



**DSI**  
**UNDERGROUND**  
A SANDVIK COMPANY



**Corporate  
Brochure**  
*Reinforcing Progress*



# **Reinforcing Progress**

***Mining and tunneling make a vital contribution to human progress. As a specialist supplier to the sector, DSI Underground helps reinforce this progress – for our customers, and the world.***



***Helping you achieve your objectives – safely, sustainably and cost-effectively.***

Whether it's providing commodities or helping big cities go underground, mining and tunneling are vital to human progress.

But as operations go deeper and into more complex and challenging environments, progress comes at a cost – not least in terms of labor, equipment, and increasing legislation. Safety remains a critical focus, while the world demands a sustainable approach with minimal impact on local communities and our planet's ecology. These are substantial issues, and mining and tunneling companies have a major responsibility for driving progress, responsibly and cost-effectively. As an industry and cost leader, DSI Underground supports them as they work towards these goals.

By securing the walls and roofs of their tunnels, mines and underground structures, safeguarding the well-being of their people and the environment and improving the efficiency of their business, we play a critical role in helping them achieve their objectives – safely, sustainably and cost-effectively. In so doing, we also contribute to human progress, helping make the world a better place tomorrow, than it is today. This is what we mean by reinforcing progress, and this brochure shows how we achieve our objectives.

**Michael Reich**  
DSI Underground CEO

***An industry and cost leader, DSI Underground drives efficiencies into mining and tunneling companies.***



# ***A Proven Track Record of Driving Progress***

## ***DSI Underground has a proven track record of driving progress and safety in underground operations.***

Worldwide, we employ over 2,000 people, including specialist engineers, and have a presence in 70 countries. We are always available with recommendations, advice and hands-on support

to solve your technical challenges and keep your businesses advancing safely. Our philosophy is FORWARD, and it's reflected in our values:



*We are always available with hands-on support to keep your businesses advancing.*

**We are...  
Tenacious.**

Whatever the challenge, we work tirelessly to find a way forward.

**We are...  
Reliable.**

Our people, products and supply chain keep our customers' businesses moving forward efficiently.

**We are...  
Agile.**

We respond quickly to every request, helping customers forward plan with confidence.

**We are...  
Responsible.**

Upholding the very best in social, ethical and environmental commitments to benefit all.



*Working alongside you, we help drive your operations forward, efficiently and cost-effectively.*

# *Mining*

***We are where you need us.***

Present in all key mining territories, including APAC, Europe & CIS, North America and LATAM, our products are used extensively in both soft- and hard-rock mining projects worldwide.

We are trusted by national and international companies and contractors who rely on our global strength and supply chain to deliver on-time and at the most competitive cost.

Complying with all technical standards, our solutions cover every application – from shaft sinking and horizontal drift excavation through to shaft rehabilitation and emergency support. They also embrace new and emerging technologies such as connectivity and 'digital twin' to drive cost-saving and efficiencies into our customers' operations.

Our engineers come from the mining sector, bringing years of experience and understanding, while our supply chain can be customized to meet precise requirements. As mines become deeper, more remote and technically more challenging, the ability to source solutions from one reliable and cost-effective supplier is more important than ever.



# *Tunneling*

***We have the ability to solve every application challenge, whatever the ground conditions.***

A trusted supplier to tunneling contractors, construction specialists, and civil engineering companies worldwide, our products and systems have been used on countless projects including the NorthConnex Tunnel (Australia), the Brenner Base Tunnel (Austria), Eglinton Crosstown Light Rail Transit (Canada) and the Alto Maipo Hydroelectric Power Plant (Chile).

Wherever we work, our expertise, reliability and competitive pricing add value to operations, helping reinforce the progress of tunnels as well as the economic growth of countries and regions.

As a complete and proven system supplier, our solutions cover both excavation and ground support systems including injection resins, self-drilling products and the globally respected AT – Pipe Umbrella System. Supported by a dedicated team of tunneling engineers with first-hand experience of front-line operations, we have the ability to solve every application challenge, whatever the ground conditions. Where required, we'll design and develop customized solutions.

Today, as cities go underground and projects become more ambitious, we're evolving our capability to support the sector with new technologies including automation, dynamic rock-bolts and smart devices to drive productivity improvements.







*Working side by side, we help you  
make progress, safely and sustainably.*



# ***Reinforcing Rock and Ground***

***We supply the world's most extensive choice of ground support products and systems.***

Featuring some of the world's best-known brands – including OMEGA-BOLT®, FASLOC®, Mine Fill and the DSI Hollow Bar System – ours is a complete and cost-effective end-to-end solution, all from one reliable source to simplify your operations and procurement activity.



## ***Our portfolio includes:***

- Rock bolts and anchor systems
- Passive support products including profiles, girders, mesh and rock bolt straps
- Injection resin/chemical systems and cartridges
- Mineral construction materials
- Self-drilling systems
- Drainage drilling systems
- Pre-support systems including pipe umbrellas, spiles, and fore-poling boards
- Selective active support solutions

# **Supporting Safety and Quality**

**Proven and tested products  
with competitive pricing.**

ISO 9001:2015 certified, we are a global business with 20+ state-of-the-art manufacturing plants to ensure we're close to our key markets.



With significant production capacity and scalable resources, we're able to meet every demand, including urgent and high-volume orders. And as a major global player, we exercise our buying power to deliver highly competitive pricing in every market we serve.

In all our activities, safety is a constant focus. In product design, we embrace advances in technology to make continual improvements. In manufacturing, we source high-quality materials from trusted suppliers. We set rigorous standards for testing to ensure total quality and compliance with all international standards and regulatory requirements.





*Critically, our products have been proven in applications worldwide, so you can trust them to keep your people safe and to advance your operations without delays or downtime.*





# ***Enhancing the Supply Chain***

## ***Reliable delivery and local support.***

We are able to create customer specific logistic solutions which minimize inventory as well as cost and disruption.

We understand the importance of receiving the right orders on time to keep operations moving forward. We also recognize the challenges of working underground, including fast-changing ground conditions and the pressure this places on engineering teams. For contract items and emergency supplies, fast and reliable supply is essential – and we have established a world-class supply chain to deliver it.

With 20+ distribution centers, our sophisticated supply chain connects every continent, ensuring a seamless flow of products across borders. In addition, we have a physical presence in over 70 countries, so our people and solutions are never far away. Working closely with our customers and suppliers, we are able to create customer specific logistic solutions.

And we continue to invest in state-of-the-art processes and tools, including 'digital twin' which gives our customers instant online visibility of their inventory, saving time and increasing warehousing efficiency. By continually enhancing our supply chain, we also consistently enhance your operations.



# *Extending Your Team's Capability*

## **Accessible expertise for complete reassurance.**

Working in your territory, our teams deliver tailored solutions and on-site support including testing, installation, and supervision.



Mining and tunneling present unique engineering challenges and demand very specific skills and technical understanding. This expertise runs through our teams. Many have worked extensively in these sectors, often for our customers. Our team understands your culture and bring the benefit of experience and first-hand insight into your challenges.

They also deliver a wide range of added value services, from customized training and expert consultancy, through to support on specification and regulatory processes. In the event of emergencies, we are on hand with expert advice and solutions – all backed up by first-class technical resources.







*We work shoulder to shoulder as a skilled and qualified extension of your team. And in a sector facing a critical skills shortage, this is invaluable.*

# *Enabling Innovation*



***We invest to drive improvements, helping make underground operations safer, easier and more cost-effective.***

We are witnessing a technological revolution in the underground sector. Automation is enabling the safe and remote operation of equipment, while smart technology allows the real-time monitoring of performance to drive cost and productivity improvements.





*Keeping customers in touch with technological advancements.*

Industry 4.0 and the digital mine are here now, while in the near future drones and even 3D printing may drive a major step change in logistics.

The benefits are compelling, but the risk and cost of investment are high. Working with academia and our technology partners, we are committed to driving technological advances into the sector, and to making innovation accessible and affordable. Our portfolio already includes many global patents, and we continually invest in R&D and product development to drive progress.

Among recent examples, we have launched 'digital twin' to provide online transparency of our customers' inventory. We have also introduced connectivity into key products to help engineers and operators benefit from smart technology.

Where we see potential, we explore. Where we see a benefit, we invest to drive improvements into our customers' operations, helping make underground operations safer, easier and more cost-effective.



*DSI Underground's injection resin made it possible to extend the Soma Eynez mine on three levels. This rich source of meta-lignite helps power Turkey's energy strategy.*



# **Developing Sustainability**

***We partner customers on  
a responsible journey.***

We are helping our customers find a balance between commercial and environmental demands.

Sustainability has become a defining objective for our customers. Responsible to their shareholders, and to the environment and local communities, they are striving to drive sustainable improvements into their work. We're taking important steps to support these aims and help them find a balance between commercial and environmental demands.

This includes ensuring our products provide enduring service, with the least possible impact on the environment. It means working with suppliers who share our focus. It means the careful selection of materials, and driving efficiency throughout our supply chain to minimize costs and our carbon footprint.

We have a long-term commitment to exceeding national and international standards and to driving ethical and sustainable working practices into everything we do. This is embedded within the 'DSI Underground Spirit', a robust code of conduct in business practice. Defining our ethical philosophy, this is the basis for building sustainable partnerships based on trust and mutual objectives.

# *Improving Business Performance*

## **Helping to improve your productivity and performance.**

Whatever your objective, we reinforce your progress towards it. ISO 9001:2015 certified, we are a global business with state-of-the-art plants to ensure we are close to our key markets.

Committed to total quality and compliance with all international standards and regulatory requirements, we design, manufacture and test everything in-house - from iron and steel support and rock bolts to injection resins and chemicals. With significant manufacturing capacity and scalable resources, we are able to meet every demand, including urgent and high-volume orders. And as a major global player, we exercise our buying power to deliver highly competitive pricing in every market we serve.

In all our activities, safety is a constant focus. In our workplace, we follow strict procedures and monitor performance through detailed KPIs. In product design, we embrace advances in technology to make continual improvements. In manufacturing, we source high-quality materials from trusted suppliers.





*As a major global player, we exercise our buying power to deliver highly competitive pricing in every market we serve.*



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