Mine Haulage Optimization
The DISPATCH NextGen mine management solution, available for surface mines, allows customers to implement specific production strategies using an extensive set of mining tools. Using state-of-the-art field hardware and communications software, the DISPATCH system delivers enhanced productivity and increased efficiency through proven fleet optimization.

With over 30 years of global recognition for its optimization algorithm, Modular has installed DISPATCH systems at nearly 200 mining operations worldwide, and is considered the industry standard for mine management software.

The NextGen evolution introduces many exciting enhancements, including a streamlined user interface, onboard camera integration and turn-by-turn navigation, a new enterprise reporting engine, and advanced tire management tools.
Maximize productivity at your mine site by providing optimized haul truck assignments, GPS-based equipment positioning, equipment health monitoring, maintenance tracking, blending, production reporting, and more. Some of the many ways you can improve productivity include:

**Real-Time Production Reporting**
Perform regular or ad-hoc performance analysis in a user-friendly web-based format. Reports can be exported to PDF and scheduled for automatic delivery. Onboard web reports extend real-time information to equipment operators.

**Crew Lineup**
Automatically assign personnel to equipment before the start of shift, and assure that each piece of equipment has been allocated a suitably qualified operator. Gather information from various database records (Roster, Equipment Qualifications, End of Shift) before assigning personnel.

**Fuel Service Management**
Increase overall haulage productivity by minimizing refueling events. Optimize fuel management by allocating trucks to fuel stations based on a calculated amount remaining in the tank.

**Payload Analysis**
Capture payload information from third-party systems used by various truck manufacturers. Collect real-time information from payload systems on loaders, shovels and trucks. Access information via standard reporting utilities for analysis.

**Speed Management**
Ensure operators follow designated speed limits with a virtual traffic enforcement squad. Zones of critical importance, such as crew exchange areas, workshops, crests of ramps, and major intersections, can be flagged with specific speed limits to assure safe operation.

**Auxiliary Equipment**
Track the status of each piece of auxiliary equipment, prioritize tasks, and assign them remotely to operators. Monitor maintenance performance, plan operation and fleet requirements, and identify problem areas to improve productivity.

**Blending**
Control ore blending at crushers and stockpiles in conjunction with truck dispatching algorithms, maximizing productivity while still meeting material quality constraints.

**Tire Management**
Preemptively detect tire overheating through direct interfaces to online tire monitoring systems. Minimize rock cuts through spillage geo-tagging and automatic assignment of cleanup tasks.

For more information, please contact your account manager or regional sales office.

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