
Case Study

CUSTOM DESIGNED HIGHLY DURABLE TRUCK BODY

HUNTER VALLEY
NSW MINE SITE

2012



PROBLEM

The OEM approached Austin Engineering to design a custom body for one of their first fleets of a particular model of body in Australia.

The Hunter Valley mine site where the fleet would be in use had highly abrasive overburden material. The body also had to cope with significant impacts from loading with the site's rope shovel.

SOLUTION

Drawing on our Westech design expertise and experience, Austin Engineering developed a customised overburden body to meet the specific site requirements. The body design has been optimised for maximising payload and reliability over the life of the chassis.

After the initial fleet was delivered, the design of additional fleets delivered has evolved through extensive EDEM and FEA studies carried out to improve the durability and performance of the body structure. Improvements were based on site requirements for the liner kit, top cap structure and other accessories – all the while ensuring that the rated payload of the truck did not decrease.

Austin Engineering's Westech bodies have helped the site maintain their production targets while keeping down maintenance and running costs.

Austin Engineering maintain a close relationship with the OEM and Mine Site in order to uphold the strict high quality standards of all involved.