



# SMART MMU TECHNOLOGY (MOBILE MANUFACTURING UNIT)

## Revolutionising Explosives with Advanced Digital Integration

BME, a pioneer in the explosives industry for over forty years, continues to lead innovation with our latest Smart MMU (Mobile Manufacturing Unit) Technology. These re-engineered trucks feature a fully integrated digital control system designed to optimise your blasting operations.

## Engage with Us

Get ready to elevate your operations with BME's Smart MMU Technology. Contact us to explore the future of blasting technology together.

<https://bme.co.za/australia/>



### Benefits | Prioritising Safety and Efficiency

**Safety First:** The MMU control panel software includes operating condition rules that automatically shut down the plant if breached, preventing potential safety incidents.

**Effortless Data Integration:** Ensures smooth data flow across digital platforms, resulting in accurate decision-making and operational agility.

**Precision Control:** Accurate charge mass control reduces costs and ensures precise billing by tracking operational parameters.

**Predictive Maintenance:** Sensors and hardware usage measurements predict maintenance schedules, ensuring operational continuity.

**Increased Productivity:** Enhanced hole-to-hole completion time boosts workforce efficiency.



### Smart Features | Cutting-Edge Technology for Superior Performance

**Seamless Digital Integration:** Connects BLASTMAP™, XPLOLOG™, and XPLOCHARGE™ for comprehensive data handling and process synchronisation.

**IoT and Cloud Connectivity:** IoT devices and cloud platforms enable live monitoring of MMU fleet location and availability, optimising fleet utilisation.

**Advanced Sensors:** Monitor plant operations and initiate automatic shutdowns when parameters are met.

**Condition Monitoring:** Schedule maintenance based on real-time hardware data.

**Automation and Optimisation:** Reduce manual data entry and streamline processes.

**Custom Reporting:** Compare planned and actual charge data for insightful analysis.

**Secure Data Management:** Cloud storage and syncing ensure data security and accessibility.

**User-Friendly Interface:** Minimal training required for operation, thanks to a clean, intuitive design.



### Blast Alliance | For Drill and Blast Solutions

Blast Alliance represents BME's digital products and solutions and continuously drive new product and solutions design, focus on our wider product ecosystem integration and improve existing products and solutions within the digital portfolio. This digital suite ensures seamless data flow from blast planning to charge mass delivery, enabling real-time data synchronisation and precise field execution. The integrated system supports proactive decision-making, enhances safety, and drives continuous improvement in your operations.

**BLASTMAP™:** Our blast and timing design application.

**XPLOLOG™:** Bench data capturing and reporting system.

**XPLOCHARGE™ Smart MMU:** Enhanced operational efficiency and cost reduction.



BLASTMAP blast design application



XPLOLOG bench data recording system



XPLOLOG Integrates with XPLOCHARGE Smart MMU to seamlessly transfer planned vs. actual



XPLOLOG cloud-based dashboard for real-time visibility of bench activity and actual drill, charge and stemming data

