glasgow, Edinburgh and Milton Keynes.
<b>Duration</b>	Start: 2018 Completion: On-going
<b>Infrastructure Requirement</b>	Network Upgrade
<b>Scope of Works</b>	<ul style="list-style-type: none"> <li>Survey and Design</li> <li>Network Rail Safe Work Planning</li> <li>Cable Route, Chambers, Sub Duct and Fibre Optic Installation, Terminations and Testing.</li> </ul>

## FRAMEWORK OVERVIEW

In order to support various Network Rail Telecommunication projects (Trans-Pennine Initiative; CP6 Transition Programme; Project Swift 2) connections to Data Centres outside of the railway boundary were required in order to provide interfaces and connectivity.

Instalcom were engaged to undertake the survey, design and installation of sub duct, fibre network, and cable route, providing connection between a Track location and Data Centre position.

The 6 x Data Centres, plus Network Rail Quadrant Milton Keynes, required diversity so 14 legs in total were designed with 12 being contracted to build.

Employing a 'Phased' delivery approach and adhering to NR/L2/INI/02009 Grip 4 and 5 have been completed successfully and Instalcom are now fully engaged in the Grip 6 stage.

## DELIVERY & INNOVATION

- Instalcom appointed as Principal Contractor responsible to Survey and Design to appropriate NRG, NRCS, ORR Railway Safety Principals and Guidance, National and European Standards/ Legislations.
- Works were delivered using in-house teams and resources with access to 11 established yards/offices across the UK this ensured geographically local teams could be deployed in an effective and efficient manner whilst minimising our carbon footprint
- Proven delivery of high-quality service and completion of multiple projects safely, on time, and to budget within densely populated urban locations.
- In order to reduce manual handling and minimise the environmental impact Instalcom used Techn-crete in place of traditional post mix to secure the elevated trough route posts.

## KEY CHALLENGES

- Extensive collaborative working with stakeholders, holding and attending regular meetings to keep them informed and engaged.
- Agreeing key milestones, phasing the S&D elements, ensured road/rail access could be secured in a timely fashion to meet installation deadlines.
- Proposing a 'standard' suite of designs for the highway element reduced the amount of review time required by the client resulting in efficient IDR/IDC meetings across the 7 locations.

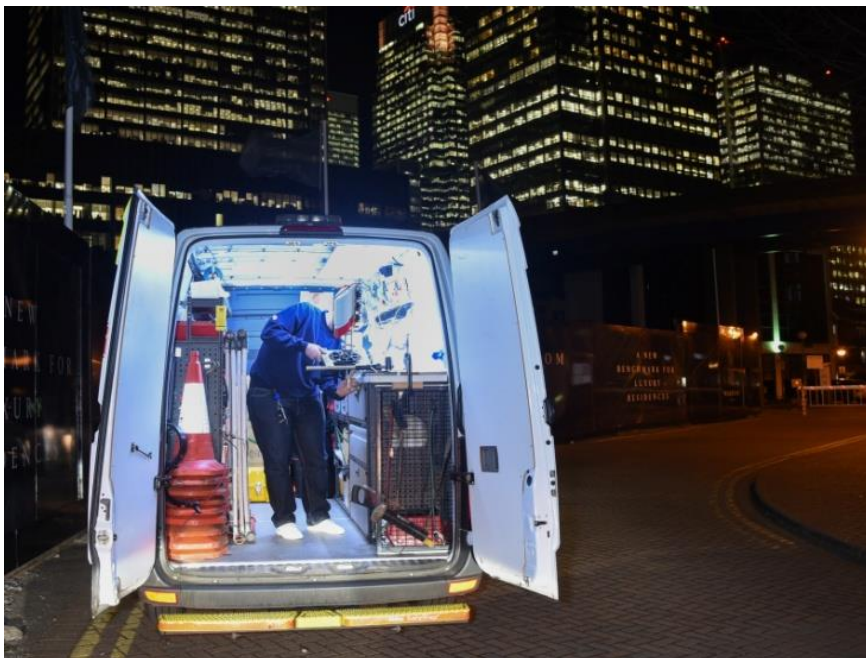


# POPLAR EXIT PROJECT

Instalcom Ltd

## FRAMEWORK KPIs

- Year-on-year achieve ZERO harm
- Regulatory & legislation compliance with no Environmental incidents
- Full compliance with Technical Specifications and high quality engineering
- Compliance with project programme milestone dates
- Proactive communications with stakeholders and third parties resulting in positive interactions and outcomes
- Exceeded Customer Care expectations
- Successful brand promotion of National Rail
- Common protocols embraced leading to enhanced Instalcom / NRT



## CONTACT US

Want to know more about the Instalcom infrastructure service offering in the following sectors:-

- Power
- Water
- Telecoms
- Rail
- Gas
- Multi-Utilities
- Trenchless Installations

Contact us at:-

Instalcom Ltd  
Borehamwood Industrial Park  
Rowley Lane  
Borehamwood  
Hertfordshire WD6 5PZ  
T: 020 8731 4600  
info@instalcom.co.uk  
www.instalcom.co.uk



Delivering Today for Tomorrow

