



THE POWER OF AUTOMATION TAKING YOU MILES FURTHER

SANDVIK AUTOMINE® FOR TRUCKS





UNMANNED TRUCKS THAT KEEP RUNNING – THE WAY TO PROFITABLE MINING

For years, mining operations have benefitted from Sandvik's intelligent AutoMine® unmanned mining trucks. They reduce damage and repair work and add the highest levels of efficiency to give you a lower cost per ton. They are scalable for different mining applications and can be supervised from a remote location.

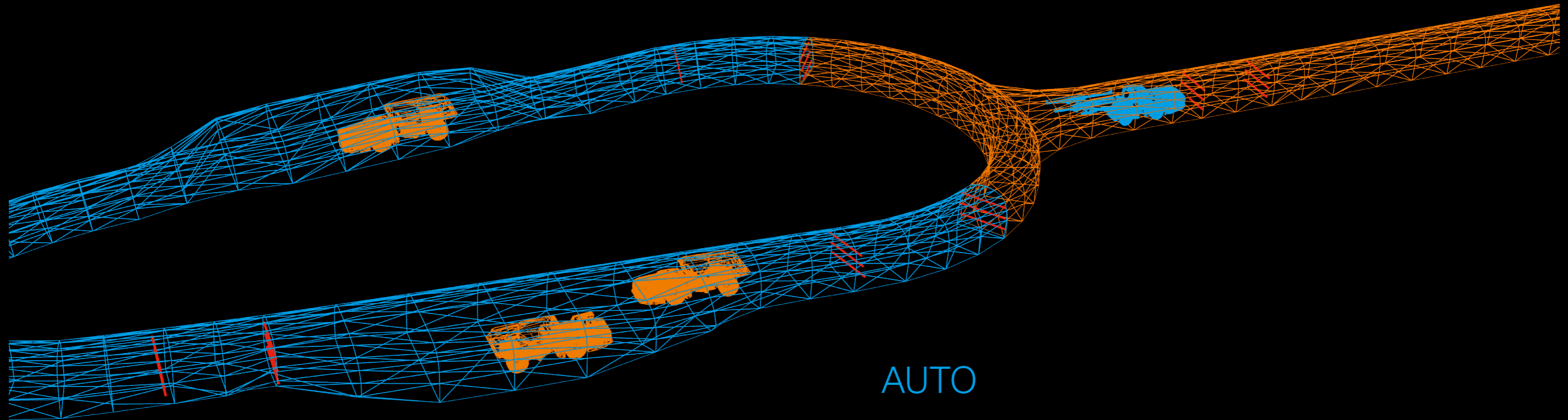
Sandvik has a history of innovation and world firsts. Now, we are first to enable autonomous underground trucks to operate on the surface, first to add seamless truck movements through mines with the Access Control System (ACS). And first to combine fleet automation and mining process optimization and analytics solutions as one integrated and seamless production system. All to bring greater flexibility, productivity, and safety.

AUTOMINE® FOR TRUCKS

AutoMine® for Trucks turns Sandvik's intelligent mining trucks into unmanned robots that just keep running. Now including new functions such as OptiMine® connectivity, upgraded Access Control System for greater flexibility, and the ability to extend the truck fleet's autonomous production cycles from underground to surface tipping; they are safer, more efficient with a lower cost per ton. AutoMine® for Trucks reduces operating costs by up to 50% and increases production by up to 30%.

AUTO

MANUAL



AUTO

UNDERGROUND TRUCKS THAT CAN RUN ON THE SURFACE

Autonomous Trucks can now work both underground and on the surface. The system uses a seamless automatic handover between the underground and surface positioning system where trucks keep moving without stopping at the portal. After dumping, they immediately continue with the next production cycle to get another load from underground.

GREATER FLEXIBILITY WITH UPGRADED ACS

The 3rd generation ACS is a generic safety solution that can be applied to different mining methods and areas. It enables the movement of machines between zones without hardware changes or complex configurations. Zones can be merged into larger automation areas or split separately to allow manual operations. Tripping a safety barrier only stops machines that are an immediate hazard in the closest zone. The fleet in other zones keeps on running.

FULL INTEGRATION WITH OPTIMINE®

AutoMine® connects seamlessly to OptiMine®, which automatically commands trucks to execute production missions, dynamically adjusting trucks based on production requirements and traffic flow. OptiMine® Scheduler enables efficient production planning while OptiMine® Task Management gives you real-time information to improve operational productivity and profitability. Other benefits of OptiMine® include location tracking, mine visualization, and predictive analytics to give you full operational transparency. Integrated with My Sandvik Productivity, you keep track of your trucks condition and know the real-time status of your fleet.

OPERATE SAFELY FROM ANYWHERE

Driving manual trucks underground is noisy and subjects operators to full-body vibration. Running the entire trucking

loop autonomously removes the risks associated with operator fatigue. Mines achieve significant operational cost savings and efficiency gains that are unheard of using traditional underground trucking methods.

With AutoMine®, operators can supervise and control multiple trucks from a surface control room anywhere within your operation.

GET AUTOMATION-READY, OR RETROFIT YOUR CURRENT FLEET

Getting the benefits of automated trucks is easy. Either get trucks that are AutoMine® ready or retrofit your current fleet.

ADD UP TO 8 PRODUCTION HOURS PER DAY PER TRUCK

Trucks powered by AutoMine® can run at times when manual trucks need to wait for blast clearance, adding between four and eight production hours per day.

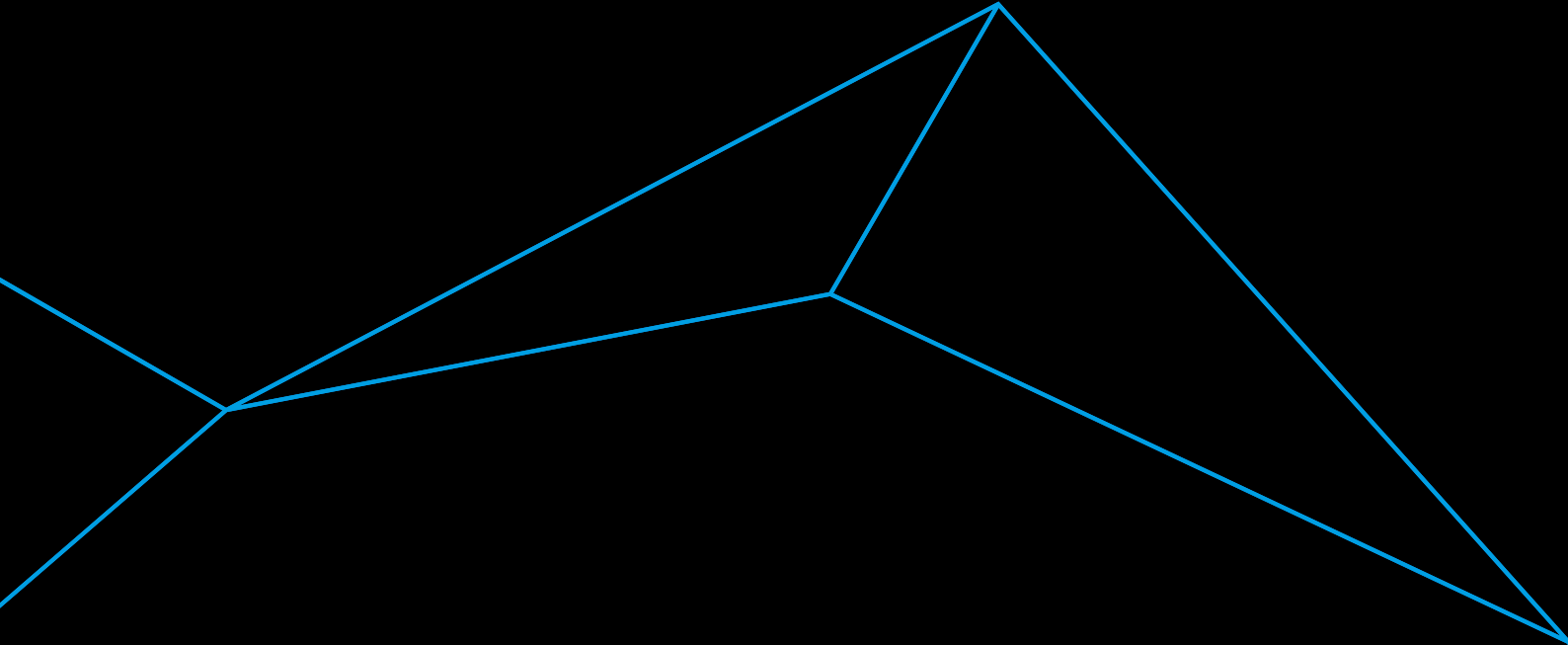
INCREASE
PRODUCTION
BY UP TO *

30%

REDUCE
OPERATING
COSTS BY UP TO

50%

* rocktechnology.sandvik/sandvik-autonomous-trucks



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