

# Glenn Clark- How RCU Solutions is bringing a fresh approach to multi-disciplinary projects on the railway

October 6, 2020



RCU Solutions Co-Director Glenn Clark brings over 14 years of industry knowledge to the company, having previously worked for Network Rail and a variety of Tier 1 Contractors. Glenn comes from a Civils and Telecoms biased background and has worked on some high-profile projects including FTN GSM-R Roll Out, Thameslink K01 & K02, Reading Station Area Redevelopment (RSAR) to name a few.

This leads on to **RCU's** portfolio of works growing year on year for delivering Telecoms and Civils projects and clients having the reassurance that the people behind the scenes of the company actually know what they are doing and have had the problems from a client perspective.

## Rail telecoms – A digital railway

The telecoms infrastructure is a key part of meeting the demands of the ever growing rail network for Network rail and other stake holders. As part of a turnkey service, RCU specialises in complex rail telecommunications projects, including operational telecoms,

digital transmission networks, ETCS, SISS, DOO and more.

Notable projects delivered in recent years include:

GEML – Beaulieu Substation – The Installation of 9km of 24f cable to connect up the SCADA links for the new ATF Substation at Beaulieu, this included cable drum testing, pulling and putting away the cable, splicing in fist joints, end to end testing, route upgrades to the existing S&T trough route and providing all testing documentation and results.

Reading 10 Car – Buckhurst TP Hut – Installed new SCADA links from existing fibre network, the works entailed cable pulling and putting away, terminations, testing to NR specs along with the supply of Telecoms CRE, Test Plans and documentation. Our team also completed the recovery of telecoms equipment from redundant NTU cabinets.

Sussex PSU – The procurement and installation of direct line telephones into new DC modules that had been installed on existing substation sites.

HS2 – Old Oak Common – The supply of telecoms CRE for the decommissioning works of existing sheds and infrastructure.

### Signalling a brighter future

As Network Rail continues to deliver improvements to public safety around Level Crossings and User Work Crossings, signalling upgrade projects are playing a huge role in the network's efficiency.

With up to £2.4bn of signalling work set to be made available by Network Rail over the next five years, the need for high quality, reliable and knowledgeable contractors is ever growing.

To facilitate these upgrades, the importance of a seamless delivery of work packages cannot be underestimated.

We work alongside Technotrack Engineering and other signalling installation contractors to assist their expertise with E&P, telecoms and civils elements of signalling projects. With the collaborative working approach, our staff provision on signalling schemes includes qualified supervisors, team leaders and installers, all fully trained and experienced in installation, testing and handover. We're proud to have worked with major tier one contractors such as Alstom, Atkins, Costain, Kier and Volkerrail to name just a few, and we continue to develop partnerships with organisations on signalling installations across the UK.

At **RCU Solutions**, we are vastly experienced in the delivery of civils elements of signalling projects, including but not limited to: removals and decommissioning of fence lines and crossing gates, installing GRP walkways, foundations, fencing, gate lines and handrails, cattle grids, signage and road reprofiling.

Our signalling installation projects in recent years have included:

VaMoS UWC Upgrades – AMCO – RCU were contracted to undertake the E&P and Signalling element of

Beeston Regis UWC upgrade which included;

- Install 1700m of SWA Power Cable
- Install VaMoS Equipment (1x VaMoS Control Cubicle, 2x Pole's, 3x GAK's and 3x Wheel Sensor's)
- Build and Install CCTV LOC
- Install and terminate all associated cables
- Install 1x CMS Sleeper (Metal Hollow Sleeper)
- Install Earth Pot and Rods

The commissioning of the VaMoS equipment is carried out by Network rail over 2 days which our staff supported for any changes/Mods that were to be made.

Norwich/Yarmouth/Lowestoft Re-signalling – Technotrack Engineering – Supplying civils staff to support the Installation works which included cable installation and cable recoveries.

Woodbridge Axle Counters – Kier – Supplied Signalling and Civils supervisors along with Installation staff throughout the project. The scope of works entailed new cable trough route, cable installation, including terminations and testing. During the commissioning we was tasked with recovering old assets which included cables, 4-foot equipment and lineside signalling equipment.

Cable Protection on Anglia Framework – J Murphy & Sons – During JMS undertaking various embankment works there was a need for the S&T trough route and its cables to be protected and in some instances the trough route being removed, the existing cables taken out, slewed away and temporarily protected. After the embankment works were completed RCU would then come back in and install a new cable trough route and put all the cables back into the route. This would be undertaken whilst being supervised by an SMTH who would liaise with the signalling at the start, during at and the end of the works.

To learn more about RCU Solutions and how we can support your project requirements, call us on 0203 0316511 or email [info@rcusolutons.co.uk](mailto:info@rcusolutons.co.uk)