A HISTORY OF INNOVATION.
Today, 3M is recognized around the world for our scientific and engineering innovations, but over a century ago, we began as a mining company. It is this firsthand knowledge that gives us a unique point of view in the industry.

From enhancing site safety and productivity to helping protect workers and their environment, 3M has been solving the challenges facing the mining and metallurgy industry from day one. We’re continually combining our global resources, local expertise and extensive application development capabilities to not only meet but exceed the needs of our customers.
CREATING BETTER WAYS,
The world of mining and metallurgy is extremely demanding, with new obstacles presenting themselves continually. 3M Mining & Metallurgy Solutions understands the challenges facing the industry and is committed to finding new ways to address them.

Beyond current offerings, we are focused on future solutions for integrated safety, water management, mineral processing, power, lighting and ground support. No matter what barriers your business faces moving forward, 3M will be there.
Proven solutions.

3M provides a wide array of solutions and technologies to the mining and metallurgy industry that help keep workers safe, keep operational costs down and improve productivity. We understand the pressures you face: enhancing site safety, reducing costs, improving profits and increasing efficiency. And as we focus on the future, we continue to explore new possibilities and solutions.

**PERSONAL SAFETY**

Protection for the safety of your workforce.
- Hearing and Communication Solutions
- Respiratory Protection
- Head, Eye and Face Protection
- Fall Protection
- Workwear Visibility
- Noise Detection

**SITE SAFETY**

Technologies to keep your site running smoothly.
- Anti-Slip Flooring Solutions
- Vehicle and Roadway Visibility Solutions
- Protective Window Films
- Trip and Fall Prevention
- Fire Protection
- Acid Suppressant for Copper Electrowinning

Reliable, comfortable protection

Visible, dependable
Operational continuity

Protection, connection and repair solutions.
- Electrical Tapes
- Wire Connectors
- Cable Ties
- Motor Lead Boots
- Cold Shrink Terminations and Splices
- Resin

Productivity, safety

Comprehensive restorative solutions.
- Steel Cutting Tools for Metallurgy
- Grinding Solutions
- Corrosion Protection
- Welding Solutions
- Adhesives and Tapes
- Conveyor Belt Repair
- Spill Response
Conveyor belts take a lot of abuse and are in need of ongoing maintenance. Inspired by the needs of one mining company, 3M developed a fast-curing, cold-bond adhesive that could repair damaged areas and get belts back in service quickly, reducing downtime and improving throughput. 3M™ Scotchkote™ Urethane Elastomer 80 XRG 539 has since been launched globally and has become well accepted in the mining industry.

Using partnerships to bring energy to remote locations, 3M partnered with two major technology companies to develop cost-competitive solar power. The end result of this collaboration was a comprehensive solar power system that concentrates light through a receiver tube containing working fluid that can be used for process operations or to generate reliable energy.

Reduced equipment downtime  Lower-cost energy
Due to high noise levels in their mill, a mining site had to restrict workers to four-hour shifts in the facility. Although workers were using 3M’s best hearing protection, the company was looking for an engineered solution to reduce noise at the source. Teaming with 3M, they evaluated a product used to reduce noise inside commercial aircraft. Once they applied 3M™ E-A-R™ Thermal Acoustic Foam to their equipment, noise levels were reduced, which allowed employees to work longer shifts and greatly increase productivity.

At one of the largest underground copper mines, studies showed that up to 29% of workers could be suffering from hearing loss even while wearing earplugs. 3M developed the E-A-Rfit™ Validation System to help ensure that earplugs were fitting, being applied and functioning properly. Not only is this innovation helping reduce hearing damage, it is also an excellent tool for training workers on how to use hearing protection products properly.
DEEP UNDERSTANDING.
3M is dedicated to improving the way people live and work. Through combining science and expertise, we are constantly developing game-changing solutions that move industries forward. Our observations and advancements inspire the thinking we put toward every project we take on.

With cutting-edge innovations from over 46 different technologies, manufacturing operations in over 70 countries and exceptional on-the-ground customer support, 3M has the know-how and resources to handle the toughest mining and metallurgy obstacles that your business faces.
3M Mining & Metallurgy Solutions is committed to seeing beyond the surface to address unsolved industry challenges. With a wealth of innovations and technologies, a global network of experts and unparalleled on-site support, we look deeper and go farther. Contact your local 3M representative or visit 3M.com/mining to learn more about how we can tackle the problems your business encounters today and into the future.