



bme

**Global Blasting
Technical Services
(GBTS)**

Overview

With a rich history as a leading supplier of explosives, BME has established itself as a trusted partner in the mining industry. Our extensive experience and deep understanding of blasting science and mining operations position us uniquely to offer a broad range of technical services. These services are designed to support our customers worldwide, ensuring optimal performance, control, safety, efficiency, and uncover potential opportunities to improve total cost of mining.



A Legacy of Excellence

BME's journey began four decades ago, and since then, we have been at the forefront of the explosives industry. Our unwavering commitment to innovation, quality, and customer service has built a reputation for reliability and excellence. Leveraging this legacy, we offer comprehensive technical services that go beyond supplying explosives. Our expertise enables us to play a critical role in auditing, supporting, implementing and advising on blasting projects, even for discrete clients using alternate explosives products.

Global Blasting Technical Services (GBTS) has been adding value and enhancing customer operations globally. We achieve this by unpacking the science of blasting, enabling advanced mining methods, applying state-of-the-art technologies and delivering innovative technical services solutions, which effectively drives efficiencies, optimises and unlocks value at our customers operations.

Comprehensive Support Services

Global Blasting Technical Services:

- **Reactive Technical Services:** Immediate on-site response to blasting issues, providing troubleshooting and resolving unexpected challenges.
 - Drill & Blast Audit
 - Drill and Blast Investigation
 - VOD Monitoring
 - Vibration and Airblast Monitoring
 - Fragmentation Analysis
 - Blast Video Analysis
 - 2D Laser Profiling
 - Borehole Calipering
 - Boretrak
 - Reactive Ground Testing
 - 3G Face Profiling
 - UAV (Unmanned Aerial Vehicle) Analysis
 - High-Speed Video Analysis
 - Product Stewardship



- **Proactive Technical Services:** Regular monitoring and maintenance to prevent problems before they occur, and ongoing optimisation of blasting processes.
 - Rock Response Testing (Tmin)
 - Regression Analysis
 - Blast Design and Predictions
 - Survey Services
 - Blasting Impact Assessments
 - Signature Hole Analysis
 - Blastmap Software Training
 - Blast Design Services
 - Blast Performance Assessment
- **Specialised Technical Services:** Advanced solutions for complex projects, utilising innovative technologies and tailored methodologies to meet unique project requirements.
 - Blast Modelling
 - Burden Response Analysis
 - Mine to Mill / Mine to Metal Projects
 - Blast Performance Optimisation (ore dilution, wall control, fragmentation optimisation, etc.)
 - Environmental Services
 - Training and Improvement Services

Comprehensive Support Services

Global Expert Skills

Each member of our team brings a wealth of knowledge and experience, ensuring that our clients receive the highest level of service and support. Our team of experts includes:

- Regional Technical Services Managers
- Dedicated Technical Services Engineers for each site
- Senior Technical Specialists
- Technical Specialists
- Fragmentation and Blast Analyst
- Dedicated Reactive Ground Support (Field + Lab)
- Blasting Technicians
- Blasting Engineers
- Scientists
- Chemists
- Software and hardware engineers
- Subject matter experts
- International Field and Applications support management
- Expert panels
- Product Management
- Blasting Science management
- Thought leaders
- Global Technology & Services directorship

Together these teams create a core group of explosive application specialists, engineers, and scientists. These personnel have hundreds of years of combined experience in mining and explosives engineering.



Our Promise to you: Unwavering Commitment to Your Success

At BME, we believe in a partnership-driven approach to ensure the success of your mining operations.

Our promise to you includes:



Continuous Improvement

Our dedicated team drives Continuous Improvement (CI) projects, allocated beyond the tender scope, works relentlessly on CI projects to enhance your operational efficiency and outcomes.



Risk-Free Technical Support

We provide additional risk-mitigated technical support, ensuring cost savings are achieved. This approach guarantees you benefit from measurable improvements without upfront expenses.



Value Delivery Guarantee

BME's Value-In-Use (VIU) programme offers a value delivery guarantee for respective solutions, assuring you of tangible benefits and a significant return on investment.



Specialist Support

We are committed to providing dedicated specialist support and subject matter experts to address your unique challenges and requirements.



Essential Partnership

We recognise that our success is intertwined with yours. Therefore, we emphasise a strong partnership and collaboration, ensuring that our combined efforts lead to exceptional results.

Partnering with Global Blasting Technical Services (GBTS)

Choosing BME means partnering with a company that has a proven track record of excellence in the explosives industry. Our global blasting technical services are built on a foundation of experience, innovation, expertise, and a deep commitment to our clients' success. We provide unparalleled support and expertise, ensuring that your blasting projects are conducted safely, efficiently, and effectively.

Together, we will drive agile continuous improvement, achieve significant cost savings, and enhance the overall efficiency and sustainability at your mining operation.



Contact Us

For more information or to discuss your
specific technical service needs,
please contact us at info@bme.co.za

