



VAN ELLE

Specialist Geotechnical Contractors



STABILITY FOR LIFE



VAN ELIE LTD

VAN ELIE LTD

VE

VE
TECHNICAL
SERVICES

www.van-elie.co.uk

VE

VAN ELIE

Company Profile

Van Elle is one of the largest geotechnical and foundation engineering contractors in the UK. We pride ourselves on our reputation for customer service, quality engineering solutions and innovation. We feel proud to offer the widest range of techniques and experience within the geotechnical industry today.

Van Elle is split into seven divisions and is represented today throughout the UK by a network of regional offices. Each division will offer specific expertise on one of a wide variety of disciplines. All divisions work closely with each other within the overall company structure so as to bring to our clients the most efficient, reliable and economic solutions.



Our commitment to training is widely acknowledged and recognised throughout the industry. With our own internal verifiers and assessors, we invest heavily in our workforce and ensure training to NVQ levels across all disciplines.

We are also committed to external training through our membership of the continual professional development certification service offering seminars to organisations of all sizes and disciplines. We endeavour to tailor the seminars to our clients requirements through content, venue, timing and expertise.



Van Elle is a founder member of ASUC Plus which is the National Trade Association of the Subsidence and Mini Piling Industry throughout the UK.

As a member of ASUC Plus we are able to offer the most comprehensive, independent guarantees for remedial, new build and basement installations which carry an independent 12 year guarantee.

VE is also a member of the Federation of Piling Specialists, the British Drilling Association, CITB and NHBC. We are proud to have gained national type approval for our Smartfoot® product and possess a LANTAC certificate. VE is also link-up qualified for various types of work for the railway industry.



Geotechnical Services

Van Elle Geotechnical Services are providers of specialist technical services to the construction industry. As experts in the field of site investigation and foundation testing, we provide our clients with an efficient, high quality and competitive service.

The company consists of a team of specialist engineers, using 'state of the art' equipment, who oversee projects from start to finish ensuring a consistency of service.

Services offered to clients include:

- Geotechnical and historical desktop studies
- Subsidence investigation
- Trial pits
- Cable percussive and rotary boreholes
- Insitu testing and sampling
- Laboratory testing (UKAS accredited)
- Insitu monitoring and instrumentation
- Window sampling and dynamic probing
- Comprehensive factual and interpretive reports

Geotechnical Drilling Solutions

The Geotechnical Drilling Division principally operates from our Newcastle upon Tyne and Sheffield offices and offers a nationwide service.

We have a wide range of versatile, modern plant and, coupled with our experienced operatives, this gives us the capability of undertaking all manner and size of drilling and grouting contracts. We also offer a wide range of associated geotechnical techniques and processes for a variety of applications. These include drilling and grouting of potentially



We offer a complete and impartial site investigation service ranging from trial pits to deep bore holes and laboratory testing.

Our client base includes local authorities, private developers, consulting and structural engineers, public utilities and contractors, including specialist foundation and ground engineering contractors.

We are widely experienced in the installation and monitoring of landfill gas boreholes and landfill leachate test sites and have carried out extensive monitoring projects on distressed buildings and other structures. Van Elle site investigation services work alongside our other divisions to enable VE to give our clients a fixed price, lump sum package for their projects. Van Elle testing services also work closely with our research and development department to enable us to continue to present to the construction industry further innovative geotechnical and foundation solutions.

In addition to the above services Van Elle have a large fleet of drilling rigs at their disposal ranging from the small restricted access units (less than 1.0 metres wide and 2.0 metres high) to large deep drilling rigs capable of drilling to in excess of 200 metres.

Our fleet of rotary rigs are predominantly tracked, low ground pressure all terrain units, however we also operate rubber tyred 4x4 mounted rigs for use when a tracked rig may not be the preferred option.

All our drilling crews are highly experienced, BDA accredited and are required to achieve NVQ Level 2 in Land Drilling, as part of our company's personal development programme.

Furthermore all crews have at least one Emergency Trained First Aider as a crew member.

unstable ground in areas of old mineral workings, granular fill and redundant sewers whether on open sites or restricted access areas.

We install a range of proprietary ground anchors for temporary and permanent works along with multi directional drilling capabilities and the provision of monitoring wells for gas and leachate in landfill sites.

We design and install a variety of slope stabilisation solutions including a wide range of soil nailing techniques.

We regularly carry out structural repair works on large projects such as viaducts, tunnels and bridges where there is a requirement for a specialised, designed solution. The range in size and output of our drilling rigs allows us to overcome most adverse access and site conditions.

Our qualified engineers are always available for a free site visit if requested.

Piling Division

The Piling Division provides a wide range of piling methods and techniques for all new build developments, major structural projects, open site industrial contracts and large commercial refurbishments to national developers and contractors, local authorities and civil engineering clients.

We offer complete design and installation packages including bored piling, CFA and Auger piling, driven steel and precast concrete piling and driven steel cast insitu piling.



Foundation Packages

Our foundation packages offer the ultimate 'one stop solution' to engineers and end users alike.

We utilise our wide range of geotechnical skills to provide a design and install foundation package on brownfield and greenfield sites, up to finished slab at dpc level, at no risk.

We combine our precast concrete foundation system Smartfoot® with any type of geotechnical support including piling, vibro, grouting or a load transfer platform.



Testing & Monitoring Division

The Testing and Monitoring Division are providers of a full range of specialist technical services to the construction industry. We are experts in the fields of pile testing, noise and vibration monitoring and structural assessments.

The division consists of a team of dedicated, testing engineers who, utilising state of the art equipment, manage projects from inception to conclusion so as to provide a consistency of service to the client.



Bored piles of various diameters are able to penetrate a multitude of soil conditions utilising rotary percussion techniques to achieve pile capacities in particularly difficult ground conditions.

Our CFA piling rigs are able to install CFA and Auger piles from 200mm – 600mm diameter and are suitable for most soil conditions and being vibration free are ideal for working in close proximity to existing buildings. Van Elle CFA piles can achieve capacities of up to 2000kN S.W.L.

We have a wide range of driven piles from bottom driven thin wall steel piles to heavy wall top driven steel piles and various sizes of precast concrete driven piles to suit most sites and useages.

VE precast concrete piles have a full capacity mechanical interlocking joint to maintain the integrity of the pile.

The unique post tensioned Smartfoot® foundation package provides speed, strength and versatility to a wide range of two and three storey dwellings.

Smartfoot® has LANTAC and NHBC approval.

VE can give the developer the most economic foundation solution by incorporating all or some of our range of activities.

We also offer conventional foundation construction techniques which, like Smartfoot®, can include the floor slab and internal blockwork up to dpc level.

VE are constantly developing innovative foundation packages including Smartraft®.

We offer a one price, one contractor, no risk foundation solution which is supported by an independent insurance backed guarantee.

Van Elle pile testing are involved with the whole spectrum of pile types and ensures an economical service on all projects. We are experts in dynamic load testing along with all the advantages of speed and cost.

We also provide static load testing utilising either kentledge or a reaction system to assess pile capacities and load settlement characteristics.

Additional services include pile integrity testing using sonic echo and transient dynamic response methods together with computer modelling.

We are involved with many projects for noise and vibration monitoring alongside structural monitoring and instrumentation.

We also currently provide services for sheet pile wall investigations along with pile driveability studies and parallel seismic testing.

Restricted Access Piling Division

The Restricted Access Piling Division offers various design and installation packages utilising a wide range of mini and medium size piling rigs to install piles and foundations on restricted access sites. We ensure our clients achieve the most cost effective method of establishing foundations by pre contract site visits from experienced engineers, the provision of a bespoke foundation solution and the utilisation of our large fleet of in house designed piling rigs.



We offer purpose built mini rigs to work within 750mm-1500mm widths, 2.5m-3.5m heights and with weights of 1t-6t.

We offer restricted access precast concrete driven piling rigs up to 20t weight with mast heights of 6m.

We install driven piles from 100mm dia-600mm dia with capacities up to 400kN.

We have a wide range of restricted access CFA and bored piling rigs that can provide pile capacities up to 1000kN.

The restricted access foundation packages are suitable for utilisation on new build development, refurbishment projects, all highway and waterway improvements and railway upgrades.

We pride ourselves on offering a complete service to our clients.

Subsidence Repair Division

The Subsidence Repair Division offers conventional and patented in-house subsidence repair packages and a developing range of innovative, bespoke designed restoration and refurbishment solutions.

We design and install a wide range of conventional underpinning systems to cater for all site conditions which dictate the method of stabilisation required.

We have experienced engineers and an expert team of operatives skilled in these works.



We offer the Hoopsafe® structural stabilisation system as a patented in-house subsidence repair package. The Hoopsafe® system was developed using proven post-tensioning technology to reinstate the integrity of structures by inducing lateral compression into the building. This allows the structure to behave as a single rigid unit. The decanting of occupants is not always necessary and with Hoopsafe® being highly flexible it is suited to most low rise detached, semi detached and terraced properties with differing types of construction.

The Hoopsafe® system is accepted by the BRE as a recognised structural repair to remedy and prevent differential foundation derived distress.

We also offer Brickbeam® as a patented in-house structural stabilisation technique to be utilised in conditions of more localised building movement or failure. Post tensioning systems are utilised to stabilise for example, extensions, bay windows and porches so as to provide a cost effective solution.

Brickbeam® and Hoopsafe® are installed in conjunction with various proprietary masonry repair systems and remediation techniques.

We offer Vetek® Soil Stabilisation as an accurate and controllable method of lifting settled/subsided groundbearing slabs/strip footings back to an acceptable level by filling voids and consolidating fill/granular materials.

We utilise a wide range of mini piling techniques including bottom driven steel piles and bored



and cfa piles. These are used with our designed system of reinforced concrete needle beams and groundbeams to produce various underpinning, piled raft foundation solutions for any size of project.

Our mini piling rigs are able to access basements, machine shops, supermarkets, domestic dwellings and other very restricted sites to install a variety of piles to suit ground conditions, site access and engineers designs.

Our hybrid schemes using Hoopsafe®/ Brickbeam® and mini piles are widely installed to suit site requirements. We also utilise various raft redemption techniques to provide a cost effective alternative.

Seismic wallpaper is a method of surface bonding being utilised within the railway industry on bridge parapet and pcc housing repairs and can be allied to other various lateral restraint techniques.

< Services

- < Foundations
- < Site Investigation
- < Geotechnical Services
- < Deep Drilling
- < Drilling and Grouting
- < Open Site Piling
- < Restricted Access Piling
- < Remedial Subsidence Repairs
- < Underpinning
- < Minipiling
- < Testing and Monitoring



Van Elle offer a complete service from initial site investigation to completed contract. VE include a full design package utilising the latest computer aided design techniques which are tailored to deliver the latest innovative solutions. We commit to a full 12 year independent insurance backed guarantee on all designed foundation and remedial packages. VE is able to offer a complete package of foundation solutions for both remedial and new build projects and can utilise a wide range of experienced engineering and project resources.

Van Elle is at the forefront of developing new foundation methods of construction and also utilises tried and tested solutions to achieve innovative packages which can extend the perceived barriers of construction.

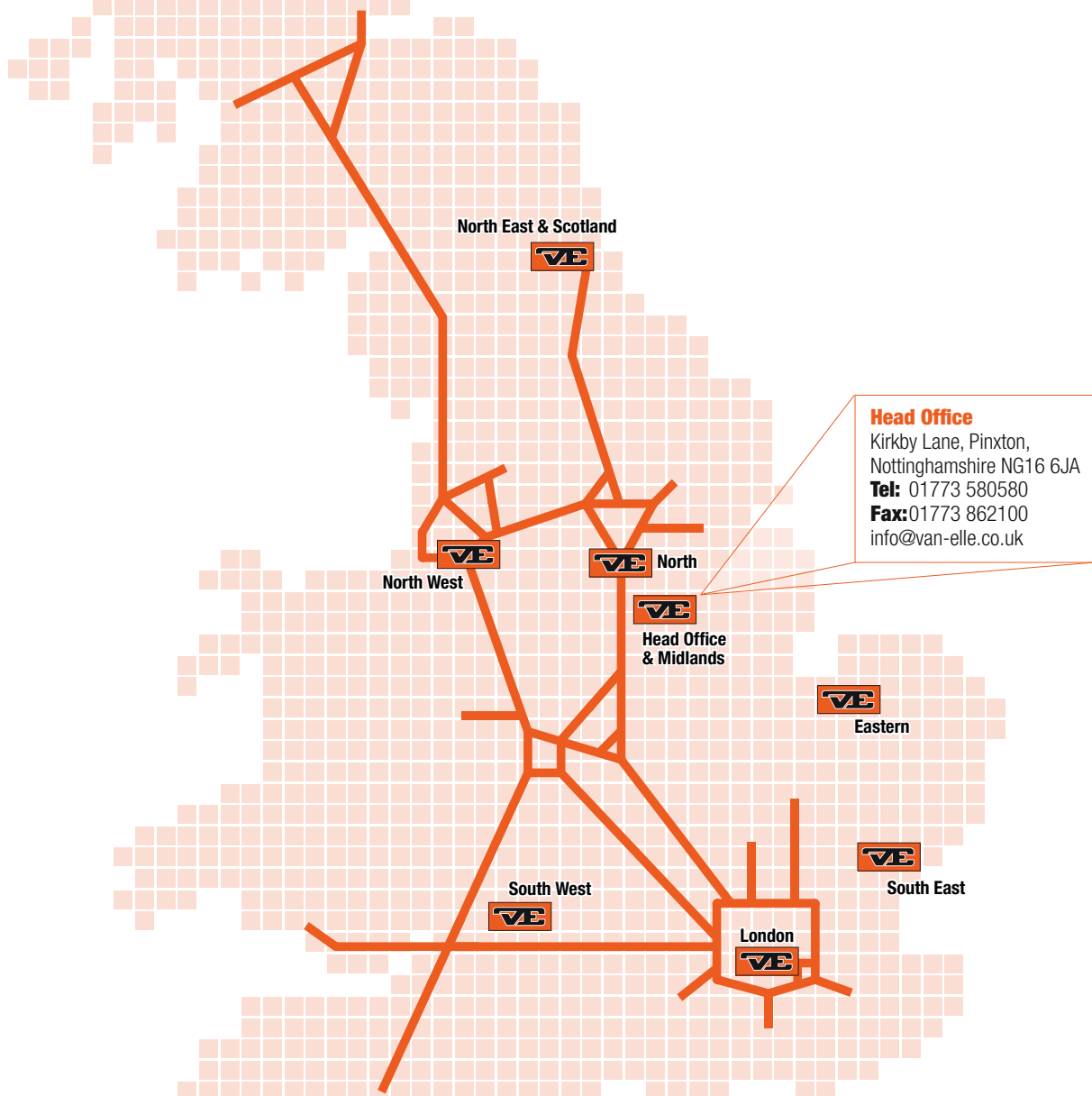
We are experienced in being involved from the initiation of the project and will contribute valued engineering concepts and designs to aid our clients in realising their development, either large or small. We welcome the opportunity to be alongside our clients as partners and take pride in assisting them to realise their goals.

VE is the home of the one stop solution which offers all our clients

STABILITY FOR LIFE



Contact Details



Regional Offices

Midlands

Kirkby Lane, Pinxton
Nottinghamshire NG16 6JA
Tel: 01773 580580
Fax: 01773 862100
info@van-elle.co.uk

Eastern Region

Greens Road, East Dereham
Norfolk NR20 3TG
Tel: 01362 697097
Fax: 01362 697061
info@van-elle-eastern.co.uk

South East

Brick Kiln Farm
Inworth, Essex CO5 9DJ
Tel: 01376 572236
Fax: 01376 572134
info@van-elle-southern.co.uk

London

Paramount House
290-292 Brighton Road
South Croydon, Surrey CR2 6AG
Tel: 020 8680 1912
info@van-elle-southern.co.uk

South West

Shaftesbury Centre, Percy Street
Swindon, Wiltshire SN2 2AZ
Tel: 01793 554846
Fax: 01793 554847
info@van-elle-southwest.co.uk

North

Tinsley Park Close
Tinsley Park Industrial Estate
Sheffield S9 5DE
Tel: 0114 244 3765
Fax: 0114 261 9420
info@van-elle-northern.co.uk

North West

Downs Court
29 The Downs, Altrincham
Cheshire WA14 2QD
Tel: 0161 929 6200
Fax: 0161 929 6950
info@van-elle-northwest.co.uk

North East

Windsor Road
Springwell, Gateshead
Tyne & Wear NE9 7QN
Tel: 0191 417 8332
Fax: 0191 417 8334
info@van-elle-northeast.co.uk

Customer Care

VE have always shown a strong commitment to customer care and this is highlighted in the range of methods we employ to ensure our customer's satisfaction in our products and services.

We have a dedicated customer care line which can guarantee direct access to our senior management, if required.

VE customers have access to our contract boards containing not only information on their project but all contact names, photographs and telephone numbers of the relevant contract managers and operatives.

We supply our clients with Customer Satisfaction Questionnaires and company policy.

VE install tracker devices to all vans to give the customer the correct and up to date information regarding programmes and performance and which achieves greater efficiencies and vehicle security.

We are proud to offer the ASUC plus 12 year DIG Guarantee as a testament to our confidence and commitment to customer care.

Further Information

Van Elle Group Ltd hope that you find the information contained within the brochure useful. All reasonable steps have been taken to ensure the accuracy of the statements contained herein.

For any further information contact the Marketing Department at Head Office

tel: **+44 (0)1773 580580** fax: **+44 (0)1773 862100**

or e-mail: **info@van-elle.co.uk**

or visit our website: **www.van-elle.co.uk**



www.van-elle.co.uk

