

GEOTEK TECHNOLOGY

Re-Levelling & Ground Improvement



- > Highways
- > Residential
- > Waterways
- > Commercial Buildings
- > Utilities
- > Airports
- > Railways

| OUR EXPERTISE

Our range of innovative products have been used in ground engineering projects worldwide for over 40 years. Our materials and application techniques, combined with our teams excellent technical and practicable knowledge, provide value engineered, environmentally friendly and sustainable solutions.

ENGINEERED SOLUTIONS

Our market leading position has been built on expertise and knowledge of the chemistry and how this can be best utilised in our industry. Today we bring all that accumulated knowledge to our customer's projects by offering innovative systems, unrivalled service and support.

| OUR TECHNOLOGY

Our range of polymer resins have been developed specifically for foundation support and re-levelling applications. Our resins and application system saves time, minimises disruption and negates the need to remove concrete structures or soil.

Our re-levelling polymer resins for example provide instant reaction and support, offering precision, controlled lifting along with high strength closed cell foam technology, that is durable, cost effective and environmentally friendly.

Our range of underpinning and ground improvement polymer resins and injection methodology provides optimum and precision distribution into non-cohesive soils under low injection pressure, fully binding the soil particles to produce a fully consolidated, high strength soil composite. Our system is fast, effective and minimises disruption.

| PARTNERING

Normet partners with a network of experienced and highly qualified approved Specialist Contractors. We work hand in hand with our partners on every project, delivering an industry leading service covering the country. This collaborative close working relationship also allows us to collectively share knowledge and experiences, so we continue developing and improving product performance and application efficiency, offering up to date value engineered solutions.

COLLABORATION & KNOWLEDGE SHARING

We also partner with leading industry geotechnical and structural engineering professionals, who work alongside our team with design partnering, support and developing our business.

Our collaborative approach with external research organisations and specialist in the industry enables us to undertake long term analysis and research on our new technology developments, making sure our future products and systems are safe for the environment, sustainable and meet the performance requirements of our industry.



| GLOBAL MANUFACTURING

We operate throughout the world and have manufacturing facilities located in all major countries. This enables us to supply locally, removing the logistic issues faced with importing finished goods, ensuring a reliable supply.

NO DISRUPTION AND DOWNTIME

Our production facilities are state of the art, employing the highest levels of production standards and qualified personnel. Production and logistics systems are customer oriented, ensuring efficient and flexible delivery.

Normet manufacturing facilities are certified to ISO 9001 Quality Management, an internationally recognized standard. This ensures Normet delivers customer satisfaction through controlling product quality and service. By working to ISO 9001, Normet demonstrates commitment and willingness to improve efficiency along with identifying and mitigating risk.



| OUR ENVIRONMENT

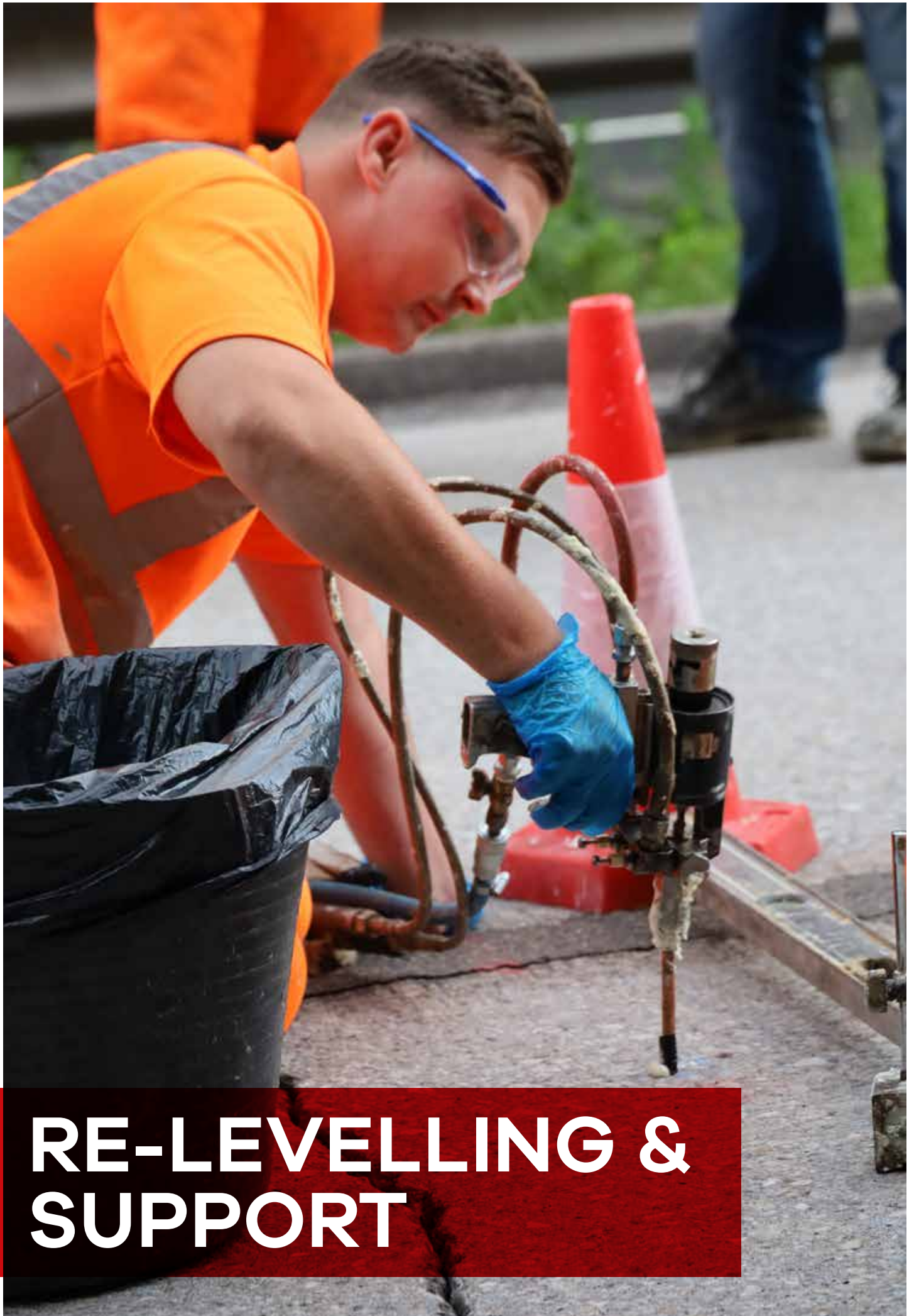
Normet is fully committed in the manufacturing of "green" chemicals and our polymer foam technology has been developed to have the lowest environmental impact on our surroundings. In fact, polymer foam technology is used in everyday life objects such as mattresses to seat cushions and fully recognised and tested to be completely inert.

REDUCING THE CARBON FOOTPRINT

Our polymer resin remedial process leaves the smallest carbon footprint compared to conventional processes. As an example, underpinning with polymer foam requires no excavation, removal of soil or waste and no replacement of concrete. Our process is also very fast, significantly reducing time at site compared to conventional underpinning and re-levelling methods. Our transportation needs are also reduced due to the minimal size of the equipment and compact product packaging, reducing the need for heavy transportation vehicles.



 *Working hand in hand with partners to deliver you industry leading service and support*



RE-LEVELLING & SUPPORT

RE-LEVELLING & SUPPORT

The use of high strength, fast reacting expanding polymer foams are a proven and tested technology to lift, re-level, fill voids and support. The Normet GeoTek SJ polymer foam range makes use of modern innovative technology with polymer resin compounds that have been specifically developed for such applications. Controlled expansion, instant high strength, excellent bearing capacity, chemical resistance and durability ensure that any work undertaken is fast, efficient and effective.

CONVENTIONAL REPAIR VERSUS GEOTEK

Conventional repair methods are time and labour consuming, typically requiring excavation and reinstating with new material. These repair methods are generally costly and disruptive, leading to lengthy repair times and often extended work programs.


The GeoTek SJ range of polymer resin foams and re-levelling and support process offers many benefits.

OUR FIVE KEY BENEFITS

Precision	Controlled lifting with millimetre accuracy
Fast and safe	Structures lifted quickly and supported safely within minutes
Non disruptive	Does not interfere with everyday operations
Economical	Lower costs compared to traditional repair methods
Durable	Strong, stable and does not bio-degrade

OUR RE-LEVELLING PROCESS

Our re-levelling process using the GeoTek SJ polymer foam provides instant precision lifting, support and sub base consolidation. GeoTek SJ liquid resin is injected beneath the slab or foundation, penetrating even the smallest of voids. GeoTek SJ quickly polymerises to form an expansive, high strength foam, generating lift and instant support along with compacting sub grade material. During the injection phase, levelling monitors are used to ensure millimetre accuracy, allowing slabs to be incrementally lifted back to original level.

 *Modern innovative technology providing controlled lifting with millimetre accuracy*



INFRASTRUCTURE & UTILITIES

Fast and effective method for re-levelling and compacting sub-base for highways, roads, airport runways, and rail track beds, offering significant reduction in downtime and closures times compared to road replacement or significant repairs.



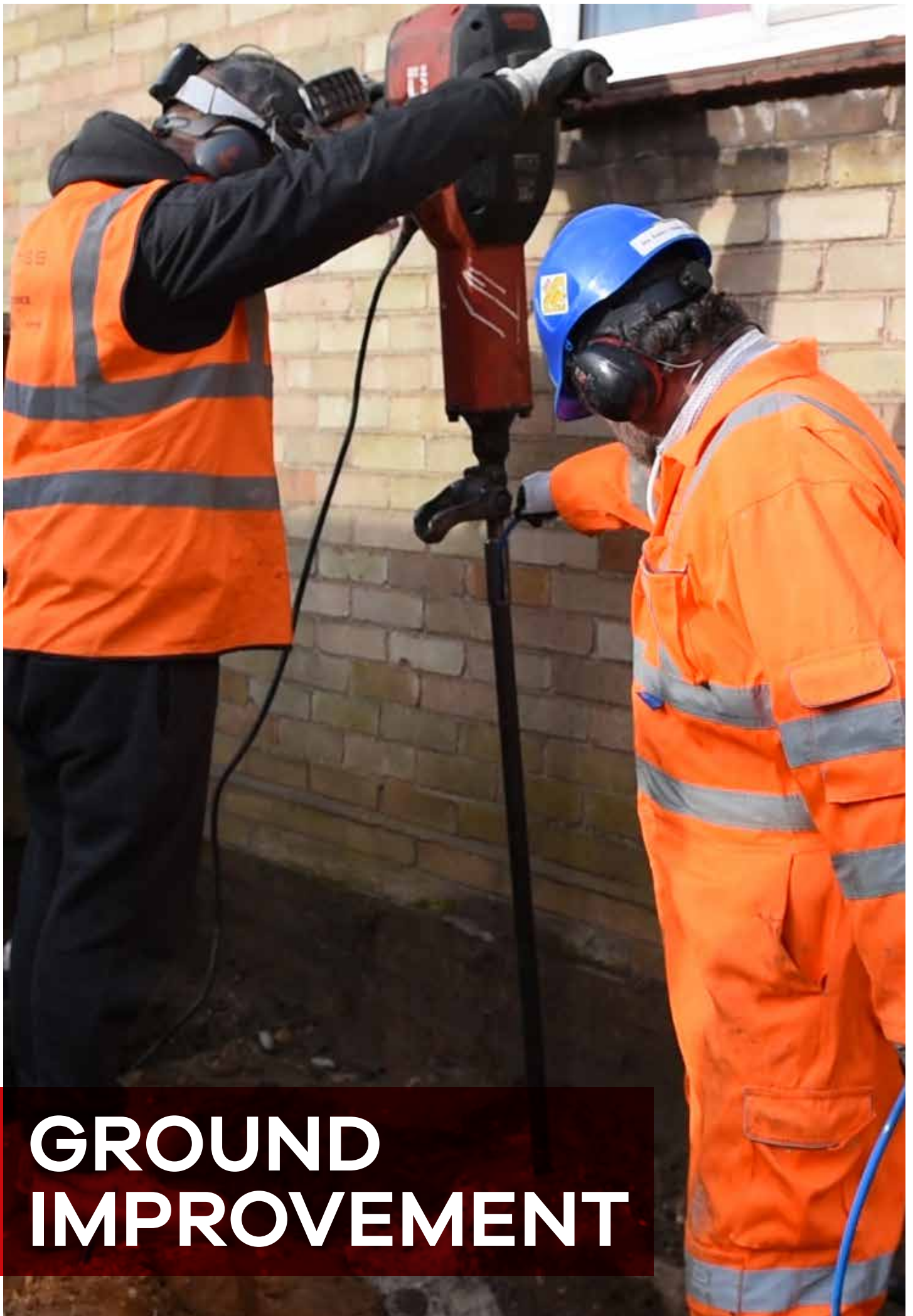
COMMERCIAL & INDUSTRIAL

Uneven floors can cause issues for transportation vehicles such as automated forklifts and commercial delivery trucks along with creating potential trip hazards. The GeoTek SJ system to lift and support is fast with minimum disruption to daily operations.



RESIDENTIAL & PUBLIC

Sunken and sinking floors and pavements can be re-levelled using the GeoTek SJ system, saving considerable time and cost compared to traditional methods with repairs normally completed in a few days avoiding disruption to the occupants.



GROUND IMPROVEMENT

| GROUND IMPROVEMENT

Settlement or subsidence can cause serious damage to a structure and typically expensive to remedy using conventional repair methods, which are often disruptive and can cause more damage.

CONVENTIONAL REPAIR VERSUS GEOTEK

Where subsidence has been caused by loss of soils beneath the structure, i.e. washout or where settlement has occurred due to insufficient bearing capacity, ground improvement using the GeoTek polymer resin system is fast and effective. The process is typically undertaken in a fraction of the time compared to conventional repair methods, is non-intrusive, avoids disruption and requires no excavation, removal and cost of disposing soil or sub-base material.

The GeoTek range of polymer resin and ground improvement process offers many benefits.

OUR FIVE KEY BENEFITS

Engineered	Each project is engineered by qualified experienced technicians
Fast & Effective	Takes a fraction of the time compared to conventional methods
Non Intrusive	Minimal disruption to property owners
Economical	Lower costs compared to traditional methods. No excavation required
Assurance	Manufacturer and application warranty

OUR PROCESS

All projects undertaken by our Specialist Contractor partners are custom design engineered. Using physical site survey information and soil investigation data, they ensure that the contract work undertaken is precise, efficient and in line with expected costs.

Small diameter holes are typically drilled around or within the perimeter of the existing structure and high specification perforated lances installed to the engineered depth and spacing. Our GeoTek polymer resin is then introduced through the injection lances using a low pressure injection pump. The GeoTek polymer resin evenly permeates and distributes into the soil and sub base material where it reacts and cures to form an inert, high strength, high bearing capacity impermeable mass.

 *No excavation required
and minimal disruption*



RESIDENTIAL & PUBLIC

Improve ground and bearing capacity beneath foundations, floors and pavements without the need for excavation. Minimal disruption to the property owners, fast, effective and economical.



INFRASTRUCTURE & UTILITIES

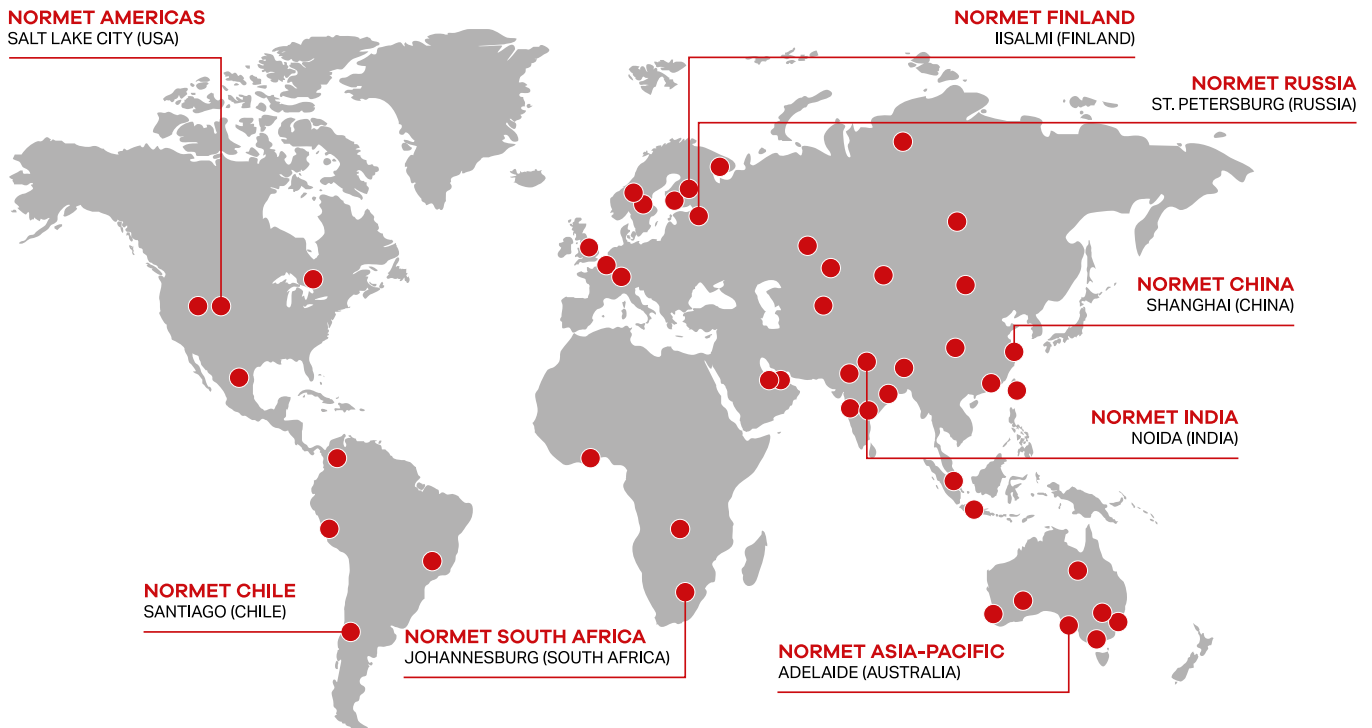
Stabilise roads, runways, slabs, pathways quickly and economically with minimal disruption and downtime. Installation takes a fraction of the time compared to conventional repair methods.



COMMERCIAL & INDUSTRIAL

Support structures and slabs without interruption to daily operations, reducing time for repair and potential loss in business.

GLOBAL PRESENCE / LOCAL SUPPORT



NORTH AMERICA
Canada
Mexico
USA

SOUTH AMERICA
Brazil
Chile
Colombia
Peru

EUROPE
Finland
France
Norway
Russia
Sweden
Switzerland
United Kingdom

AFRICA
Ghana
South Africa
Zambia

ASIA
China
Hong Kong
India
Indonesia
Kazakhstan
Mongolia
Qatar

Russia
Singapore
Taiwan
United Arab Emirates
Uzbekistan

AUSTRALASIA
Australia

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Subject to technical and design modifications without notice. Technical properties have been achieved under theoretical and normal conditions. Please consult the respective machine manual for all matters related to safety, operation and maintenance.