

# MINING INSPECTIONS WITH ELIOS 2



Elios 2 drone is able to fly in confined spaces to perform visual inspections of various assets while reducing downtime and increasing inspectors' efficiency.

Indoor drones changed the game for underground exploration, enabling unprecedented access within no-go-zones without exposing workers to hazards underground.

## CRUSHER

Performing preventive maintenance of crushers by having a mean of remote visual inspection to replace parts before they break and paralyze production.

## SAG, BALL, AND GRINDING MILL

Getting inside of SAG, Ball, and Grinding Mill to assess their integrity and detect blockage without having to stop the entire muck circuit.

Inspect highwall crests and faces for any hazards to the miners working below.

## CONVEYOR BELT

Assessing the integrity of conveyor belts without disturbing their operation or interrupting production downstream.

Check heavy equipment, such as shovels, haul trucks, and loaders for damage or premature wear.

## ORE PASSES

Flying tens of meter up a dusty, wet, and rocky drop raise in an underground mine to locate blockage or assess potential for rehabilitation.

## OPEN STOPE

Explore restricted areas such as open stopes and create photogrammetric models to map fractures in the rocks and other geological features to understand if a fall of ground will cause injuries, damage equipment, or dilute ore.

## OTHER ABOVE GROUND INSPECTIONS

- Ore bins
- Stacks
- Stockpile feeder
- Crushers & Mills
- Chute
- Tanks

## OTHER UNDERGROUND INSPECTIONS

- Shafts and raises
- Ground support
- Pass blockage
- Crusher Inspection
- Assess fill fence before backfilling



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