

## Amity **SIA**

### Smart Solution for In-Field Weighment



#### PROXIMITY TO FIELD

Being close to the cultivation fields helps ensure freshness and quality of crop, while saving farmers both time, and effort.



#### SECURE

Through stringent checks and balances across the process.



#### INTEGRATED

Seamlessly across the enterprise with Procurement, Financial and other systems, bringing in standardization and accuracy.



#### FARMER DELIGHT

By eliminating scope for malpractices, bringing transparency in weighing, speeding payments and enhancing farmer-factory connect.



**CMMI** DEV | ML5  
APPRAISED

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Through Innovative Usage of Technology”*

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## The Need

Small farmers look for their crop produce to be purchased directly from the field rather than traveling long distance to factories. This helps them not only save time, but also mitigate risk of spoilage.

Further, farmers are concerned about transparency during the weighment to payment process and would like any opportunity for willful or inadvertent errors eliminated through technology and stringent checks.

Similarly, factories dependent on the farmers for raw material also face challenges in terms of quality; predictability and consistency of the crop produce supply, to ensure continued and uninterrupted production.

A lack of a streamlined system allows intermediaries an opportunity to purchase the crop from the farmer directly and resell at incremental rates to factories. This can have consequences in both the quality as well as the cost of procurement while forcing farmers to sell at lower rates.

## What is Amity **SiA** Smart Weighment Solution?

Amity **SiA** Smart Weighment Solution for In-Field Purchase, is a specialized solution designed for managing the complete crop procurement cycle for agribusiness companies, and factories. Use of this software enables agribusiness companies to procure good quality, fresh produce consistently, ensuring least time gap from harvest to factory, thereby maximizing yield and minimizing waste. This ensures, both integration with the core business systems of the company, as well as timely payments to farmers, on a consistent and sustainable basis.



## Challenges

- High dependence on individuals/farmers during procurement process for authentication and other details.
- Disconnected systems leading to multiple points of entry and duplications, increasing potential for errors, slippages and data conflict.
- Difficult to assess, refer or trace transactions across the life cycle of each crop delivery.
- Time lag between each of the stages leading to delays in payment.
- No comprehensive view of crop and visibility of delivery, or real time alerts, posing potential for losses.
- Non-availability of timely data collection and integration into central systems, posing risk of information being suspect.
- Post-mortem information rather than informed decision making.
- No single view of the enterprise process for management decision making.
- Inadequate clarity, data discrepancies, and non-transparency, leading to lower trust between farmer and factory.



## Process Overview



Farmer Smart Card Issuance

- Farmer Registration and Unique ID allotment
- Capturing Farmer Details
- Farmer Smart Card Issuance
- Seed, Seedling and Fertilizer Issuance



Crop Procurement in Field

- Crop Purchase Authorization
- In field Crop Weighment
- On Spot Generation of weighment receipt to farmer through print and SMS
- Realtime transmission of transaction details to central server



Dispatch From Field

- Quality Inspection
- Reconstitution of bags
- Delivery Note Generation



Receiving at Factory

- Weighment at Factory gate
- Tallying of field and factory weight
- Transfer of crop for processing and production



Payments

- Farmer Payment
- Transporter Payment

## Key Benefits

- Smart card based automatic authentication and procurement process eliminating the human element and easing transaction for farmers .
- Outgrower Identification and Performance monitoring.
- Transparent and error free weighment process boosting farmer confidence and trust.
- Real time status of crop collected in the field.
- Maximizes yield and quality, due to speed in crop procurement, improved efficiency and minimized waste.
- Optimization of resource and operational costs by implementation of agri industry global best practices.
- Use of hard-to-forge secure technologies and systems eliminating wilful errors and malpractices.
- Quick and informed decision making based on real time data analytics.
- Seamless integration with other systems such as ERP, AMS etc.
- Timely information update and payments to farmers.

## About Amity

Amity Software was founded with a focus to provide technology driven solutions in line with industry best practices. Pioneers in providing Software & Smart Card technology based products and solutions, Amity's solutions are tailored to meet the specific requirements and in use across a wide range of industries including Insurance, Sugar, Steel, Cement, Agriculture, Retail, Health, etc.

We are SAP implementation partners for India and East Africa. Our expertise and experience is specially geared for the end-to-end execution of projects, from Conceptualization, Design, Solution Architecture, Process Re-engineering, Development, through till Installation, Testing and Commissioning. Our project execution methodology is backed by matured processes and secured work methods, as is evidenced in our CMMI Level 5, ISO 27001 and ISO 20000 certifications.

At the leading edge of System Integration Technologies, our success hinges on our unparalleled domain expertise spanning diverse industry verticals, in each of which we have designed and implemented path breaking, first-of-their-kind, mission-critical solutions. Amity enjoys a reputation for developing innovative turnkey customized solutions, delivered on time and within budget. Testimony to this lies in close to 100% of our customers, from across user segments, industry verticals and geographies, entrusting us with ongoing and repeat business.

Our management team draws from technocrats with experience across a wide cross, section of industries. A customer centric enterprise, the employee comprises of software engineers, R&D engineers, SAP consultants and technology specialists, have helped us deliver to our customers the best cost-performance advantage.

### Already in use at:

- |  |                                  |
|--|----------------------------------|
| ■ Africa Improved Foods (Rwanda)       | ■ Assopthe Cooperative (Rwanda)  |
| ■ James Finlays (K) Limited (Rwanda)   | ■ Kobacyamu Cooperative (Rwanda) |
| ■ Mara Tea (Kenya)                     | ■ Rugabano (Rwanda)              |
| ■ Rwanda Mountain Tea Limited (Rwanda) | ■ Sowarthe Cooperative (Rwanda)  |



## Our Offices



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