

# AMARYA

## TECHNOLOGIES

*Delivering Innovative Enterprise Solutions*

A Division of Amarya Technologies Inc., USA



The Sugar industry is one of the largest and growing industries in the world, serving millions of farmers, processors and communities. World over it has taken up a challenge to sustain sugar production, especially in times when input costs are spiraling and trading has become highly competitive. Growing the cane efficiently, considering proper cane management system, has greater financial impact on the profitability of an industry than the subsequent processing. Amarya presents an integrated approach to achieve this goal



## WE

Amarya Technologies is a US based company, founded by a group of experts; pioneers in the field of Enterprise Applications. With a division in India, it has set out to create a niche in building composite applications in addition to the standard ones.

In the new era, sustained growth with high quality services is the one and only way for every enterprise to succeed. At Amarya, we help enterprises achieve growth while maintaining best in class customer satisfaction.

'Partnering in Growth' is the philosophy that drives the team at Amarya. Satisfaction of our clients underpins the corporate philosophy of Amarya Technologies. As part of our focused entrepreneurship initiative, we provide a unique platform to the entire community of business experts and technology evangelists to strengthen their skills from being a beginner to reach the expert level where they can self build and deploy composite applications. What makes us different and unique is our focus on delivering flexible and innovative enterprise solutions that our clients can adopt and deploy rapidly to differentiate themselves in today's changing market conditions.

We build on reliable trusted partnership and strongly believe in long term relationship cultivated through delivery of high-end business solutions and services.

## A unique industry

With seasonal production activity, the Sugar industry has very unique needs to enhance the business processes to achieve high rate of productivity. Real time availability of critical information like crop (climate, soil, irrigation, farming patterns etc), production (timely crushing, sugar recovery, raw material utilization and losses), policy decisions by government bodies (Statutory Minimum Price for Sugarcane and Sugar, Molasses, spirit), policies regarding byproducts (ethanol, co-generation) have a crucial impact on the business.

With its vast experience in providing pre-implementation, implementation, End User Training & Documentation and post-implementation dedicated support & maintenance service to its clientele on Advanced Technology suite of products and with a team of Sugar Technologists and Cane Procurement & Management Officers, Amarya Technologies offers a comprehensive solution for Sugar Industry.

The objective of the solution is to cater to the complete business requirement of sugar industry, in an integrated manner and ensure absolute automation of various user process requirements. The modules are integrated into one another by way of data integration capabilities and a few modules to the extent of process integration.

### Technical Features

Technical Features:

- Fully integrated
- Three Tier Application Architecture -  
User Interface, Business Logic & Data Layer
- Stand alone, LAN and WAN
- Interface to other Tools & Utilities such as  
Smart Card  
Phone Services - SMS/ IVR (Interactive Voice Response)

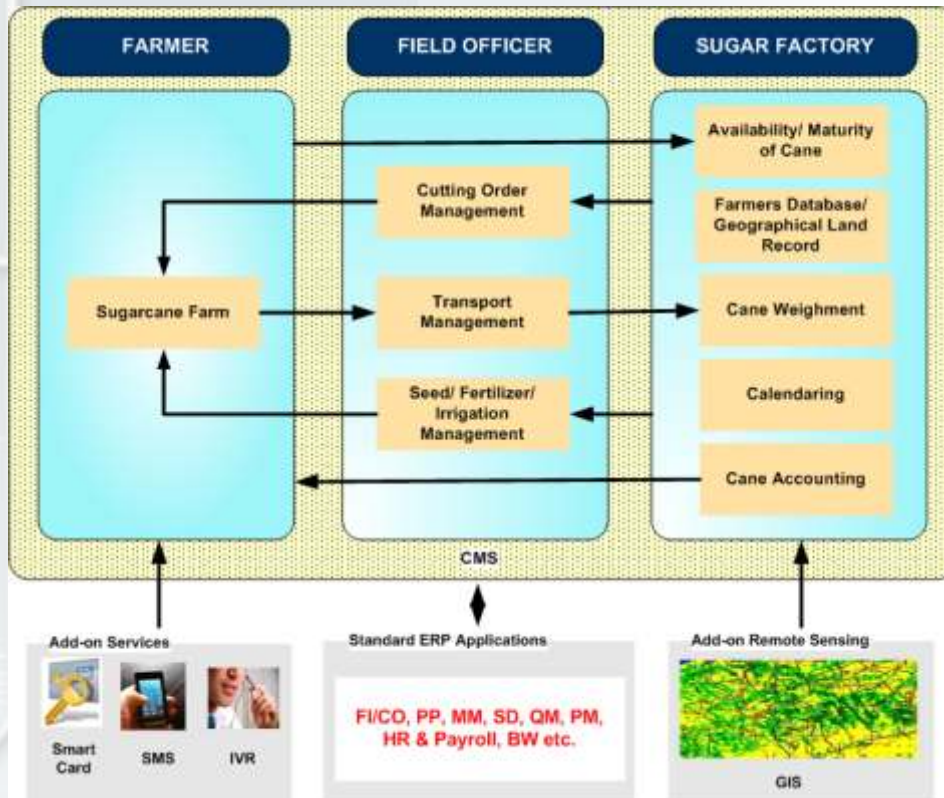
### Business Benefits

The Cane Management System developed by Amarya Technologies is integrated with standard ERP solutions. Deploying standard ERP solutions at an enterprise results in business benefits like:

- Standardization and documentation of business process
- Real time data availability and deeper visibility
- Flawless planning of resources - human, financial, machine & material
- Faster Decision making
- Paper less functions
- Re-engineering of process
- Accounting of activities
- Efficiency improvement & cost control



### Solution for Sugar Industry



The solution for Sugar Industry has the following modules:

### Cane Management Systems

Cane Management is a very critical process in the sugar industry. A large number of farmers, equally a large number of the fields scattered over an area of ( ± ) 500 square kilometers makes the task of managing the perishable crucial input a critical nature. The cane management system provided by Amarya Technologies takes care of each component required for scientific and efficient cane management. It includes data related to farmer, the land, climate, processes at the factory end and financials. It manages cane supply records of thousands of farmers. Fully integrated with standard ERP solutions, it gives detailed information of availability of sugarcane in the plant area that ultimately helps the factory for proper production planning. The system also gives real-time data transparency and visibility to factory and farmers at once. It easily interfaces with other tools and utilities like Smart Card, SMS Services and On-Phone reporting (IVR).

#### Features:

- Geographical Land Record Management
- Farmers Database Management
- Cane Plantation Management
- Seed and Fertilizer management
- Irrigation Management
- Cane Calendaring

#### Smart Card



Farmers details such as ID, Photo, Electronic Signature, Address and related details can be stored in the Smart Cards which can be given to Farmers. Their Cane Supply, Payments made & pending and all other related details can be tracked by the Smart Card which can be read / written at various centers / units of the organization.

#### SMS Utility



With the wireless telecom revolution, most of the farmers in the remotest parts of India are equipped with mobile phones. Most of the data needed to be communicated to the farmers can be sent through SMS and if needed, they can be given access through web browsers as well as on their mobile.

#### IVR



**Interactive Voice Response:** This service is just like phone banking for those who don't have mobile with them. Members can dial a specific number and get the details of payment and other things.



### Financial Accounting and Cost Controlling:

Provides streamlined functionalities that allows visibility, increases productivity and regain control of business processes. Comprehensive item management, controls over payments, and tracking daily transactions are other features of the system.

#### Features:

- General Ledger Accounting
- Accounts Payable
- Accounts Receivables
- Treasury Management
- Asset Management
- Bank Accounting
- Profitability Analysis
- Product Cost Planning
- Product Cost Controlling
- Taxation and Excise
- Cash Management
- Closing Activities

### Material Management:

Provides a repository for managing vendors and products information to be used throughout production process. It also maintains all stock balances and projected inventory information for use in reserving, allocating and promising inventory and follows up with Vendors.

#### Features:

- Vendor Selection & Management
- Create Contract with vendors
- Purchase order processing
- Goods Receipt
- Inspect Goods
- Store Maintenance

### Production Planning:

Provides better visibility of raw material utilization and losses and improved production cycle. Improve asset utilization by proper planning of production.

#### Features:

- Demand planning based on historical data
- Material Resource Planning
- Sugar Recovery Reports

### Quality Management:

This module helps to maintain Quality statistics on finished goods, work-in-progress and raw materials including sugarcane and other inputs.

#### Features:

- Quality Statistics – Finished Goods
- Quality Statistics – Raw Material

### Sales & Distribution:

Sales application consists or order booking, order allotment with respect to sugar & molasses sales. All data related to sales like Govt. release order, allotment to the members and sale in open market, payment received from the traders, sugar grade/packing details are recorded. However, for cooperatives many of these features may prove redundant given the controlled nature of the business.

#### Features:

- Government Release Order
- Process Sales Order – Open Market
- Credit Management
- Agent Commission Management
- Receivables/Payment Collections

### HR and Payroll:

Detailed employee database is maintained along with the details of salary, attendance and leave of each employee.

#### Features:

- Recruiting Management
- Performance Appraisal
- Organizational Management
- Time Management
- Training
- Payroll

### Plant Maintenance:

Complete control over the maintenance of various Equipments/machinery used in factory. It provides various methods for maintaining equipments/ Machinery involved in production to carry out uninterrupted work.

#### Features:

- Preventive Maintenance
- Breakdown Maintenance
- Exceptions Management
- Scheduled Maintenance
- Fault Alert System

### BW (Business Warehouse Management):

The system provides detailed information of stock of sugar and its management.

#### Features:

- Sale quotas
- Reserved stock
- Allotted stocks
- Daily material dispatch Reports

## Amarya Technologies Pvt. Ltd.

C-303, 304, 305; Mega Centre,  
Pune-Solapur Road,  
Hadapsar, Pune 411028  
Maharashtra, INDIA

☎ : 020-30491315, 30491327

500 Loadstar Lane,  
Unit 12205  
Fort Worth,  
TX 76108, U.S.A.

☎ : 1-408-754-7361

