



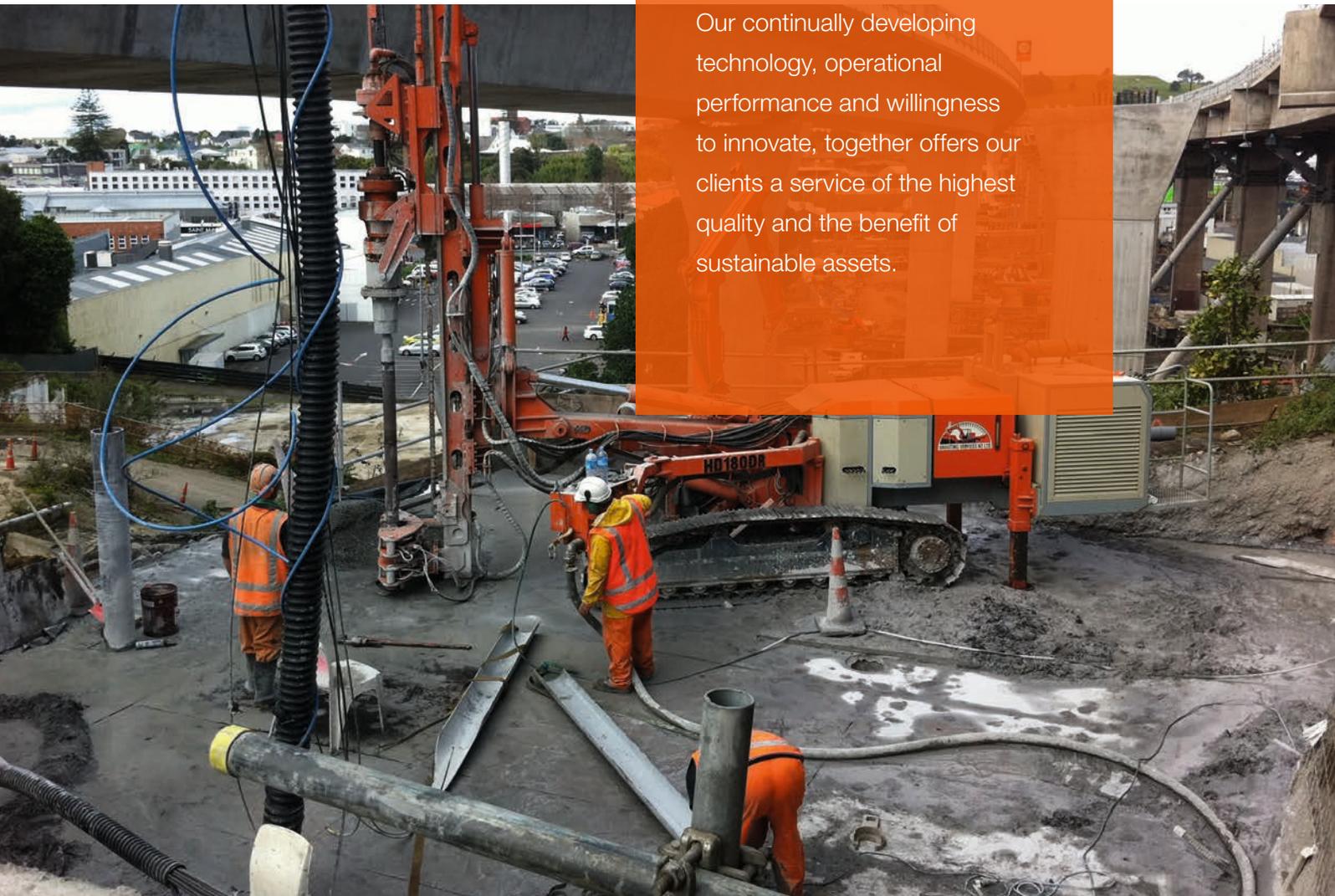
**RETAINING YOUR BUSINESS  
IS OUR BUSINESS**

## CAPABILITY STATEMENT

Grouting Services provides a full range of specialist construction services in the fields of ground anchoring, soil nailing, post-tensioning, drilling and grouting. Our reputation as a construction company in New Zealand has been built on providing practical and cost effective solutions and we have the right mix of people, resources and expertise required to make your next project a success.

Over the years, a tradition of excellence in civil and structural engineering and construction has become one of our top priorities.

Our continually developing technology, operational performance and willingness to innovate, together offers our clients a service of the highest quality and the benefit of sustainable assets.



For more than 40 years, Grouting Services has delivered some of New Zealand's most significant Ground Anchoring, Soil Nailing, Micro-Piling and Post-Tensioning contracts.

- Our services have progressively expanded to meet the growing need for specialist expertise in the civil engineering and construction markets
- We are a knowledge based company with the right skills, experience and resources to ensure consistent delivery of service to our construction partners.
- The success of our business owes everything to our philosophy of creating the right working relationship with our clients.
- Our value proposition is to partner our clients with the goal of optimising the value of their construction investment.
- Our portfolio of work is extensive and balanced across most construction sectors.
- We place significant emphasis on assuring strong team alignment on each project. This is achieved by our flat management structure ensuring you are dealing with the decision makers at all stages of your projects development.



## CAPABILITY STATEMENT

Our multidisciplinary operation specialises in the fields of ground anchoring, soil nailing, post-tensioning, drilling and grouting.

### ■ ANCHORING

Grouting Services is the recognized leader in providing rock and soil anchoring solutions to the civil engineering and construction markets. We design and construct both permanent and temporary anchors using either multi-strand or stress bar. We also have the technology to install removable strand anchors. We have an extensive database of ground anchor testing and geotechnical ultimate bond ruptures in a wide range of materials nationwide.



### ■ SOIL NAILING

The technique of soil nailing was introduced into New Zealand in the late 1980s, and since that time Grouting Services has held a dominant position in the construction market. Temporary or permanent soil nails can be designed and built by Grouting Services and we have retained an extensive database of soil nail testing and geotechnical ultimate bond ruptures in the north island.



### ■ POST-TENSIONING

Post-tensioning is the founding specialist activity of Grouting Services. We have been actively involved in multi-strand and bar stressing for over 35 years and operate the internationally accepted VSL and OVM post-tensioning systems. Our local experience includes bridges, reservoirs, sports stadiums, slabs on grade and suspended slabs. Grouting Services offers a full design and construct service for both suspended slabs and slabs on grade.





## ■ GROUTING

We have designed, engineered and constructed a range of grouting plant suitable for the civil engineering and building sectors. Our pumps are capable of continuous mixing and operating across a wide range of pressures. Our local experience includes road stabilisation, water proof grouting, tube-a-manchette grouting, pre-cast panel and foundation grouting. Water reducing agents and plasticisers are regularly used within our day-to-day grouting operations to improve workability and reduce bleed



## ■ DRILLING

We have designed, engineered and constructed a fleet of specialist drilling rigs to suit local conditions and applications. Heavy duty work is easily managed using our HD180 proprietary anchoring rig designed with double rotation heads to facilitate continuous double drive drilling with casing. Restricted access and low headroom work is easily dealt with using our Comacchio MC 400P proprietary hydraulic crawler rig with remote hydraulic power pack. It is especially designed for work in narrow spaces, inside buildings/basements and small tunnels and therefore well suited to mini-piling and micro-piling applications.



## CAPABILITY STATEMENT

The combination of capability and depth of technical expertise makes us a market leader and supports our reputation for providing value engineered solutions to our customers.

Reflecting on a strategy of continual improvement we are proud to be the sole distributor in New Zealand for Samwoo Anchor Technology, BluGeo GRP Powerthread K60 Bar, OVM Prestressing Systems, Tighter (Kite) Earth Anchors, Grout Grippa Grout Sock (Australasia).

### ■ SAMWOO ANCHOR TECHNOLOGY

Established in 1993, and through extensive and continuous R&D and advanced quality control, Samwoo has established itself as the leading representative of ground anchor systems in Korea. Since Samwoo's initial development of the removable and permanent load distributive anchors, their systems have been employed in numerous applications around the world.



### ■ BLUGEO GRP POWERTHREAD K60 BAR

Bluey Technologies Pty Ltd is a supplier of construction products for major civil engineering infrastructure works. They have brought to market their innovative BluGeo Powerthread K60 GRP Solid Continuous Threadbar (Glass-Fibre Reinforced Plastic) which forms a high load carrying capacity ground anchor and soil nail.



### ■ OVM PRESTRESSING SYSTEMS

With 50 years of experience, OVM is a leading product supplier and specialist contractor in China in the field of prestressing and other special construction techniques. With a strong reputation for reliability, professionalism and innovation, OVM systems have successfully worked on numerous projects and in so doing have achieved worldwide acknowledgement.



# GROUTING SERVICES

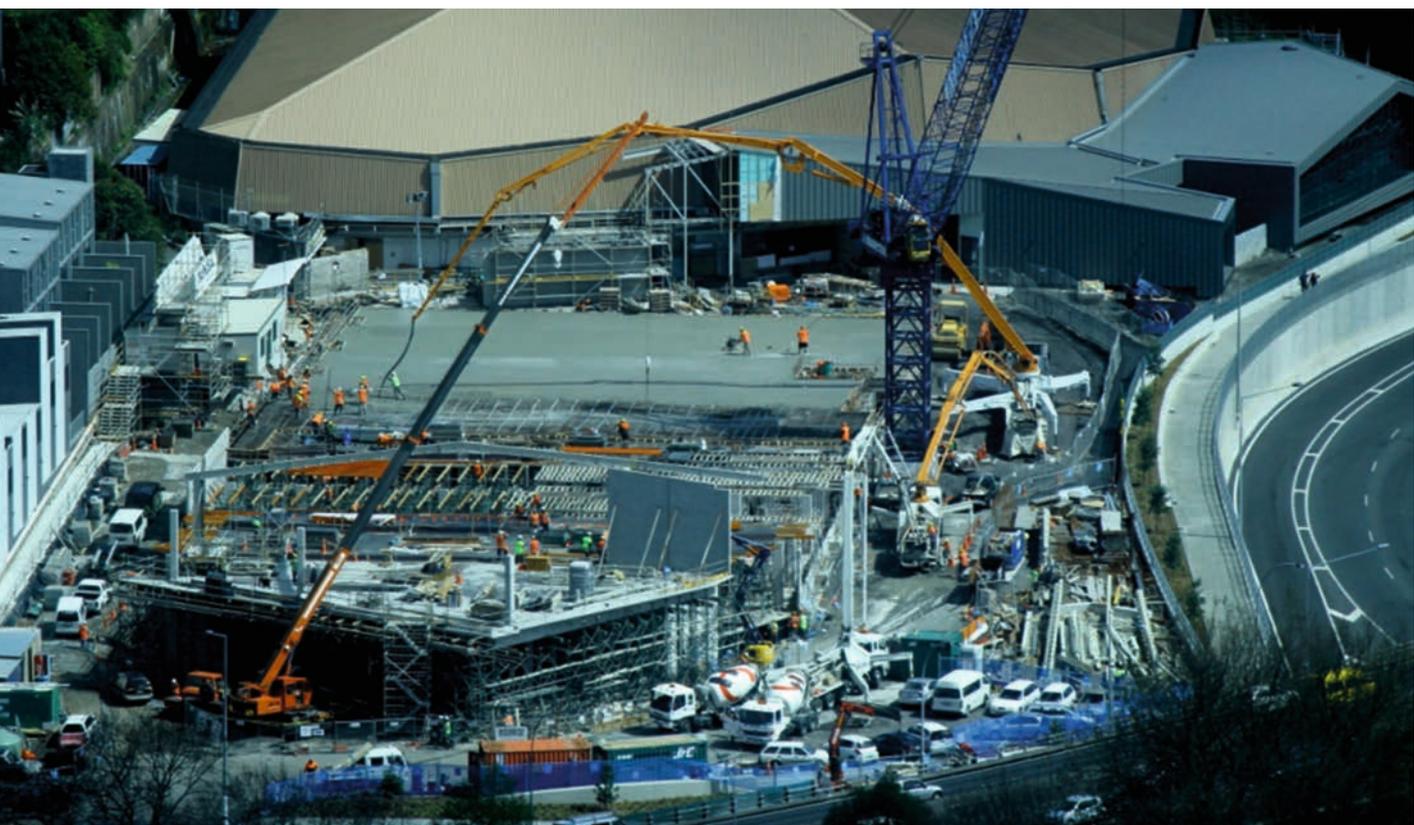
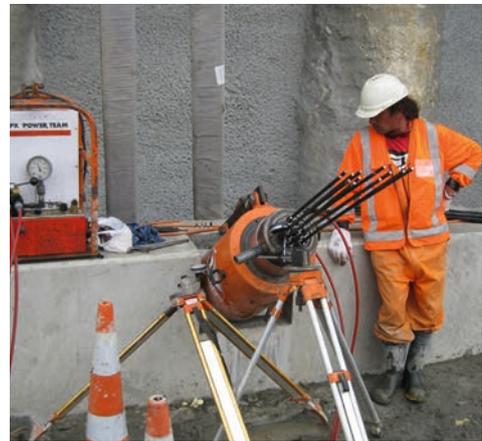
## ■ TIGHTER (KITE) EARTH ANCHORS

Driven earth anchoring systems are now well proven and recognized in the field of Civil engineering. They are a light-weight, cost effective alternative to traditional methods of anchoring. The Tighter Anchor system consists of a head which, when locked in the working position, provides a load bearing surface against which a frustum cone can be developed. The cone carries a load transmitted to the head by a rigid rod or a flexible wire tendon connected to the head by a clevis.



## ■ GROUT GRIPPA GROUT SOCK (AUSTRALASIA)

Grout Grippa is a small family company that has been established for over 10 years in the United Kingdom. The product is a specially formulated geo sock for use as a grout retainer around rock bolts and ground anchors to minimise loss of grout to country which serves to ensure performance of the rock bolt or ground anchor by maintaining the required grout to ground bond strength. The Grout Grippa sock is designed to allow grout to bleed through and moulds itself to the shape of the drill hole. Especially useful when under pinning or stabilising in fissured rock.



Grouting Services have established themselves as a leader in their sector and have earned the respect of their customers. Grouting Services is proudly New Zealand owned and operated.



#### ■ RICHARD TUNNICLIFFE

Richard has been in the construction industry for more than 30 years, joining Grouting Services in 1981. He has formidable knowledge of the construction industry and has played a significant role in many specialist civil engineering projects involving post-tensioning, ground anchoring and grouting carried out in New Zealand.



#### ■ PETER ADYE

Peter has more than 25 years national and international experience in foundation engineering and is intimately involved in all operational aspects of Grouting Services. With a New Zealand Certificate of Engineering (Civil) and a Bachelor of Science Degree, Peter has developed a very professional approach to business and is well regarded by his peers in the industry.



#### ■ DAVID SHARP

David holds a Bachelor of Civil Engineering (Honours), is a member of IPENZ and is registered. David understands the construction implications of design well and has particular expertise in post-tensioning, ground anchoring and soil nailing. He is a solution driven professional with 25 years of progressive engineering experience.

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