



**ibsoftware**

# Underground Mining Logistics

Supply chain visibility and safety at underground mines

**i**logistics  
UNDERGROUND

## Key Benefits

- Optimized underground space utilization
- Optimized underground inventory
- Automated mining crew work allocations
- End-to-end personnel and material visibility
- Improved safety compliance

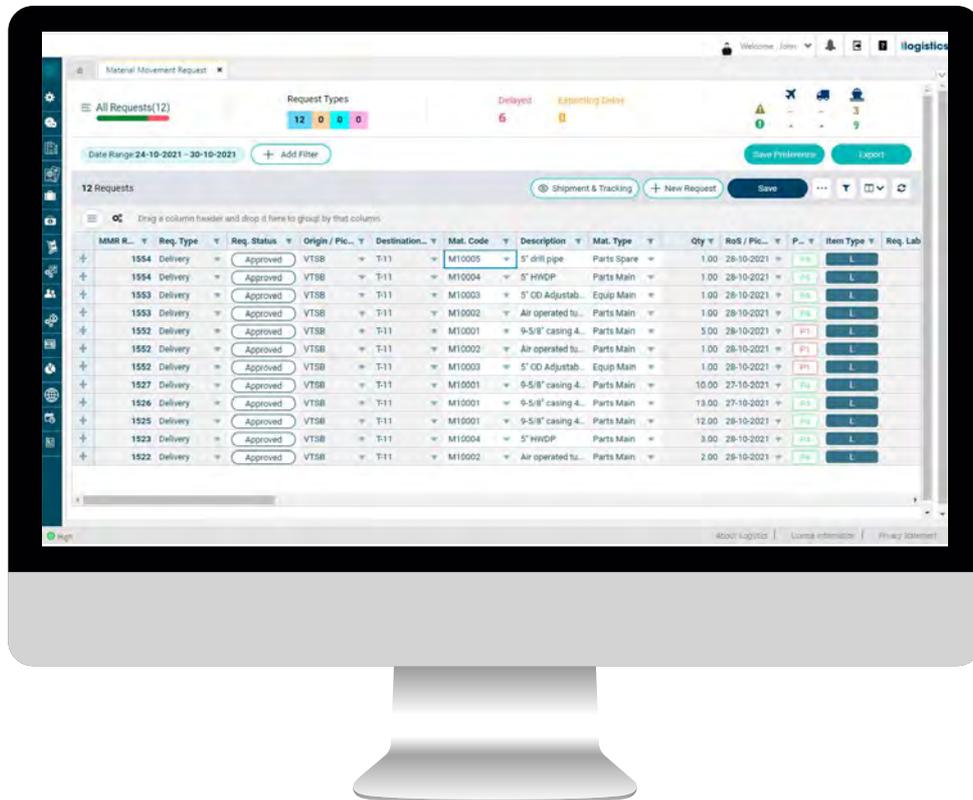
**iLogistics Underground Logistics** module makes it easy for mine managers to schedule and track personnel and material movement at underground mines through shafts. Mine workers can simply scan their QR coded itinerary at iLogistics check in kiosks to generate cage tickets.

### Long Term Demand Planning:

Long term planning of personnel and material movement demand ensures predictability of operations and avoid operational delays.

### Automated Cage Scheduling:

Automation in cage scheduling ensures optimal cage utilization and delivers efficient underground personnel logistics and material logistics operations through shafts without congestion and delays.



### End-to-End Visibility:

Handheld scanning using mobile tablets enables real-time tracking of material and personnel. Gain control and visibility of personnel and material transportation from surface to underground worksites and back.

### Easy Handheld Receipts:

Quick and automated check-ins and receipts through handheld scanners process helps to reduce manual redundant tasks, resulting in reduced costs and greater efficiency. Streamlining the flow of underground materials and workforce, reducing non-productive time, eliminating process duplications and leading to substantial cost reductions.

### Optimized Underground Inventory:

Streamlined delivery consolidation and material receipts eliminates traffic congestion and get rid of surplus inventory at underground mine sites and ensure optimal space utilization.

### Self-Check-in Kiosks:

Electronic ticketing kiosks optimize mining crew plans, work allocations and streamline underground movement of mining crew, considering shafts, shifts and department requests. Kiosks reduce the man-hours involved in the creation and distribution of tickets for thousands of mining workforce, and generate real time insights on location and status of workers.

### Trends, Predictions & Analytics:

Artificial Intelligence powered algorithms uncover hidden data patterns to provide real time decision support and recommendations to improve cage & space utilization.



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