AGRICHAIN

CASE STUDY

AutoWeigh

Cost savings and advantages of AgriChain AutoWeigh for grain storage and receival sites

Introduction

In the agricultural industry, efficiency and cost-effectiveness are paramount, particularly when it comes to grain storage and handling operations. This case study examines a grain storage provider with four operational sites and highlights the cost savings achieved by implementing AgriChain's AutoWeigh system over traditional weigh bridges, over a 6-week harvest period. The study will delve into not only the financial savings but also the operational advantages offered by the innovative AutoWeigh technology.

Company overview

The grain storage provider operates four sites, each crucial to storing and processing grain for farmers and agricultural businesses.

Site Number	Site 1	Site 2	Site 3	Site 4
Number of WB	2	2	1	1
Staff hours per day	12	12	12	12
Staff days per week	7	7	7	7
Labour cost per hour	$35	$35	$35	$35
Total labour cost per week	$5880	$5880	$2940	$2940

Operational cost calculation

6-week Harvest Period

To calculate the operational cost of manual weigh bridges over the critical harvest period, we analyse each site as follows:

STAFFED HOURS | **WEIGH BRIDGE QTY** | **PAY RATE**

TOTAL LABOUR COST OVER HARVEST : **$105,840**

Cost using AgriChain AutoWeigh

Transitioning to AgriChain's AutoWeigh system eliminates the need for manual labour at weigh bridges.
Hence, the total cost of staffing during the same period would be reduced to $0.

Summary of cost savings

6-week Harvest period

Cost of manual weighing: $105,840

Cost with AgriChain AutoWeigh: $0

Savings over 6-weeks: **$105,840**

AgriChain AutoWeigh advantages

Labour Savings: Eliminates labour costs during harvest, offering significant financial relief.

Increased Efficiency: Automation minimises truck wait times and speeds up throughput with no labour delays.

Accuracy & Precision: Advanced sensors ensure accurate, reliable measurements, reducing human error.

Data Integration & Analysis: Real-time data access and integration improve inventory, reporting, and forecasting.

Reduced Maintenance: Reduced upkeep and costs compared to manual systems.

Flexibility & Scalability: Easily expand across multiple sites, maintaining operational consistency.

Conclusion

The integration of AgriChain's AutoWeigh system presents a remarkable opportunity for grain storage providers to save costs significantly while enhancing operational efficiency.

In this case study, the provider achieved substantial savings of $105,840 during the harvest season (6 weeks) by eliminating labour costs associated with weigh bridges.

Furthermore, the advantages of accuracy, efficiency, and data integration make AgriChain's AutoWeigh not just a cost saving solution but a smart investment for the future of grain storage operations.

As the agricultural sector continues to evolve, embracing automation tools such as AutoWeigh will be essential for maintaining competitiveness and driving profitability.

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