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**Challenges**

CR Digital’s experienced field technicians and engineers worked with the Miner to review the conditions, existing base line data sets and maintenance downtime schedules. With this research, CR Digital was able to recommended the Titan 3330™ Load Haul Optimization system be installed directly onto their Liebherr R9200 backhoe.

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**The Solution**

**Commodity:** Gold

**Digging Conditions:** Medium impact / Medium abrasion

**Machine:** Backhoe

**Make & Model:** Liebherr R9200

**Customer/Site:** Western Australian Mine

**Date Installed:** Jan 2018

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**Location**

**The Solution**

Titan 3330™ Load Haul Optimisation

**The Outcome**

Improved productivity

Reduced overloads & underloads

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**Multiple Data Reference Points**

**Single Data Reference Points**

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Figure 1 – Truck data is consolidated into the Titan making it the single point of reference for payload and production information.

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The Impact

The Titan 3330™ Load Haul Optimization system delivered:

- 1.2% reduction of truck Major Overloads (>120% rated capacity)
- 23% reduction of truck Underloads (<100% rated capacity)
- 15.5% increase in Instantaneous Productivity (1.4% increase in Operational Productivity)

Additional Benefits:
- 2% reduction of truck Minor Overloads (>110% rated capacity)
- 25 tonne increase in average truck payload

Figure 2 – More trucks are loaded to target which means less underloads and overloads. This results in a greater production rate.

Production Rate (Before and After)

Titan 3330™ Load Haul Optimisation and Analysis and Improvement capability can improve your fleet's performance today.