



Chile



SUPPORTED BY **MANAGED SERVICES**

Open-pit copper-molybdenum mine located in the Atacama region of Chile, with 17,000 employees and production of average 150,000 tons of fine copper concentrate and 3,000 tons of molybdenum concentrates/year.

## PROBLEM

Using Komtrax data, the customer identified a high number of service brake errors (service brake use over 12.8 km/h) being accrued on their Komatsu 930E-4 fleet.

The service brake abuse was impacting on the safety of operators, creating premature wear and reducing the effectiveness of the service brake system.

## SOLUTION

Caserones engaged Immersive Technologies Managed Services to integrate simulation training into the existing training process, develop a customized curriculum for the SOPs and conditions of the mine.

A cohort of 178 operators was selected for baseline assessment. This information was used to rank operator performance and prioritize training, with priority given to correcting operator behaviors that impact on safety.

## RESULTS

Data analysis in Komtrax revealed a sharp decline in service brake abuse from June, the same month the new training program was implemented.

An average of 40% reduction was recorded compared with the worst month prior to training.

## PRODUCTS IN USE

- PRO3 Advanced Equipment Simulator
- LX3 Medium Fidelity Simulator
- Conversion Kit for Komatsu 930E-4, 830E-AC Haul Trucks
- Custom Mine Site
- SimMentor™
- Trainer**Advantage**™

Service Brake Use Over 12.8 km/hr

