

# Project Report - Anchor Screw

Anchor Systems (International) Ltd were approached to design and supply a rapidly deployable, zero concrete and environmentally friendly ground anchoring solution and LOC Stage for location case platforms along railway embankments in Flitwick, Bedfordshire.

This was required for Linbrooke Services' West Hampstead Life Extension (WHLE) Project, which was implemented as part of Network Rail's London North-Eastern & East Midlands Route Strategic Plan - to extend the life of lineside signalling assets between the Kentish Town and Bedford Interlocking areas.

## SOLUTION

Working closely with CSM Specialist Projects, Anchor Systems created a bespoke and innovative solution. A design was developed for a prefabricated GRP stage that could be delivered to site already pre-assembled and connected directly to Pile Adapter interface plates on extendable Anchor Screws.

This system proved to be especially beneficial on this Network Rail project where the team were challenged with the task of installing on sloped railway embankments, with the presence of OLE's, facing imposed time constraints and all while taking a conscientious approach to reducing the carbon footprint.

As well as eliminating the need of OLE isolation, zero on track plant or RRV's were required and no concrete or wet trades were used. In addition, this installation method is portable, lightweight and produces no hand-arm vibration syndrome (HAVS) during use. The torque head has a zero dB reading and the power pack measures 88dB at two metres, making this the ideal solution for night shift work and use in noise sensitive areas.



It is estimated that a 70% embodied carbon reduction was achieved on this project.

### CLIENT

Network Rail

### CONTRACTOR

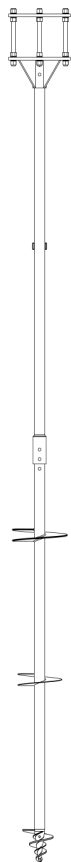
Linbrooke Services

### SPECIALIST INSTALLER

CSM Projects Ltd

### DESIGNER

GGP Consult, Linbrooke Services  
& Anchor Systems (International) Ltd



# Quick LOC Stage

## ANCHOR SCREW FOUNDATION SYSTEM WITH LOC STAGING



Installation Video

