



SCALEABILITY CASE STUDY FOR ESWATINI SUGAR ASSOCIATION



SECURE, ACCURATE AND AUDITED BULK LOGISTICS

ScaleABILITY is a modern software solution designed for organisations that need to automate and manage bulk material transfers over weighbridges. ScaleABILITY improves the efficiency, security and accuracy of weighbridge operations and transactions. The result is fewer data processing errors, reduced loss and better overall logistics.



BACKGROUND

Eswatini Sugar Association is an umbrella organisation bringing together all growers and millers of sugar cane. ESA is responsible for providing services necessary for the regulation and general development of the Swazi sugar industry as well as marketing of all the sugar and molasses produced in the country. ESA provides the support services to the entire industry's value chain which includes agricultural research and extension, cane testing, warehousing and distribution, marketing and policy advocacy.

Mission Statement:

"We are committed to consistently meet the requirements and expectations of sugar industry principals, customers and other stakeholders by providing quality products and services in an efficient, cost effective and sustainable manner."

THE PROBLEM/OBJECTIVE

With sugar being a highly sought-after commodity, there could be instances where the driver could connive with the operators and security team to get more sugar or product over the weighbridge without being detected for overweight or to under deliver at the destination. The impact to the customer and warehouse could result in major financial losses along with damage to the site's reputation.

A secure repository for data collection providing photographic evidence and integrated to security hardware was necessary.

WHAT WAS REQUIRED?

A fully integrated secure repository system that can manage bulk transfers of mostly sugar and other products over rail and road weighbridge. Controls in place to ensure correct positioning over the weighbridge, with cameras taking photographic evidence of both the vehicle and number plate identifier, together with overview of the vehicle and its contents

WHAT WAS THE BUSINESS CHALLENGE?

Getting this done within budget and timeline. With minimum resources, including ongoing maintenance and support 24/7 365 days of the year

WHAT WAS THE DESIRED BEHAVIOURAL RESPONSE?

A system that:

- » provided a secure repository, integrating into various security hardware and minimizing audits and risks through exceptions reporting
- » is user friendly and intuitive.
- » Is configurable such that business rules match the business processes
- » segregates user roles thus minimizing audit risks
- » can work even when the network goes down
- » allows transacting time to be as efficient as possible
- » provides photographic evidence that may be used in any legal proceedings



WHAT FRESH INSIGHT AND EXISTING TOOLS DID WE HAVE THAT WOULD STIMULATE A SOLUTION?

A fundamental system structure to start with. Mature support model for operations in remote locations. The Exception handling capabilities allows real time reporting and fast response to non-conformances by management, reducing reliance on operator decision making.



WHAT WAS THE BUSINESS BENEFIT?

A structured process, operating seamlessly with the available hardware. Security controls in place minimizing risk of fraud with weighing process. Offline solution that allows business continuity in the event of a network outage. Exception handling to ensure conformance to standard operating procedures and audits.

To learn more about ScaleABILITY
please contact the ScaleABILITY team at:
scaleability.enquiries@adaptit.co.za

