



# Bringing the Practical Touch to Business Improvement

## Pit Stop Haul Truck Utilisation Project

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## Success Story

### 1. Why are we doing it?

The client owned \$270M worth of haul trucks operating in two mines, an opportunity was identified, by the haulage team to increase truck operating efficiency without compromising operator safety.



## 2. What was happening before?

20% of the trucks time is consumed by delays & standby, specifically from shift handover and driver break times.

The trucks were run 24 hour on a two 12 hour shift pattern. Drivers had to take a 20 min break every 4 hours, these breaks were taken in the trucks with no opportunity to socialise or exercise.

## 3. How is it now?

Client team pulled together to work on the project using DMAIC methodology.

They designed and built a comfortable rest facility in the centre of the mine, built with a safe pitstop. The rest facility is fully functional containing access to food, gym, television & toilets.

The team defined the processes and controls for the truck handover. The truck is driven to the pitstop, driver hand over to rested driver this takes less than 2mins, driver takes 20 mins break in new facility, then back out to pitstop to take over another truck for the next 4 hours

## 4. What have we achieved?

Safe handover area reducing handover risk

Process and responsibilities defined

Purpose built rest facilities

## 5. What benefits have we realised?

Predictable level production

Increased truck utilisation

Minimal cost on building of rest facility as client used his own tools, equipment & labour.

Duplication of improvement in clients other mines



## 6. What was the value of the deliverables?

Lost time was reduced from 2 hours per 24 hours to 24 mins per 24 hours per truck, increasing daily production of \$1,5m.

Cost projection for rest facility was \$10M, delivered for \$1.1M.

Morale, health & wellbeing of drivers improved due to them having time out with the truck in an environment where they can eat, exercise and socialise.

