VERIDAPT

Case Study: Identifying burn rate anomalies

We saved a major mining company US$2.55M by **identifying burn rate anomalies on haul trucks.**

Problem

Ensure the burn rate for an entire fleet located on a major South American mine site were operating at a standardised and maximum efficiency level.

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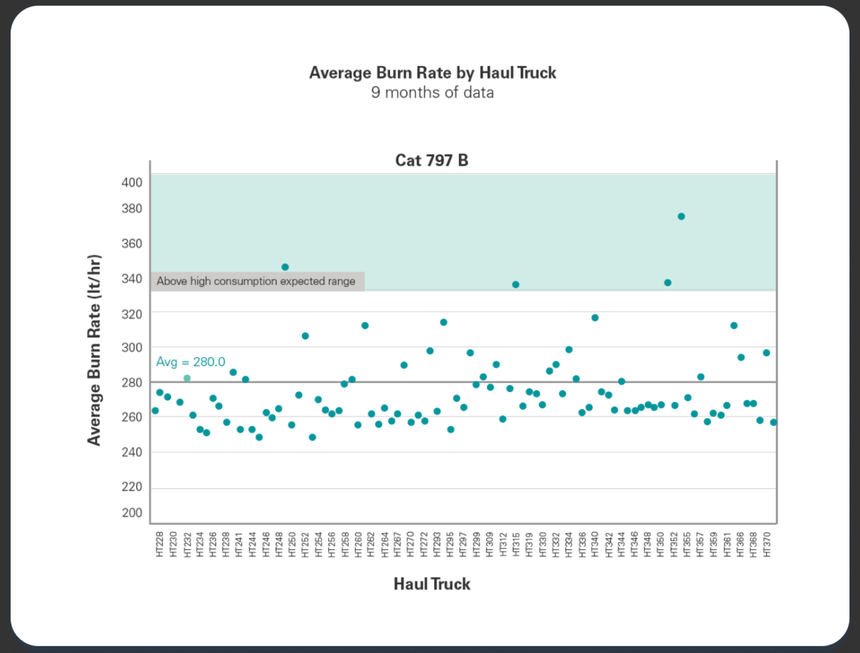
Solution

VERIDAPT's wireless identification tags, Adapt**SMU**s, were deployed to all haul trucks to independently capture engine hours in order to calculate accurate burn rates. A number of Cat 797B haul trucks servicing the site were consistently operating above the expected fuel burn rate of 229-267 litres per hour. This provided the client with the necessary data to identify trucks operating above the expected burn rate and rectify the problem. The Adapt**SMU**s accurately captured engine hours, which combined with fuel consumption provided a precise fuel burn rate per truck.

The client found that the Adapt**SMU** tag was compact and rugged, with a push button design providing operators with tactile feedback, a streamlined installation process and with a long battery life.



Benefit

The client achieved a 1.7M litres per year drop in fuel consumption by identifying trucks operating above the expected burn rate. That equates to US$2.55M in reduced fuel costs. The client also learned that identifying and rectifying fleet maintenance problems immediately or predictively would generate future savings on fuel.

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