



IS AUTONOMY RIGHT FOR YOUR MINE SITE?

Autonomous haulage has the potential to deliver substantial productivity improvements and cost savings. But is it the right solution for your operation?

Here are six key considerations to look at when trying to determine if your site is a good candidate for autonomy.

1. SAFETY

Are there potential safety issues that could be alleviated with autonomy?



Autonomous haulage improves site safety by reducing operator exposure to dust, noise and vibration and by removing tired or fatigued operators from mobile equipment. How could it help your site reduce lost time injuries or address other safety concerns?

2. UTILIZATION

Are you experiencing significant delays that affect fleet utilization?



With no operators on board, delays such as shift changes, lunch breaks, meetings and training, incidents, etc., would be eliminated. Increased utilization may even let you reduce your total fleet size. How would those changes affect your operation?

3. PRODUCTIVITY

How much efficiency could you gain through consistent, reliable truck performance?



Autonomy can help increase productivity by reducing truck exchange times while also operating in conditions that might shutdown manned operations. Also, autonomy eliminates driver-influenced inefficiencies, such as trucks bunching behind an overly-cautious driver or dilution caused by loads going to unassigned locations. How would more consistent truck performance affect your site's overall efficiency?

4. TRUCK DEPLOYMENT

How often do you need to quickly change the number of trucks on a haul circuit?



Autonomy offers the ability to quickly add or remove trucks on a circuit. Plus, it's not dependent on the number of operators who show up for work on a given day. What would those factors do for your operating costs and production totals?

5. SKILLED PEOPLE

How difficult is it for your operation to find or retain skilled people?



No matter where your site is located, it can be difficult to attract skilled people who are able to handle the rigors of a mining lifestyle. Autonomy lets you reduce the number of people required on site. How will a larger talent pool help your operations grow?

6. REMOTE REGIONS

How do the logistics of bringing workers to your location affect your costs?



Transporting, housing, and feeding large workforces as well as building and maintaining the necessary infrastructure to support remote operations presents challenges and significant expenses. Autonomy lets you reduce both the number of people and infrastructure requirements on site. How would that affect your annual operating costs?

TAKE COMMAND

Cat® MineStar™ Command is proven to work seamlessly with and around all mine site activities. [Learn more.](#)