

A dairy smart device

ACCOUNTABILITY IS ARGUABLY THE MOST IMPORTANT QUALITY TO HAVE IN THE FOOD TRANSPORTATION GAME. WITH THE HELP OF INTEGRATED VEHICLE SOLUTIONS' (IVS) POPULAR LOADSMART TECHNOLOGY, STOITSE TRANSPORT NOW HAS FOUND A RELIABLE SOLUTION TO ACCURATELY MEASURE EVERY DROP OF MILK THAT'S LOADED.

Dairy transport is one of the most taxing jobs in modern supply chain management since operators often face time pressures, multiple pick up locations at different factories, while ensuring the milk itself stays in good condition – and that's before factoring in the strict weight regulations across different states.

That's why in 2012, South Gippsland-based Stoitse Transport contacted IVS with the intent of finding a solution to accurately gauge how much milk was being loaded on board its B-double tankers. Even though IVS didn't supply LoadSMART

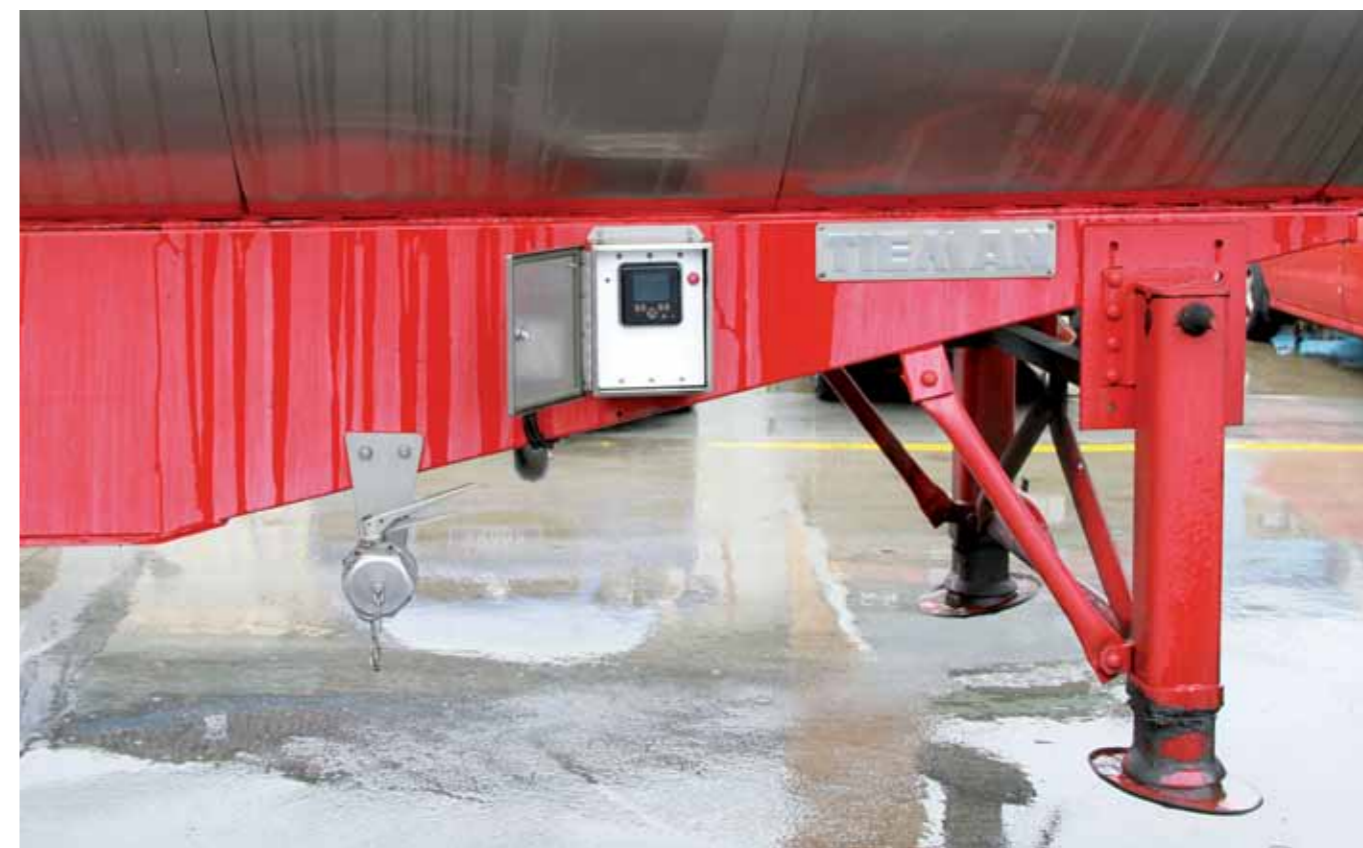
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units specifically built for milk liquid tankers at the time, the opportunity to collaborate on a potential solution was too good to pass up.

“Stoitse came to me about a year ago requesting a method to accurately measure the weight of the milk product in all four compartments of their B-double, including the axle group weight,” says Raj Mali,

Director of IVS (formerly Commercial Transport Solutions). “The traditional airbag system was not suitable as the truck engine had to be turned off and the vehicle is normally loaded at an angle. We were determined to come up with an innovative and cost-effective solution for Stoitse.”

Over a six month period, IVS - with the



guidance of Stoitse - developed a new version of the LoadSMART on-board weighing system dedicated to milk tankers. By September, the unit was retrofitted to Stoitse's B-double milk tanker and is currently in service. “In dairy transport, it's important to know when your tanker compartments have reach their legal capacity, and the LoadSMART is the ideal device for closely monitoring the dairy liquids we load,” says Barry Thomas, National Transport Manager at Stoitse. Using four pressurised sensors fitted to the bottom of each of the four tanker

compartments in the B-double (one in the lead and three in the B-trailer), the system can accurately detect how much liquid is loaded and relay that information back to a 2.8-inch colour screen screen that is fitted to the outside of each trailer. According to Barry, the benefits of the new system are already paying off. “Thanks to the expertise of IVS, our drivers can now accurately measure our payload using the milk level indicators on each tank. It certainly takes the guess work out of loading,” he notes. “In addition, the LoadSMART system also provides axle

Fast fact

Integrated Vehicle Solutions - a supplier of LoadSMART on-board truck weighing systems and automated CAN Controls systems - was formerly known as Commercial Transport Solutions and has been rebranded in April this year. Founder and Managing Director, Raj Mali said the name change was all about giving the company a better identity within Australia's commercial road transport market. “Integrated Vehicle Solutions brings us closer to the services we provide, including installations of innovative on-board weighing systems in commercial vehicles like the LoadSMART weighing system for trucks, prime movers, semi trailers, dog trailers, tippers, tankers and even earth moving dump trucks.”

groups weights, a crucial addition since the weight regulations change in different states.”

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