iMining is developing the future of mobile manufacturing units and is one step closer to automating the charging procedure on surface. The SMARTTRUCK™ is designed to carry either 10 tonnes, 15 tonnes or 20 tonnes emulsion or blend products. Combining the BLASTTRACK™ pump control system with a RTK GPS it enables the operator to track the exact amount of explosives used per specific hole. From this, an automated delivery note can be delivered directly to the customer’s email, together with the charging report for the blasted section.

By using the BLASTTRACK™ to the charging operations there is no risk of overcharging drilled holes, resulting in more environmentally friendlier blasting operations. The SMARTTRUCK™ is designed for integration with a range of safety and performance sensors including iMining SMARTDENSITY™ meter, for monitoring loaded density in real-time.

For optimal safety, product consistency and machine availability in loading operations, SMARTFLOW™ positive displacement pump technologies are recommended throughout emulsion loading operations. SMARTFLOW™ pumps are designed as standalone explosive manufacturing units eliminating frictional heat build-up through the use of diaphragms to deliver both emulsion and sensitizer in pre-set ratios. iMining offers a range of Mobile Manufacturing Units for surface blasting operations in both standard and customisable configurations to meet customer requirements.

**PRODUCT DESCRIPTION**

**BENEFITS**

- Transparency over charging fleet location & utilisation, product quality control, product consumption and operator performance
- Automated charging report and delivery notes
- Integrates with SMARTDENSITY™ that tracks the pumped densities.

**DESIGN FEATURES**

- Capture the exact location of drilled holes
- Carrying capacity of 10 to 20 tonnes
- Specific hole charging mass identification
- Can be controlled from a HMI Device within 50m range.
- Pumping rates up to 800kg/min