

# Case Study:

## Gospel Oak to Barking Electrification Project

### Client:

Murphy Group Ltd on behalf of Network Rail

### Sector:

Rail

### Services Provided:

Piling  
Smartbase Modular Foundations  
Core Drilling  
Grouting  
Brickwork  
Rope Access  
Scaffolding

### Consulting Engineer:

Amey Inabensa

### Location:

East London

### Value:

1.8 million

### Year:

2016



### Gospel Oak to Barking Electrification project

Van Elle was appointed by Murphy Group Ltd to install 22no piles to a depth of 4.8m for the foundations of the overhead powerline gantries. The piles required casing through the ballast layer with design depth finishing in the London Clay.

The foundations were installed with Movax and BSP attachments on our fleet of Colmar RRV's.

In addition Van Elle also designed, manufactured and installed bespoke precast units on which the stanchions and key clamp edge protection could be seated.

Further works undertaken on this project included minor demolition and civils tasks. This included demolition of part of the existing masonry walls, installation of dowelled anchors into the masonry walls for temporary and permanent clamp fixings, and de-vegetation work in several locations.

All construction materials and demolition waste had to be transported by Van Elle with our fleet of Colmar RRV's and supporting predator trailers.

These works undertaken were typical of many Van Elle Rail projects but had additional logistical challenges due to the remoteness of several work locations. Despite the various challenges posed with the location and general working environment of this scheme, the project was completed ahead of time and budget.

*"Murphy do not see Van Elle Rail as a subcontractor but rather a partner. With their assistance, the project team have been able to deliver ahead of programme and budget, swiftly overcoming any unforeseen issues in a professional and collaborative manner. This is something that should not be overlooked."*

Andres Gianetti  
Murphy Group Project Director

