SIX WAYS TO MAXIMIZE PAYLOAD & INCREASE LOAD/HAUL PRODUCTIVITY

The productivity of your mine site hinges on the efficiency of your load/haul system. Here are six ways Cat® MineStar™ technologies—including Cat Fleet and Cat Terrain for loading—can help you make sure that every truck gets loaded with the optimum tonnage, hauls it to the right place and works efficiently all shift long.

ACCURATE PAYLOAD & LOADING TOOL DATA

Cat Fleet provides real-time dashboards and custom reports that deliver reliable production information. The Loading screen gives you a wide range of accurate loading tool data, such as average loads for a range of time periods, plus average hang, queue and spotting times for loading tools across the entire shift.

AVOID UNDER & OVERLOADS

Payload data from Cat Fleet helps you adhere to the 10-10-20 rule for truck loading: No more than 10 percent of loads should exceed 10 percent over target payload, and no loads should ever exceed 20 percent over target payload. Follow this rule and your trucks will haul as much as they can without the risk of slower haul speeds or costly component and tire wear.
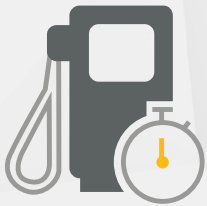
LOAD THE RIGHT MATERIAL

At the face, Cat Terrain for loading provides operators with color-coded maps that deliver real-time feedback on progress towards ore design. It helps them load the right material on every truck and, in some cases, do precise blending at the face, resulting in more accurate material movement.

HAUL IT TO THE RIGHT PLACE

Cat Fleet facilitates the precise management of grade blocks for optimum blending and downstream processing. Material flow is monitored through integration with Cat Terrain for loading. Materials are locked all the way to their destinations to prevent misdirected loads.

OPTIMIZE FUEL STOPS

The fueling feature of Cat Fleet increases productivity by sending trucks to get fuel only when needed, which saves time and boost productivity compared with fixed fuel schedules. The system also manages queuing at fueling stations to prevent excessive wait times.

RECONFIGURE SHIFT CHANGES

Cat Fleet's shift change function increases productivity during the first and last hour of a shift. Automated Lineup efficiently allocates operators to equipment, assigns machines to specified tie down destinations, and keeps them running as long as possible while reducing congestion at loading tools and processors.

LEVEL UP

Want to explore the many ways Cat Fleet can help your trucks deliver more value every day? Click here.

Interested in learning about more ways to use technology to boost productivity across your operation? Click here for an in-depth video.

CAT®