

# Eliminate Unplanned Downtime

# Pit to Port

See how metals and mining companies are deriving value from AspenTech's prescriptive maintenance solution, Aspen Mtell<sup>®</sup>, across the mining process.

## Continuous Miners

Monitored cutter motors to schedule planned maintenance.

Potential savings:  
**\$300K USD per year**

Prescriptive maintenance solutions can monitor shovels, continuous miners, haul trucks and excavating equipment as well as fixed equipment.

## Haul Truck

Used machine learning to optimize scheduled maintenance for ultra-class haul truck engines.

Potential savings:  
**10% reduction in maintenance spend**

## Crusher Conveyor

Taking early, less-intrusive action decreased the likelihood of a major asset breakdown, saving on maintenance costs and production losses.

Potential savings:  
**\$500K USD**

## Conveyor Belt

Identified gearbox oil imbalance on startup well in advance of any actual problem occurring.

Potential savings:  
**\$1M USD per failure**

## Mill

Allowed customer more advance time to order spare parts and plan regularly-scheduled maintenance activities.

Repair times reduced:  
**30%**

## Pump

Utilized data to replicate the wear pattern of a faulty pump and apply that data to additional pumps, maximizing overall operational efficiency.

Potential savings:  
**\$2.5M USD per year**

Learn how AspenTech is transforming the mining industry by improving asset reliability pit to port.

[View white paper.](#)