INDUSTRY SECTORS AND APPLICATIONS OVERVIEW
As the world becomes more populous and prosperity grows, demands on urban areas increase, creating the need for redevelopment of many towns into cities and cities into mega cities. Demand on infrastructure services intensifies, as does the need for energy, water and food. The reality is the earth has finite land and natural resources to satisfy these demands, giving rise to an urgent need for new technologies to solve emerging critical problems.

As mines go deeper and cities expand, technology develops to keep people safer by improving productivity and moving away from manual, repetitive work with the risks of accidents and quality issues. Today’s technology is about more than efficient ways of working as technology has increasingly become the source of competitive advantage itself.

Known for its innovation and proven solutions, Minova is a leading global manufacturer of resin, cementitious and mechanical earth control products, adhesives and support equipment. Minova continues to offer innovative solutions for civil engineering, construction and rehabilitation, mining and industrial customers – all building a safer tomorrow, today.

Innovative technology is at the core of Minova.

THE EARTH. UNDER CONTROL.
With more than 135 years of history, Minova is globally synonymous with mining, construction and civil engineering projects.

Since our first beginnings in 1882 in Dortmund, Germany, our company has continued to bring innovative solutions to our customers. Minova has now evolved to be a global leader in ground support and geotechnical solutions for mining, tunnelling and surface civil engineering projects as well as structural maintenance, rehabilitation and remediation.

With a focus on safety, our success comes from customer-connected engineers and chemists who continually innovate and perfect solutions, raising industry standards.

Our solutions comprise a comprehensive range of resins, specialised cementitious products, steel / GFRP and equipment creating a total solutions package.

With over 135 years of history, Minova is synonymous with strata control and geotechnical works for mining, construction and civil engineering rehabilitation projects globally.

Please visit www.minovaglobal.com for more details.

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Our portfolio of products is organized into fifteen application groups. Each of these groups represent a range of products designed to solve practical problems and improve productivity.

Whether enabling safe environments for underground mine workers and commuters in tunnels around the globe, ensuring delivery of clean drinking water to millions or securing mountainsides along thousands of critical roads and railways, Minova provides innovative and reliable chemical and mechanical earth control solutions.

**PRODUCT RANGE OVERVIEW**

Resins and Powder Based Products

<table>
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<tr>
<th>Product</th>
<th>Description</th>
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<tbody>
<tr>
<td>Lokset</td>
<td>ANCHORING GROUTS CARTRIDGES</td>
</tr>
<tr>
<td>TekGrout</td>
<td>ANCHORING GROUTS PUMPABLE, BULK PACKAGED</td>
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<tr>
<td>TekLok</td>
<td>CONSOLIDATION &amp; STABILIZATION BUILDINGS, GROUNDS, SLOPES</td>
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<tr>
<td>TekSeal</td>
<td>SEALING &amp; STOPPING: AIR, GAS, WATER, SEWERS</td>
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<tr>
<td>TekFlex</td>
<td>FLEXIBLE, SPRAYED MEMBRANES</td>
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<td>TekCrete</td>
<td>NON-FLEXIBLE, SPRAYED COATINGS HIGH-STRENGTH, HARDENED</td>
</tr>
<tr>
<td>TekRok</td>
<td>NON-FLEXIBLE, MIX &amp; Poured HIGH STRENGTH, HARDENED</td>
</tr>
<tr>
<td>TekAdd</td>
<td>ADDITIVES, CLEANERS, SOLVENTS</td>
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<tr>
<td>TekFill</td>
<td>CAVITY &amp; VOID FILLING HIGH STRENGTH (&gt; 10 MPA)</td>
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<tr>
<td>TekFoam</td>
<td>CAVITY &amp; VOID FILLING LOWER STRENGTH (&lt; 10 MPA)</td>
</tr>
<tr>
<td>TekLift</td>
<td>STRUCTURAL LIFT &amp; SUPPORT: PIPELINES, ROADWAYS, SLABS</td>
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Hard Goods and Equipment

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<th>Product</th>
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<tr>
<td>TekAnchor</td>
<td>HARDGOODS (GFRP &amp; STEEL): BOLTS / MESH / REBAR ACCESSORIES (COUPLINGS, NUTS &amp; PLATES)</td>
</tr>
<tr>
<td>TekMek</td>
<td>DELIVERY SYSTEMS AND SUPPORT EQUIPMENT</td>
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Manufacturing and Commercial Applications

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<tr>
<th>Product</th>
<th>Description</th>
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<tr>
<td>TekIndustrial</td>
<td>MANUFACTURING &amp; RETAIL PRODUCTS HIGH VOLUME, PRODUCTION COMPONENTS</td>
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<tr>
<td>TekTight</td>
<td>ADHESIVE SYSTEMS GLUES, PRIMERS, RELEASE AGENTS</td>
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Operating Industry Sectors

Minova services the geotechnical, infrastructure, tunnel, and mining industry sectors with focus on providing safe innovative ground support, structural rehabilitation, stabilisation and consolidation solutions all over the World. Each of our regions draws upon a unique set of assets and skills to help customers achieve the most effective solutions.

**THE EARTH. UNDER CONTROL.**
### Geotechnical, Rehabilitation and Tunnelling Projects

<table>
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<th>Associated drilling &amp; grouting equipment</th>
<th>Cementitious grouts</th>
<th>Concrete repair systems</th>
<th>Erosion control mattings</th>
<th>Fiberglass plates</th>
<th>Fibre reinforced bolts</th>
<th>Fibreglass meshes</th>
<th>Gabion baskets</th>
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<th>Steel engineering bolts</th>
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### Coal, Soft Rock and Hard Rock Mining

<table>
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<th>Anchor grouts resins pumpable</th>
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<th>Straps</th>
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</table>
Minova applications and technical engineers offer tailored, smart solutions to the geotechnical challenges of today.

Minova is a global innovator of resins, cements, GFRP and steel products. We provide solutions for ground consolidation, slope stabilisation and erosion control.

THE EARTH. UNDER CONTROL.
Minova innovative solutions lay the groundwork for growing cities by stabilising and modernising infrastructure including bridges, dams, transportation, energy generation and waterways. Whether addressing difficult terrain or isolated areas, Minova has the right solution to manage any environment.

In this modern day, designers and engineers are required to build on top of challenging sites with poor ground conditions. Minova has high performance solutions and application techniques that are safe, time efficient, and create sustainable results.

Minova specialises in anchoring, grouting, injection resins and rock bolting for ground stabilisation, micropiling, rock fall protection, slope stabilisation, and water control.

Minova is at the forefront of solving modern geotechnical challenges.
GEOTECHNICS. UNDER CONTROL.
We improve project results and keep your company competitive with special geotechnical technologies that include stabilisation, sealing, reinforcing, and anchoring. Minova solutions are focused on safety, serviceability and sustainable results for all projects.

**Protecting the environment**
Many projects undertaken today must address the protection of the environment. Products now need to be manufactured using less energy and with a lower carbon footprint.

Minova is meeting that challenge by offering a range of solutions such as GFRP (Glass Fibre Reinforced Polymer) bolts, meshes and bars as well as injectable resins with approvals to be used near ground and drinking water sources.

**Longer design life**
Project specifiers demand longer life cycles for materials, with service lifespans commonly exceeding 100 years. Minova remains at the forefront of innovative developments leveraging solutions that meet the needs of geotechnical projects. Our product range includes protective coating systems for steel elements, as well as a broad range of composite technology products for bolting and reinforcement. Our solutions also include long life resins and specialty cementitious products for every environment.

**Reinforcement and support**
Our bolting, anchoring and micropiling offering is one of the most comprehensive available, addressing geotechnical challenges for both surface and underground applications. We are setting new standards for the industry with versatile, durable solutions. The Minova micropiling SDA System is an industry leader with Global Technical approvals for permanent structures.

Our GFRP bolts, mesh and structural elements help lower the carbon footprint in manufacturing and in transportation. Through the development of protective coatings like TwinCoat for use with our steel products and our combined technologies with our grouts, we optimise the life cycle or LCA of steel elements.
Apart from grouts for securing structural elements, such as rock bolts, anchors or cables, grouting in geotechnical applications covers a wide variety of purposes. These include foundation work, sealing of trenches, curtain grouting, increasing load bearing capacities of piles, as well as sealing against water ingress or leakage.

The choice of material and technology depends on grouting purpose, type of environment to be grouted and the required pumping and transport distance of the grouting material.

Ground conditions are very specific to the geology and the project to be undertaken.

Determining the right solution saves time, money and improves the quality of the finished project.

Cement-based products are widely used because of their ease of application. Specialty cements developed by Minova offer improved solutions to the challenges geotechnical engineers constantly face.

Due to their characteristics, Minova resin technologies offer higher penetration rates when compared to cement-based material. They can set instantaneously when pumping stops or when in contact with ground water. Quick reaction speeds and high strength make them highly resistant to wash out by pressurised water and they can seal inflows even in extreme cases. Resins offer greater ability to absorb energy (flexibility) and can be applied in hot or near freezing temperatures.

The Minova specialty range of products is designed to meet or exceed typical industry performance requirements and come in various cementitious or resin formulations.

**Sealing and Water Control**
Prevents or reduces inflow into underground structures, to stop erosion and structural instability.

**Strengthening**
Increases the original rock and soil parameters: compressive strength, shear resistance, tensile strength, cohesion.

**Filling**
Filling of empty spaces including cavities or over-breaks to control rock movement, annulus grouting, and air dam barriers.

**Consolidation**
Consolidation by grouting fills rock mass discontinuities. Reduces the compressibility of the soil matrix in construction applications.
We partner with you to help control the biggest risks.

Minova is known globally as an innovator of ground support solutions for the underground mining, construction, tunnelling and civil engineering industries.

THE EARTH. UNDER CONTROL.
Constructing a tunnel means building public infrastructure which will last for decades. Tunnels are built to support modern life: to make traffic flow better, to shorten distances and to connect locations.

Tunnels must not only be efficient when designed and constructed, but also safe and reliable for years to come. With a time perspective measured in decades or centuries, we expect tunnels to allow for the passage of millions of people and of millions of tons of goods through them.

This is where Minova partners with you to build reliable and sustainable tunnelling solutions.

**Designing for a lifetime**

Securing tunnels is a complex business, which is not only about rapid solutions for today, but applied expertise in dimensioning and designing the tunnel support using products that last the lifetime of the tunnel.

The support solution should account for geological changes, impact from traffic loads, water levels and risk of leakage. Also of paramount concern is the tunnel’s environmental impact today and in the future.

**Decades of experience**

Minova combines decades of tunnelling expertise with world class products designed specifically for mechanical and chemical support that solve even the most challenging projects. Providing total support solutions makes us a clear choice as your partner for tunnelling projects – from design phase to refurbishment.

Minova strives to maximise safety and sustainability both in the short-term and the long-term.

**Tunnelling is about immediate reliability and long-term sustainability.**
TUNNELLING. GROUND CONTROL IN TUNNEL CONSTRUCTION AND REFURBISHMENT.
1 Slope stability (netting, geotextile, bolts, grouts, injection resins)
2 Cement roads repair (slab jacking)
3 Manhole and cement pipe repair
4 Pipe roofing
5 Chimney, void and cavity filling
6 Micropliing / tunnel expansion
7 Cement repair systems
8 Shotcretes and sprayed cements
9 Roof bolting and grouts
10 House pipe repair (sewer), spot and long liners
11 Roof support mesh and bolting
12 Backfill repair and consolidation
13 Injection resins and gels for crack repair
14 Injection, consolidation
15 Micropiling and underpinning / overburden consolidation
16 Chimney, void and cavity filling
17 GFRP bolting
18 Water control (injection resins)
19 Cement repair systems
20 Foaming resins / TBM support and recovery
21 Spiling and forepoling
22 Sprayed liners for repair
23 Rail ballast bonding
Minova supports all the main methods of tunnel construction including continuous, cyclic, and cut & cover methods.

Regardless of the method, support is needed before, during and after the tunnel is excavated or built – to maintain safety and sustainability. With our history in mining, our products have been proven to work even in the toughest conditions.

A significant part of the rock deformation, caused by a change in rock stresses, occurs ahead of the excavation face. In hard rock about 10% of the deformation happens ahead of the face, while in soft ground it can be up to 50%. This means that pre-support is needed for tunnel advancement.

**Tunnel refurbishment**

Many of the world’s tunnels are beyond or nearing the end of their original designed life expectancy. These tunnels need to be refurbished by either rebuilding them or restoring them in order to increase capacity, prolong service life and improve safety. Often tunnels must remain operational while this refurbishment is undertaken. Our fast-acting products are ideal for these scenarios.

Minova improves safety during tunnel construction and throughout the operational life of the tunnel.
With pre-support, we secure the ground for excavation of the tunnel. The rock is stabilised ahead of the face to reduce rock deformation before excavation. The pre-support is executed from a secured area and eliminates working in unsecured areas. A proper pre-support also reduces the risk of collapsing roof or face during excavation.

When excavated, the tunnel is further strengthened and secured for both continued work and for future operation. Rock reinforcement stabilises the ground and extends the natural arch of the rock. Reinforcement prevents further loosening of rock mass and reduces rock deformation caused by excavation.

To further stabilise the tunnel and to provide water control, the tunnel is sealed with a temporary lining and then a permanent lining is installed to secure the tunnel during its working life.

The tunnel can be further strengthened to extend the tunnel life and increase safety. Depending on the condition of the tunnel and geological environment, additional reinforcements and water sealing may need to be applied over the course of the tunnel lifetime.

- Cavity filling
- Face stabilisation
- Forepoling
- Roof support
- Water-stopping
- Injection sealing to reduce influx of water and to prevent ground movement in cracks
- Rock strengthening through rock bolting
- Thin Structural Liners (TSL)
- Cavity filling to eliminate future ground movement
- Injection sealing to close cracks and fissures in the ground
- Lining to create a smooth surface and redirect water ingress
- Mesh to prevent loose rock falls
- Spray applied membranes to prevent water ingress
- Sprayed concrete or TSL
- Cavity and back filling
- Relining
- Rock consolidation to secure any ground movements that may have occurred
- Water stopping and sealing
Minova offers designed engineered solutions based on decades of practical experience and innovative technology.

Minova is the leading supplier of cementitious grouts, resins, steel and GFRP based products, associated pumps & equipment and services for use in the civil construction industry.

THE EARTH. UNDER CONTROL.
Over time, aging structures require repair and restoration. To keep up with urban population growth, infrastructure will continually need redevelopment and upgrading.

Maintenance and design upgrades for airports, bridges, dams, roads, railways, tunnels, buildings, subdivisions, sewer systems, and water reservoirs are critical for sustaining quality of life and safety. Minova has the right combination of products to repair, restore and remediate a wide range of infrastructure projects.

Minova understands remediation work is more complex, costly, extensive and time consuming with inherent environmental requirements for any project. Our designed integrated solutions address these requirements.

Minova is there every step of the way with a wide array of high performance products.

The Minova range of products includes:

- Cementitious and micro-cementitious grouts
- Epoxy resins
- Methacrylate gels
- Phenolic resins
- Polyester resins
- Polyurethane resins
- Silicate materials
- Steel & GFRP Products
- Pumps and Equipment
- Consulting and Installation Services
As cities grow, the need to utilise underground space increases. At the same time repair and rehabilitation of foundations and old buildings require smart solutions.

Untreated cracks deepen causing corrosion of the reinforcing steel which severely weakens the load bearing capabilities of a structure. Minova provides products that address the rehabilitation and repair of cracks and fissures before they lead to structural failures.

Underground places
Water ingress into underground spaces, such as car parks and cellars is common as original sealants age. Over time, building settlement can lead to cracks that allow for water ingress if left untreated.

Minova technology offers injectable cements, foams and resins with flexible properties that prevent future crack expansion. Our high-performance products adhere to damp or wet surfaces with tolerance to frost or ice. They work well in higher ambient temperatures and are resistant to water under pressure. Minova offers the right solution for underground rehabilitation projects.

Cracks in service tunnels and sewers can experience high external ground water pressures. This can lead to the erosion of the ground around the tunnel or pipe exterior. A single product or combination of injectable products may be designed to function effectively against groundwater pressure. Minova products consolidate the ground, create umbrellas or plugs, repair cracks, fill cavities, and act as sealants and wall repair agents.

Minova offers leading edge technologies providing a specialised range of sulfate resistant sewer repair lining resins, injectable resins and pumpable or sprayable cementitious systems.

Joint sealing
The repair and sealing of joint defects in pipelines and tunnels often requires injectable resins and gels. These products may similarly be used to repair tunnel linings.

Our products offer technical advantages such as flexibility, superior adhesion, excellent consolidation and superb water sealing capabilities as well as environmental approvals.
Natural instability in slopes and in areas exposed to erosion such as bridge pillars, canals and coastal waterways often require remediation work. Minova supplies the total solution by offering a broad range of anchors, bolts, meshes, cements and resins.

The repair and lifting of concrete-paved roads requires specialised expertise with leading edge technologies. Working closely with our customers, Minova has developed a range of silicate and polyurethane based resins for this type of remediation and repair.

**Our customers greatly influence our development**

Minova SDA® micropiles, have European Technical Approvals for permanent applications. They also enable work to be performed in tight spaces with limited access or height restrictions. When combined with Minova grouting materials, micropiling, and underpinning applications become a total solution.

**Green technologies for rehabilitation projects**

As the world looks for more environmentally sound solutions, Minova has developed products that comply with ground and drinking water requirements. Our GFRP range of composite bolting and reinforcement products offer massive potential savings in CO₂ gas emissions for rock support. These lighter weight, high strength materials offer lower transportation cost / weight and reduce the associated carbon footprint, allowing for easier handling and workability on-site. Minova composite solutions have a broad range of application including existing asset projects such as airports, train lines and bridges that require upgrade, repair and remediation work.

Minova solutions are smart, durable and tailor-made for use in dams, canals, sluices and other waterway projects. They are equally ideal for use in structural repairs to bridges, tunnels and buildings.

**Preserving history**

Timely repairs preserve what is irreplaceable. Minova rehabilitation projects include restoration of ancient sites and historic buildings. Our product range is sensitive to these historic treasures and robust enough to protect and reinforce these structures, bringing them back to past glory.
Minova is the leading manufacturer and supplier of resin and cement-based mining solutions, strata support systems, associated equipment and services for rock bolting and ground consolidation.

Minova provides custom-engineered solutions to mining challenges by drawing on more than 135 years of specialised industry experience.

THE EARTH. UNDER CONTROL.
Safety, productivity and asset optimisation are key drivers in the mining industry. As ground conditions worsen, ore grades reduce and mines dig deeper, miners face increasingly difficult situations.

The challenges and demands faced by hard rock and coal miners differ, but they share common concerns such as bolting times and rock support requirements. Automation has increased in mining in recent decades; however, bolting remains a bottleneck for operations. For decades, Minova has been a leader in developing innovative bolts, resins and mechanical solutions – leading to improved safety and cycle times in automated bolting operations.

Rock bolting became widespread in the 20th century with the development of fully column grouted bolts. The early grouting systems were bulky, clumsy and complicated. Minova developed, Lokset®, pre-packaged two-part polyester resin that rapidly transformed the mining industry for manual grouting applications.

The Lokset mining innovation transformed capital equipment globally and is part of standard automated production practices.

Deeper mining operations face new rock mass stresses. Minova offers the next generation of bolting technology solutions that manage convergence and dynamic events such as rock burst.

Minova provides the most comprehensive range of products for bolting. Our solutions include: bolts & accessories, meshes, and grouts that meet the conditions common in both hard rock and coal mining. Our quality control, from raw materials through finished goods, combined with our knowledge of bolting applications provides our customers with a total solution.

Globally, Minova is the leading supplier of smart solutions for roof support, consolidation of surrounding rock and improved safety to the mining industry.

Minova is an integral part of mining operations addressing the broader needs, including:

- Backfilling Applications
- Cavity Filling
- Chute Linings and Repairs
- Dust Control and Management
- Rock Fall Recovery
- Rockfill Consolidation
- Roof and Wall Support
- Stabilisation of Slopes and Ribs
- Tailings Dams
- Ventilation Control
- Water and Gas
Solutions for Coal and Soft Rock Mining

For more than 135 years Minova has been a global leader in providing safe environments in extremely fractured and fluid ground conditions. We understand the specific requirements around coal production.

1 Dust control
2 Mesh & rock bolts
3 Roof and ribs support resins, cements, shotcrete, sprayed liners, bolts, mesh
4 Pumpable cribs
5 Gas seals
6 Ventilation control
7 Long distance pumping systems
8 Injection resins (water control)
9 Roof and ribs control (bolts, grouts, meshes)
10 Injection resins (consolidation)
11 GFRP bolts
12 Rockfall recovery resins, cement, bolts
13 Backfilling stabilisation
14 Longwall recovery resin, cements, GFRP bolts
15 Long distance pumping systems
16 Longwall stabilisation resin, cements, GFRP bolts
17 Voids and cavity foams and fillers
Solutions for Hard Rock Mining

Minova is a leading manufacturer of products used in underground hard rock mines. From production of gold, copper and platinum to diamonds and precious stones, our products are designed to create safe and productive mine environments.

1. Tailings dam repair
2. Dust control
3. Water control (injection resins)
4. Roof and wall support resins, cements, shotcrete, sprayed liners, bolts, mesh
5. Backfill consolidation
6. Mesh, shotcretes & sprayed cements
7. Spiling
8. Roof bolting and grouts
9. Rock fall recovery
10. Crown pillar repair
11. Convergence and dynamic bolting systems
12. Raise bore support and recovery systems
13. Artificial pillars
14. Void and cavity filling
15. Draw point repair
16. Ore chute plugs
17. Ore chute repair
18. Crusher liner repair
For decades our products have been used as part of the production process in longwall coal and hard rock mining. Minova provides GFRP bolting technologies and injection resins that form a secure, cuttable face, improve rib support and prevent collapse.

Minova GFRP (Glass Fibre Reinforced Polymer) bolts are made with high density fibre that provide miners safety underground while offering corrosion resistance, high tensile strength, low weight, good ductility and handling ease. In production situations, once the rock is broken and ready for processing transport, broken fragments of GFRP are less abrasive than steel bolts, reducing wear and tear on downstream equipment, such as conveyors and crushers.

Minova Resins
Space and transport access remains tight in mining, making the use of pumping equipment close to the face problematic. Minova manufactures Capcem® cement and Lokset® resin capsules for use in these constrained areas, minimising the need for extra equipment at the face.

Broken ground or fissures experienced in mining operations sometimes limit the benefits of using resin cartridges due to the loss of resin into the cracks. Our pumpable injection resins consolidate the rock mass around the borehole, optimising the encapsulation of bolts.

Water ingress and gases remain constant ever-present hazards in mining. The Minova range of sealing solutions is designed to meet various requirements. Resins with low exothermic temperatures of less than 60°C (140°F) with excellent strata penetration are just one of many standard products available.

Minova GFRP products provide miners safety, corrosion resistance, high tensile strength, low weight, good ductility and ease of handling and safety.

- Only manufacturer with a complete GFRP product offering
- Bolts, rebar, hollow bar, cable, mesh, and accessories
- Complete line of complimentary resins, grouts, and gels
Minova is your trusted partner in safe, more efficient mining.

Minova offers proven technologies for safe and efficient production in all areas of mining making Minova an integral part of any mining operations.

Our mining customers look to Minova engineers to be trusted partners that add value to their operations, help improve safety and boost productivity.

**Minova long distance pumping solutions**

Two-component injection resin grouts can be used to stabilise the face when combined with long distance pumping technologies, thereby reducing clutter from the limited space at the mine face. Pumping distances of up to six kilometres can be achieved using this technology.

**Solutions from Minova include:**

- Anchorage Capacity Pull Testing
- Artificial Pillars / Supports
- Backfilling Applications
- Blast / Vent Control
- Bolter RPM & Torque Measurements
- Borehole Scoping
- Cavity Filling
- Chute Linings and Repairs
- Crown Pillar Repairs
- Crusher Linings Repair
- Draw Point Services
- Dust Control and Management
- Gas Sealing
- Ground Water Control and Sealing
- Load Cell Testing
- Long Distance Pumping Systems for Injection Grouting
- Ore Pass Plugs Repair, Install, and Remove
- Pillar Recovery
- Pumpable Crib
- Raise Bore Shaft Repair
- Rockfill Consolidation
- Rock Fall Recovery
- Rock Stabilisation
- Roof Support
- Stabilisation of Stopes and Ribs
- Tailings Dams Repairs
- Time Studies
- Ventilation Control
- Water and Gas Sealing
In many ways, the core benefit of Minova products and services is safety. Whether creating safer environments around the globe, ensuring delivery of clean drinking water to millions, or securing mountainsides, Minova provides innovative and reliable resins, grouts, gels and mechanical earth control solutions.

THE EARTH. UNDER CONTROL.
Minova™ is a Division of Orica Limited. We are a leading global manufacturer and supplier of chemical and mechanical earth and water control products, specialised adhesives and anchoring systems, foams and cementitious products.

**OUR PURPOSE**
Our purpose is to make our customers successful, every day, all around the world. We take pride in operating safely, responsibly and sustainably. Together, these enable us to grow and create enduring value for our stakeholders.

**OUR STRATEGY**
We aim to be the trusted partner of choice for our customers, by creating, developing and delivering mining, civil construction, industrial and ground control solutions that help them be more productive and manage their critical risks. We do this by bringing together: the best people; high quality products and services; safe, secure and reliable supply; and unmatched technology that creates value for our customers, today and tomorrow.

**Safety** is our priority. Always.
The most important thing is that we all return home, safely, every day.

- We care and take accountability for everyone’s safety and wellbeing, including our own.
- We recognise the risks we face in our work and follow all safety controls.
- We speak up when we see hazards or causes of potential harm.

**We respect and value all.**
Our care for each other, our customers, communities and the environment builds trusted relationships.

- We treat everyone fairly, with dignity and we value diversity.
- We work with our local communities to contribute positively.
- We find ways to minimise our impact on the environment in all our actions.

**Together we succeed.**
Collaboration makes us better, individually and collectively.

- We freely share information and ideas with our colleagues.
- We are a team. We take accountability and responsibility for our team’s performance.
- We partner with our customers for a better understanding and result.

**We act with integrity.**
We are open and honest, and we do what is right.

- We are transparent in all our communications.
- We always demonstrate ethical conduct and sustainable practices.
- We are trusted because we do what we say we will.

**We are committed to excellence.**
We take accountability for our business and for delivering outstanding results.

- We bring our best effort every day and trust our colleagues to do the same.
- We understand our tasks and how we contribute to Minova’s overall success.
- We look for ways to deliver higher performance and adapt swiftly to changing needs.