



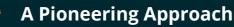
# **EXPERTS IN GEOTECHNICAL AND GROUND ENGINEERING** Solutions to the rail sector.

### Specialist Road Rail Vehicle Fleet

The Van Elle fleet is modern, well maintained and specifically built for heavy lift and Piling applications, utilising some of the most advanced attachments available.

### A track record of 550+ completed Rail projects.

Including over 170 stations, major electrification schemes, re-signalling projects, track bed stabilisation, slope retention, sheet piling and ground investigation.



Van Elle have been pioneers in the field of major electrification and infrastructure schemes using on track plant. The development of unique solutions such as Track Bed Stabilisation (TBS) and unique machines and attachments set Van Elle apart from the competition.

## **RECENT CASE STUDIES**

## **ELECTRIFICATION**

#### **Gantries and Overhead Line Equipment (OLE)**

#### **Midland Mainline Electrification**

#### Client: SPL

Van Elle installed over 3500 CHS piles to date for SPL between Bedford and Kettering as part of the electrification of the midland mainline. The team also undertook structures installation, bored piles, sheet piling and King Post walls as part of the upgrade to the route.

#### **Core Valley Lines Electrification (CVL)**

**Client:** Amey Infrastructure Wales Van Elle have installed 1000+ piles to date for the

#### Electrification of the south Wales Metro.

#### **Great Western Electrification (GWRM)**

**Client:** Amey, Balfour Beatty, ABC Van Elle installed installed over 3000 OLE foundations, platform piles, bored piles, bridges and infrastructure over a five-year period.

#### **Track upgrades**

#### Maidenhead

**Client:** Balfour Beatty Rail 10m long sheet piles and return anchors for slope retention to facilitate track widening over Christmas and Easter blockades

#### **BRIND Phase II**

**Client:** Network Rail Track Bed Stabilisation (TBS) installation utilising Van Elle SMART piles





#### Bridges and Structures Stockley Junction

#### **Client:** Carillion

Van Elle installed over 1600 sheet piles for the Heathrow Express Up Airport Route to allow existing track retention. All piles were pre augured using four number Klemm rigs

#### **Stamford Tunnel**

#### Client: Amco

Van Elle assisted Amco with the tunnel strengthening works at Stamford Tunnel. This project involved lifting steel strengthening Beams into the roof of the existing tunnel using a movax manipulator attachment, the first of its type in the UK.

#### Station & platform upgrades White Rose Station, Leeds

#### **Client: Spencer Group**

Van Elle delivered the piling works and soil nail retention system for the construction of the new white rose station in Leeds. The platforms were constructed on top of an existing railway embankment.

#### **Brent Cross West Station**

#### **Client: Amey**

Van Elle delivered the piling works for the new Brent Cross station working between the existing tracks of the midland mainline. Utilising Any track Open (ATO) control measures allowed for an efficient and timely delivery of the project.

## **ON TRACK SOLUTIONS:**

## Capabilities

- Overhead Line Equipment (OLE)
  - Structure installation
  - Resignalling schemes
    - Civils packages
      - Plant hire

## Techniques

- Steel tubular piles Circular Hollow Section (CHS)
  - Bored concrete piles
    Sheet piles
  - Anchors and soil nails
  - King post piles/UC Sections
  - Drilled piles (Elemex/Superjaws)
    - Track Bed Stabilisation (TBS)
  - CFA (Continuous Flight Auger)
    Screw/Helical piles

# **FLEET LISTING**

## COLMAR T12,000FS Wheeled



Weight Length

Width

Mast

37 tonnes 10.5m (Rail Configuration - Extended) 9.2m (Road Transport Configuration) 2.7m (height) 3.5m

## COLMAR T10,000FSCG Tracked cranes



Weight Length Width Mast Reach 42 tonnes 10.5m (Rail Configuration - Extended) 9.2m (Road Transport Configuration) 2.7m (height) 3.5m 15.2m

#### COLMAR T10,000FSC TRACKED



Weight Length Width Mast 42 tonnes 8.0m 8.3m (2.53m when retracted) (height) 3.5m

#### RA310 HD LSR JCB TRACKED EXCAVATOR CRANE RRV



Weight Length Width 31 tonnes 4,565mm 2,761mm

## **BENEFITS**

The Van Elle fleet is equipped with high integrity ATO (Any Track Open) control systems and high performance RCI systems, ensuring maximum safety performance and efficiency on track.

A modern and well-maintained fleet gives Van Elle the best credentials for delivering infrastructure projects where safety and performance matter most.

Innovative and efficient techniques have been key to the development of the Van Elle fleet.

## **Contact Us**

For more information please contact our specialist rail team on railenquiries@van-elle.ca or visit our website www.van-elle.ca

Or if you have a particular query or question that you would like to discuss please contact Van Elle Canada rail team on:

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