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Case Study: Waste Management with Weighbridge Automation for Argus Recycling

NWI Systems

OVERVIEW

NWI Systems partnered with Argus Recycling, a waste management company, to develop a waste management automation solution. The objective was to automate the weighing process, eliminate the need for manned weighbridges, streamline data entry, and provide a self-serve EFTPOS terminal for public weighbridge payments.



CHALLENGES

Argus Recycling had an existing manned weighbridge that required automation. They needed a solution that would enable self-service weighing, simplify data entry, and meet the requirements of a registered public weighbridge.

SOLUTION

NWI Systems provided a comprehensive solution that included several components. They supplied a touch screen self-serve driver terminal with a built-in printer, allowing drivers to input information and print necessary documentation. An EFTPOS terminal was provided for seamless payment transactions. The integration of an Automatic Number Plate Recognition (ANPR) camera eliminated manual data entry. Remote displays, site entry remote Zero, and truck positioning sensors ensured accurate measurements. NWI Systems also offered their NWI FlexPoint Analytics Portal, a cloud-based software solution for comprehensive data and analytics.

OUTCOME

The implementation of NWI Systems' weighbridge automation solution brought significant benefits to Argus Recycling. The self-serve driver terminal and ANPR camera increased operational efficiency, reduced wait times, and eliminated manual data entry, leading to improved efficiency and reduced labor costs. The self-serve terminal and EFTPOS system enhanced the customer experience by providing a convenient and secure payment process. The integration of ANPR technology and truck positioning sensors ensured accurate measurements, minimizing errors. The NWI FlexPoint Analytics Portal provided valuable data insights, enabling Argus Recycling to track trends, optimize operations, and make informed decisions.

By leveraging innovative technology and providing comprehensive software and hardware solutions, NWI Systems continues to empower businesses like Argus Recycling to achieve their operational goals and drive success.