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Open-Pit Mining Logistics

Optimizing crew logistics, equipments and supplies

ilogistics
OPEN-PIT

Key Benefits

- Optimize equipment usage
- Automated crew schedules
- Improved road safety
- ESG compliance

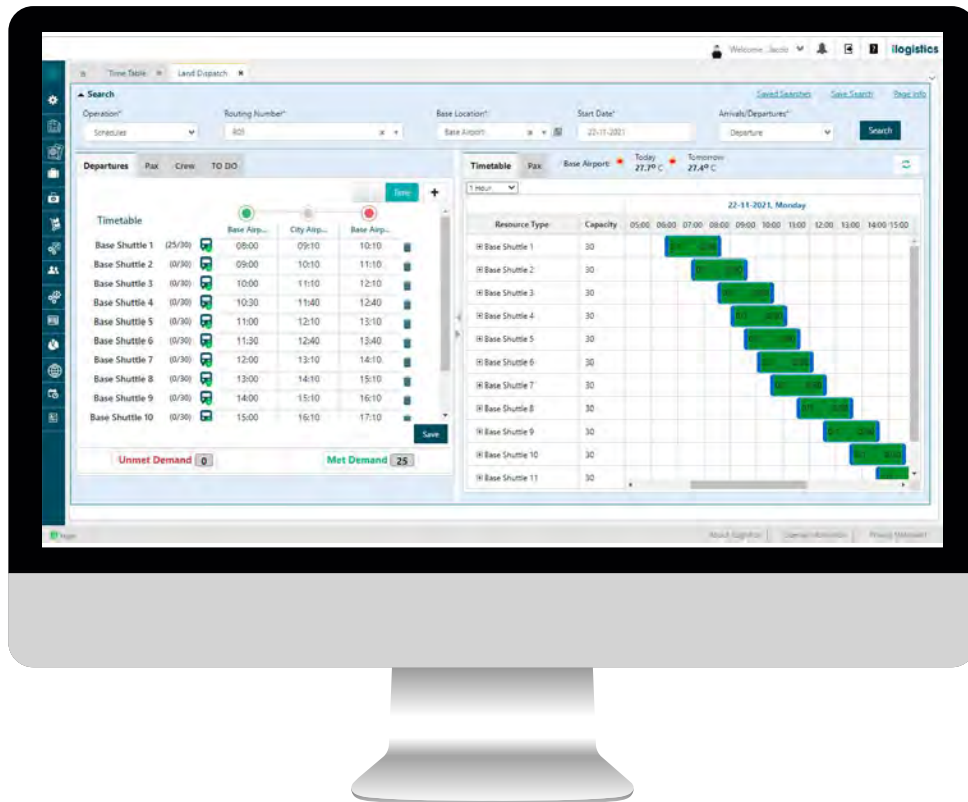
iLogistics Mining Logistics Module powers the safe transportation of personnel & supplies to open-pit (surface) mine sites in addition to optimizing the transportation of ores from surface mines to processing plants via trucks & trains.

Improved Equipment Utilization

Improve the utilization and visibility of material handling and earth-moving equipments at mine site, including shovels, dozers, hauling trucks, and loaders. Predictive analytics help to monitor equipment parameters using IOT technology. Improve equipment serviceability by tracking expiry of license and certificates. Maintain licenses and certificates required to operate equipments and licenses held by operating personnel.

Optimal Truck and Train Scheduling

Achieve optimal scheduling of trucks & trains and optimize ore transportation to processing plants. Take control of scheduling, maintenance schedules, resource allocation, crew allocation and route planning of trucks, trains and



Waste Management Operations

Enable safe, reliable and efficient handling, storage, transportation and disposal of wastes. Waste management plan, waste profiling, recycling, manifesting, transportation, tracking and disposal play a key role in achieving sustainable waste management.

Mining Crew Scheduling

Automatic generation of crew rotation schedules and travel bookings from mining activity plans. Assign personnel to perform jobs based on credentials and medical conditions. Crew rotation schedules are generated up to several months in advance with flexibility to incorporate easy last minute adjustments.

Optimized Crew Logistics Operations

Realize business value through integrated management of mining crew logistics operations by air (commercial flight, charter flight, helicopters), sea (crew boats, surfers river boats) & ground (train, bus, car) and accommodation management for enabling safe, reliable and efficient mining operations.

Improved Road Safety

Reduce traffic hazards caused by operator fatigue, vehicle speed, and road conditions. Eliminate potential road safety issues through dynamic risk assessment and safe journey management based on real-time driver, vehicle and route data feeds from vehicle tracking, IVMS and iLogistics Check In app updates.

Ground Transport and Accommodation

Optimize local transport and accommodation of crew at mining sites. Improve room utilizations and achieve a positive guest experience at workforce camps.

Achieve Environmental, Social and Governance (ESG) Goals

Achieve sustainability and net-zero emission goals with optimal routing of trucks, improved asset utilization and emissions benchmarking.

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