



## The Customer



**Region:**  
Mexico



**Commodity:**  
Gold



**Mine Type:**  
Surface



**Solution:**  
FMS

## The Challenge

The mining fleet consists of:

- 3 Komatsu PC 3000 shovels,
- 4 Komatsu WA900 loaders
- 22 Komatsu 785 haul trucks
- 6 Atlas Copco DM45 drills
- 3 Komatsu Graders (1 625 and 2 825)
- 5 Komatsu Track Dozers (2 375 and 3 275)
- 3 Komatsu WD 600 Rubber Tired Dozers

Mine customer was specifically looking for three operational improvements:

1. Increase tonnage per truck
2. Increase drilling production
3. Decrease staff operational delays



HxGN MineOperate OP Pro LP combines hardware and software to automate workflows, optimize haulage and blending, provide situational awareness, and integrate data. It automates production cycles and additional operations workflows.

## The Solution

The mine implemented Hexagon's fleet management solution, HxGN MineOperate OP Pro LP, on a three-month schedule.

Production increased immediately with 10% haulage increase, per truck, within one month of full implementation.

The mine also achieved a significant increase in drilling production in the DM45 production drills and increased drill accuracy from the high-precision GPS.

Precise data collection and analysis contributed to the following improvements:

- Significant reduction in shift-change delays
- Lunchtime overruns reduced
- Operational delays identified in real time

Prior to implementation, drilling productivity, averaged 2.8 holes per hour. Post implementation, drilling productivity increased to 3.9 holes per hour – a 28% improvement.