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Case Study: Nitro Sibir - Improving Efficiency for an Explosives Manufacturer

NWI Weighbridges

OVERVIEW

Nitro Sibir Australia is a manufacturer and full-line supplier of explosives products. On every trip in or out of the Kalgoorlie Explosive Reserves, trucks are required to weigh each axle group. Without their own weighbridge at the compound, each Nitro Sibir truck was travelling to the public weighbridge located in West Kalgoorlie and paying a sizable fee each time.

This system was inefficient and costly so Nitro Sibir asked NWI Group to design a solution.



SOLUTION

As the client's trucks range in size from 4 - 5 axle groups, a flexible solution was required. NWI Group recommended their Group Axle Weigher System with a Bilanciai DD2050 Driver Terminal, custom-designed software and printer. This provides the driver/operator with a fully automated and efficient weighing experience.

The system also includes 4 Bilanciai loadcells and 2 Norsk Remote Displays - 1 for each end of the weighbridge.

The new Nitro Sibir weighbridge uses an automatic static weighing system with integrated traffic lights and a visual display. The traffic lights have been installed on either side of the load cells approx. 30m apart to accommodate multiple axle groups.

OUTCOME

Having a reliable, onsite weighing system has streamlined Nitro Sibir's systems. It's also paying for itself as the company no longer needs to pay for each truck to use the public weighbridge.

They are now in the process of upgrading their weighbridge software to make the entire process more streamlined - especially at night.

