

HOW UG SIC WORKS

The Underground Short Interval Control system provides greater visibility in underground mining activities. It provides our supervisors and operators with near-real-time and real-time information on tasks as they progress, showing them which areas of the mine are ready to be worked. This also improves safety by showing underground teams where their teammates are located.



BARRICK

NEVADA



1

SCHEDULE TASKS

A coordinator at the Mining Operations Center creates a detailed schedule, assigning operators and equipment to each task based on the supervisor's input. Operators and supervisors can then check their work schedule and tasks for the day from their work tablets.



2

LOCATE EQUIPMENT

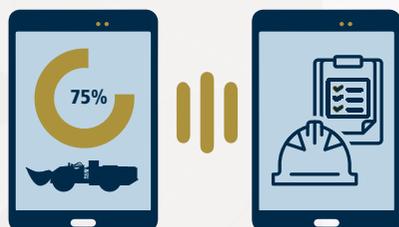
Underground operators find their equipment easily using the system. Wi-Fi access points underground make this possible.



3

WORK STATUS

Each team member can see where their colleagues are, and the system will allow them to see the real- or near-real-time status of their work.



4

LOG WORK PROCESS

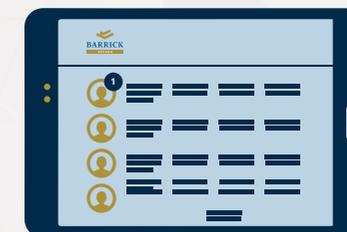
Operators can punch in their work progress using tablets installed on their equipment, which updates information on their supervisor's tablet and in the Mine Operations Center in real- or near-real time. Eventually, we hope to track progress automatically through the use of equipment sensors.



5

WORK PLAN CHANGES

Any changes to the work plan during the shift appear automatically on an operator's tablet, which is then communicated to them, allowing them to adapt to changing circumstances.



6

FLAG RELEVANT INFORMATION

Operators can leave comments for their supervisors during the shift to flag relevant information, such as safety concerns and maintenance issues. This can help supervisors adjust how they will approach their shift to meet the original daily work plan, and communicate issues to the next on-shift supervisor. The next shift supervisor will be able to see this information.