

Fleet management operations

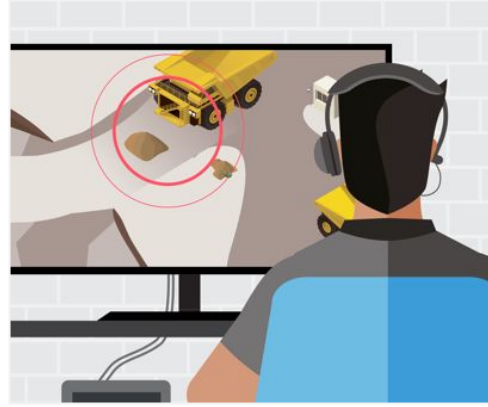
Use case



Communicate

High-speed connection

Broadband technologies through LTE 4G and 5G enable high-speed data communications between autonomous trucks and the remote operation center. Live video streams and remote control capabilities are also possible.



Respond

Real-time alerts

The remote operation center is alerted if an incident occurs, such as an autonomous truck stopping after a rock falls in front of it. Video footage is live streamed from the truck to the center, enabling informed incident response.



Monitor

Situational awareness enabled

Advanced control room dispatchers monitor the fleet via single pane of glass situational awareness application CC Aware. Includes mapping and location of vehicles, as well as multiple views to better understand environments and incidents.



Optimize

Data-driven decisions

The end-to-end system collects data from various sources, including vehicle sensors, location tracking and equipment performance, and AI analytics identifies trends, optimize routes and improve efficiency.