

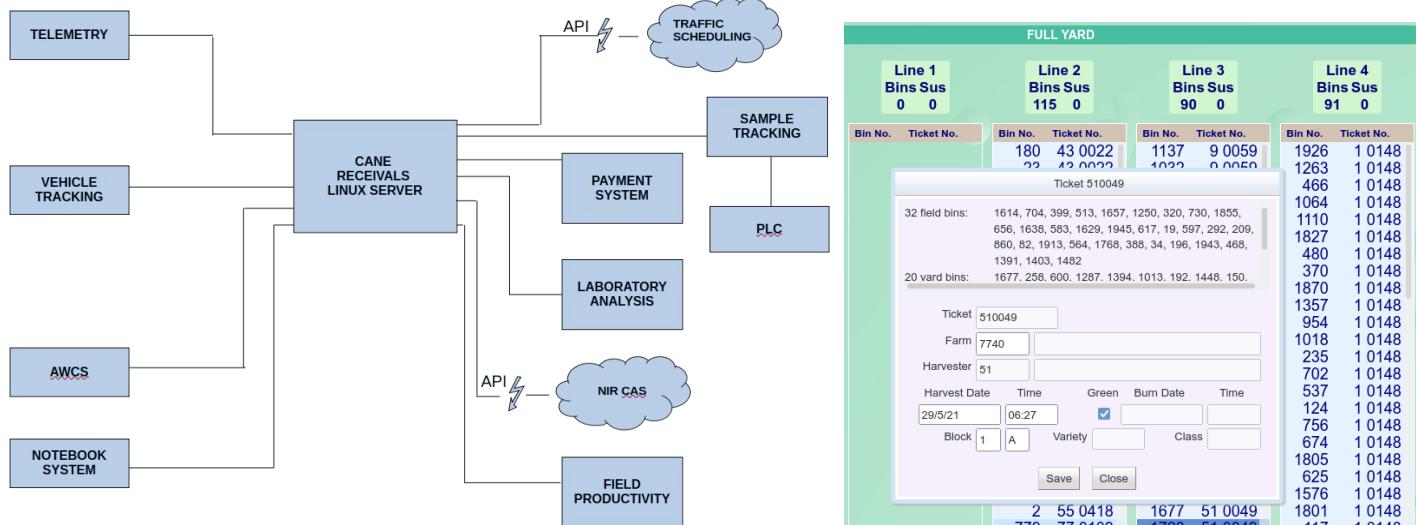
Mirrabooka

Providing software solutions to the sugar industry for more than 30 years



Cane Receivals Management Information System

The Cane Receivals System is a complete Management Information System that accommodates all phases of supply and processing of the cane from the grower to the mill. It is comprehensive suite of application modules, designed to satisfy all requirements of the industry.



Features:

- Capture of consignment details
- Weighbridge and tip control
- Full System Overview and Operations Mimic
- Sample tracking
- Laboratory Analysis
- Factory production information

Field Productivity systems

- Recording of all farm field statistics
- Grower feedback using web, email, fax and mail

Interface to a full payment system

Cane Cloud – Grower online reporting

System Administration

Capture of Consignment Details

As the cane is harvested and transported to the mill, the consignment details are recorded using one of the following methods:-

- Written Consignment Form
- In field Telemetry using the 3G, 4G and 5G mobile phone network



Full Yard Handling

This display illustrates the complete receipts cycle for a mill using rail transport.

Field Queue – displays the bins sent in from field telemetry devices.

Full Yard – Bins are identified by RFID readers and matched to Telemetry if available. Manually consigned from paper tickets.

Notices Window – Should a diagnostic warning message or a more serious error occur, these will be displayed in this window. A serious error is displayed in red, the diagnostic error in amber and when the error has returned to normal, is displayed in green.

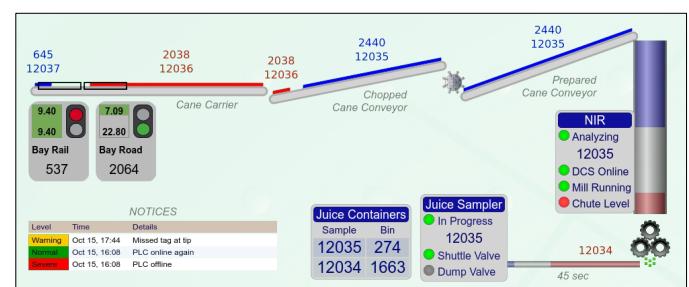
Weighbridge and Tip Control



In some installations, the weighbridge and tip are combined, while in other sites, these can be several hundred metres apart. The automatic control of these two devices is unique to each installation. Control strategies have been developed for a number of configurations which utilise PLCs for the field I/O control

Sample Tracking

This package has been designed as a total solution for a continuous cane tracking application. It tracks the cane from the weighbridge to the laboratory analysis equipment, allowing each growers' delivery to be identified at each stage through the process.



Laboratory Analysis System



This is a comprehensive range of application modules designed to satisfy all requirements of the sugar industry laboratory.

The new integrated laboratory system package was designed to integrate the traditional laboratory analytical methods and the NIR Cane Analysis results. This system records both method analysis results and provides the user with the ability to switch between methods and provide comparisons between both analysis sets.

Factory Production Information

The factory production information is collected on an hourly basis, with real time display screens and reports providing details for hour, shift, daily, weekly and season to date values.

Field Productivity System

In the sugar industry today, a great deal of emphasis is placed on farm productivity, and this module provides an extensive level of feedback to the grower.

This package has been designed to assist the mill in determining crops estimates, readjusting estimates and the allocation of harvest quotas for farms. It provides harvest details for the harvesting contractor, including details of their daily allocation and production information. This assists growers in future crop planning.

Payment System Transfer

At the completion of the delivery period (usually one week), the end of period procedures are carried out. One of the many functions of these procedures is the calculation of payment units for each grower. These calculated payment units can be actual units, or relative unit, determined by either the weekly or daily relative scheme, whichever is adopted by the mill. This transfer data is made available to the Cane Payment System.

Online Grower Reporting – CaneCloud

Cane Cloud is a web based reporting system for growers and harvesters. It allows tracking and confirmation of individual deliveries, monitors farm performance, all updated throughout the day. Cane Cloud is hosted on Mirrabooka's VPS.

The screenshot shows the CaneCloud interface. At the top, there is a navigation bar with the Mirrabooka logo, 'Reports' and 'My account' links, and a 'Logout' link. Below this is a green header bar with the text 'Grower Registration ID 80665'. The main content area is divided into two sections: 'Reports' on the left and a large 'Grower Delivery Report' table on the right. The 'Reports' section contains links to 'Grower Delivery Report', 'Bin Delivery Report', 'Farm Block Data Report', and 'Variety Dissection Report'. The 'Grower Delivery Report' table has columns for Deliv No, Sample No, Ticket No, Block/Sub Block, Variety Code, Pad/Siding, No of Bins, Avg Bin Wt, Tonnes, Actual CCS, Fibre, Juice Purity, Ash, and Crush Date/Time. The table displays several rows of data, each representing a different delivery record. At the bottom of the page, there is a footer with the text 'The Sugar Mill' and 'Thursday 03 February 2022'.

System Administration

The administration of the system is available through the system administration account which is restricted to key personnel. This account provides a full range of options which allows the System Administrator to fully maintain the system.