AMITY Software

Agriculture Management System

For Seed Industry

REDUCED MANPOWER

Automated system across the life cycle, eliminating dependence on individual skills and experience.

COST OPTIMAL

Due to reduction of cost for manpower, losses due to errors, enhanced productivity, yield and quality, with timely alerts.

SECURE

Through stringent checks and balances across the process.

INTEGRATED

Seamlessly across the enterprise with ERP, Smart Weighment and other systems, bringing in standardization across the enterprise.

FARMER DELIGHT

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

CMMI DEV /5 SM
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ISO 27001 Certified

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Amity Agriculture Management System for Seed Industry

The Need

Farmers are concerned about the productivity and quality of their crop, requiring a planned and consistent approach from soil assessment to ensuring a healthy crop. Further delivery farmers are concerned about transparency as the reliance on operators, presents an opportunity for willful or inadvertent errors during weighment and validity check.

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

Even where the farms are owned by the company there is a critical requirement for optimally enhancing the productivity and yield, both in terms of quality and quantity. This entails stringent monitoring and control right from cultivation, through maturing and supply for onward production.

What is Agriculture Management System

Agriculture Management System (AMS), is a specialized solution designed for managing the complete life cycle of its crop for agribusiness companies, factories, agriculture institutes and large scale farms. This software enables agribusiness companies to manage good quality, consistent, adequate, and on-time supply of crop, addressing all aspects of cultivation, monitoring, harvesting and financials, including payments to farmers and contractors, on a consistent and sustainable basis.

Manual System

Most processing plants working on manual or semi-automated systems can be beset with potential risks ranging from slippages in the process, duplications, to willful frauds and accidental errors. Due to the high degree of dependence on the knowledge, experience and skills of individuals, as well as on systems fully or partially disconnected from the rest of the plant operations, each stage can have additional bottlenecks and gaps.

Drawbacks

- Disconnected systems leading to multiple entries and duplications, increasing potential for errors, slippages and data conflict.
- High dependence on individuals.
- Difficult to assess, reference or trace transactions across the life cycle for each crop delivery.
- Inadequate clarity and transparency leading to lowering of trust between farmer and factory.
- Time lags between each stage 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 ERP and other systems poses the risk of information being suspect.
- Post-mortem information rather than informed decision making.
- No single view of the enterprise process for management decision making.

Process Overview

Land Acquisition and Preparation

Outgrower Management
- Outgrower Registration
- Plot Registration
- Farming Contract
- Pre Planting Assistance

Farm / Estate Management
- Land Purchase
- Land Leasing and Contracting
- Pre Planting Activities
- Nursery Management

Crop Management

Agriculture Engineering
- Machinery Management
- Land Preparation Program
- Survey Program
- In Field Road Maintenance

Input Management
- Seed Supply Program
- Fertilizer Supply Program
- Water Supply Program
- Quality Inspection

Harvesting
- Harvesting Calendar
- Harvesting Management
- Daily Harvesting Program
- Mechanical Harvesting

Despatch and Delivery

Transportation
- Vehicle management
- Transport program
- Driver management

Weighbridge
- Quality Inspection
- Gross Weighing
- Tare Weighing
- Weighbridge Ticket

Post Delivery Operations

Processing
- Selection
- Drying Shelling
- Sorting, Dressing & Packaging

Billing / Payments
- Agricultural Services Billing
- Input Billing
- Interest Computation
- Farmer Payment
- Harvester Payment
- Transporter Payment
- Contractor Payment

Amity Agriculture Management System for Seed Industry

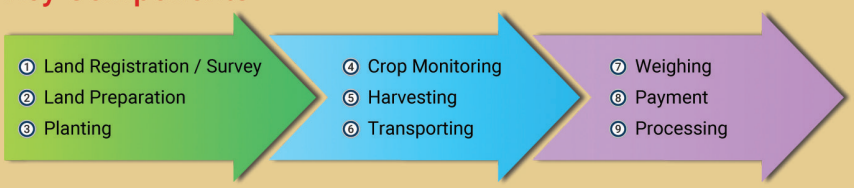
AMITY Software

Amity's Agriculture Management System is a comprehensive, robust system that addresses end-to-end requirements across the crop life cycle, from pre-cultivation preparation, through till the delivery of the mature crop. Our AMS ensures maximum production yield at best quality, ensuring timely inputs, close monitoring and efficient operations, consistently and predictably. The system ensures optimized utilization of the field staff, by providing relevant information, in time, enabling remedial measures, eliminating errors and averting losses. Designed for 24x7 operations, our AMS offers a field-proven, scalable, transparent and sustainable solution with minimal dependence on human interface and maximum utilization of automation.

Our AMS drives in efficiency in operations as a planned and streamlined process with each stakeholder, and at each stage of the workflow, seamlessly executing its function to ensure end-to-end and uninterrupted supply of raw material in the plant.

The system also allows for course correction, remedies and interventions, as and when any emergent or adhoc situation arises, through close monitoring and timely alerts. At all the critical stages, quality checks are undertaken to enhance the health of the seeds.

Key Components



Key Features and Benefits

- **Best Business Practices**: Our AMS brings in the industry best practices for Agriculture business for managing the complete, end-to-end crop lifecycle.
- **360 Degree Control**: AMS provides complete control on the crop to ensure maximum yield from each field. It covers all the aspects - keeping track of dates for various agri processes, computing quantities of various inputs like seed, fertilizer, pesticides, scheduling, harvesting, planning for labour, and organizing transport.
- **Improved Factory-Farmer Connect**: Our AMS brings transparency in the system and helps improve the relationship of the factory with outgrowers and contractors. The system provides complete traceability of the crop and its quality right till the individual field.
- **Cost Optimization**: Our AMS optimizes all processes in order to minimize manpower and material inputs, enabling saving of time and cost.
- **Integration With SAP/Other International ERPs**: Our AMS seamlessly interfaces with ERP solutions like SAP as well as other leading international ERP products so as to ensure that both the products work together as an integrated system.
- **Valuable Analytics**: Our AMS enables better decision making by providing valuable analytics and information on a timely and consistent basis.

About Amity

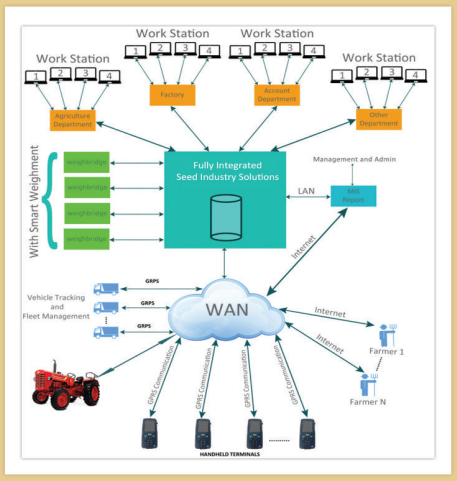
Amity Software was founded with a focus to provide technology driven solutions in line with industry best practices. Pioneers in providing Software & Smart Card technology based products and solutions, Amity's solutions are tailored to meet the specific requirements and in use across a wide range of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

We are SAP implementation partners for US, 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 Clients (Agri Industries)

- Aira (U.P.)
- Cooperative Factory, Gujarat (6 Mills)
- DCM Shriram Industries (3 Mills)
- Gurdaspur (Punjab)
- Kareli Sugar (M.P.)
- Naraingarh (Haryana)
- Sasamusa Sugar (Bihar)
- Triveni Group (7 Mills)
- Yamunanagar (Haryana)
- Mahalaxmi Sugar (Nepal)
- SONY Sugar (Kenya)
- TGI Agri (Nigeria)
- Bajaj Group (12 Mills)
- Dalmia Group (4 Mills)
- Deorahi (U.P.)
- Harinagar (Bihar)
- Karnal Cooperative (Haryana)
- Piccadilly Sugar (Punjab)
- Simbhaoli (3 Mills)
- Uttam Group (4 Mills)
- Eastern Sugar (Nepal)
- Sriram Sugar (Nepal)
- Sukari Sugar (Kenya)
- Kabuye Sugar (Rwanda)
- Birla Group (6 Mills)
- Daurala (U.P.)
- Dwarikesh Sugar (U.P. - 3 Mills)
- HPCL Biofuels Ltd. (2 Mills)
- KM Sugar (U.P.)
- Renusagar (U.P. - 3 Mills)
- Swaraj Agro (Maharashtra)
- Vanshika Sugar (M.P.)
- Everest Sugar (Nepal)
- Kenya Seed Company (Kenya)
- Transmara Sugar (Kenya)
- Kakira Sugar (Uganda)
- Captainganj (U.P.)
- Daya Sugar (U.P.)
- Gopalganj (Bihar)
- Indian Potash Ltd (5 Mills)
- Nahar Sugar (Punjab)
- Riga (Bihar)
- Tikola (U.P.)
- Yadu Sugar Group, Bihar (2 Mills)
- Himalaya Sugar (Nepal)
- Mumias Sugar (Kenya)
- West Kenya Sugar (Kenya)



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