

# smARTE BY FLEX SOLUTIONS DIGITAL

smARTE STOCK MANAGEMENT

## MINING

"REAL-TIME OPERATIONAL EXCELLENCE"

# FLEX SMARTER SOLUTIONS

## FLAWLESS EXECUTION THROUGH DIGITAL MASTERY

We will help you to maximise your organisation's Return on operational Assets (RooA). This means that we enable you to operate your assets as effectively and efficiently as possible, while also ensuring they are healthy and safe. In this way, you reduce your operational costs and risks, becoming far more profitable as a result.

We can achieve this through one or more of our six "smARTE solutions" that have been built using a combination of our leading-edge, digital technologies and are focused around our "Real-Time Operational Excellence (RTE)" mantra.



$$\frac{\text{Operating Income}}{\text{Average Operating Assets}} = \text{RETURN ON OPERATING ASSETS} \uparrow$$



# SMARTER STOCK

## ADVANCING STOCK MANAGEMENT FOR MINING

### **What does optimal inventory management mean to the mining industry?**

Maintaining accurate stock levels is critical for any commodity-based industry. When it comes to mining, optimal stock management is crucial, considering that it is such a high-risk environment. This ranges from the actual minerals that are mined to supplies, equipment and critical replacement parts that are required to keep the mining operations running effectively, efficiently and safely. Forecasting safety stock levels is one of the biggest challenges that mining operations face today.

### **The stock management challenge**

The absence of accurate, up-to-date safety stock data can harm mining operations, and can even force operations to stop temporarily. This can result in major financial losses and escalation of risk. Typically, mine operators would try to source supplies, equipment and replacement parts immediately during a stock-out situation, costing them much more. The freight cost also escalates due to the random selection of freight forwarders, as per availability, which further impacts cost negotiations. In cases where supplies, equipment and parts are air-lifted, the cost escalates even further, compared with the lower cost of road, rail, or sea transportation.

### **Inaccurate data leads to poor predictions**

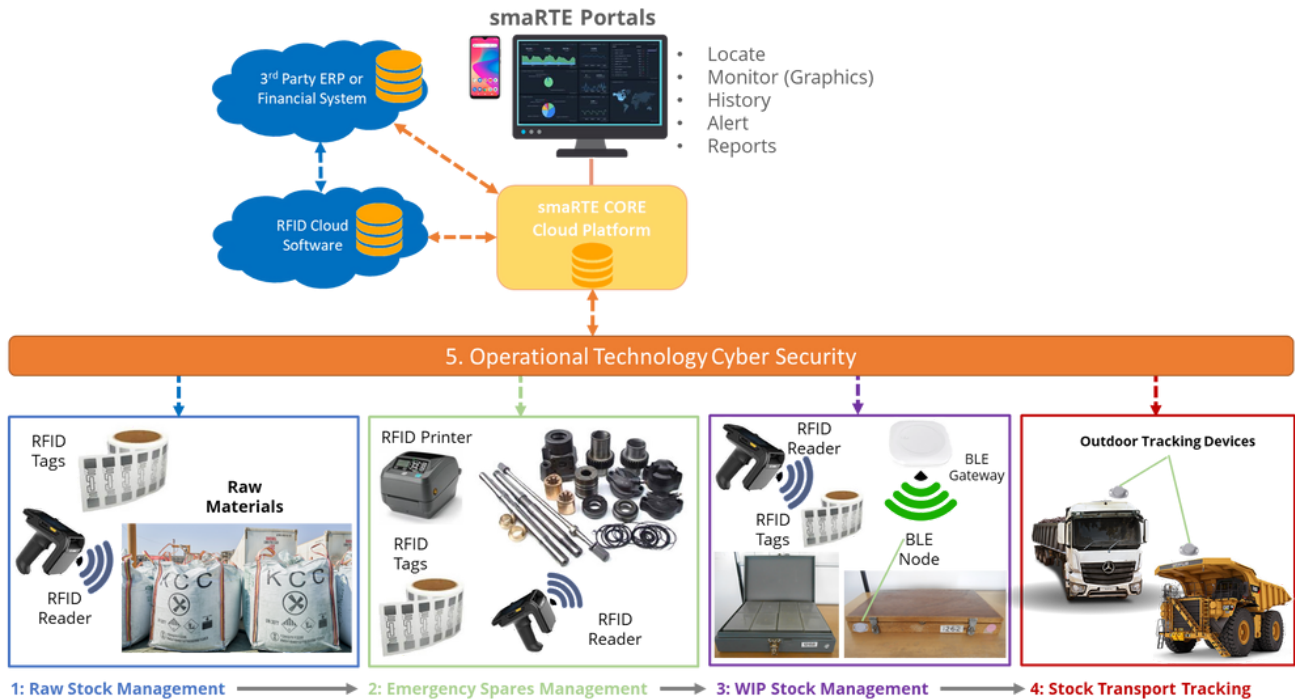
Most mining operations invest heavily in systems that can forecast the stock demand and automatically calculate the required safety stock levels. Usually, this extends to the automated ordering of stock. However, if the data being fed into these prediction algorithms is inaccurate, the automated predictions and replenishment processes become extremely risky. This often leads to the same stock-outs that they have invested so much to avoid.





# smARTE STOCK

## OUR smARTE MINING SOLUTION:



## THE OPERATIONAL BENEFITS:

- **99%+** stock accuracy of raw minerals, supplies, equipment and critical spares.
- Reduce time taken to locate stock items by **86%**.
- **100%** real-time visibility of stock and jobs throughout the production process.
- Reduce receiving and dispatch times by up to **82%**.
- Reduce variance resolution time by **93%**.
- Improve production time by up to **37%**.
- Reduce stock shrinkage and theft by as much as **27%**.





# SMARTER STOCK

## THE POSITIVE FINANCIAL IMPACT:

- Reduce stock management labour costs by **37%**.
- Reduced stock holding by up to **56%**.
- Free up working capital by at least **25%**.
- Reduced shrinkage and waste costs by up to **58%**.
- Improve order fulfilment by up to **24%**.
- Improve staff productivity by at least **26%**.

**ROI < 1 YEAR!**

**INCREASE ROOA  
BY 10% OR MORE**

**CONTACT US TO FIND OUT MORE!**



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