



Mirrabooka

The Cane Sample Tracking System will track individual grower deliveries from the mill entry point (weighbridge) through the milling train to the laboratory.



Sample Tracking System

Total cane & sample tracking solution

Full flexibility supports a range of online and laboratory analysis

The SamTrack package has been designed as a total solution for tracking cane deliveries from the point where the cane enters the factory through the processing stage, to the online analysis that determines the product quality. The application consists of both hardware and software components, and can be provided as a stand-alone system, or can be integrated with the existing systems.

Features:

Continuous tracking, calculated wash cycle for an even carrier feed

Optimised sample length using the delivery net weight

Interfacing to integrated or third party Cane Receivals System

RFID (Radio Frequency Identification) vehicle & driver identification

Graphical Mimic tracking display

Graphic Tip Mimic of vehicles between Weighbridge & Tip

PLC Control Module for field I/O

Industrial grade display with touch screen for remote displays & data entry

Control first expressed juice sampler

Interfacing & control of NIR Cane Analysis System

Automatic Brix & POL instruments interfacing

Online database enquiries and Extensive reporting

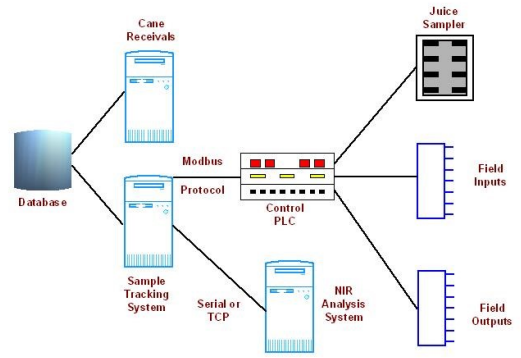
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SamTrack – Description

Overview

The overall system consists of two major sections which are integrated to provide both the interfacing to the main Cane Receivals database and the field hardware. The two main components of the Sample Tracking application are:-

- Configuration and Control Software
- Data Acquisition and Control PLC



Interface to integrated or third party weighbridge system

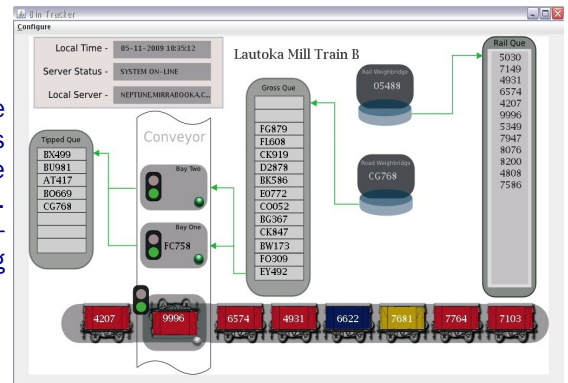
Cane Receivals/Sample Tracking Interface

SamTrack may be part of an integrated package is carrying out the solution for a full Cane Receivals MIS weighbridge data capture, data package or a free standing solution transfer to the Sample Tracking can occur using a standard interfacing In the situation where a third party method.

Vehicle Tracking

Manual Identification

The vehicle data can be transferred from the weighbridge recording system as the vehicles are weighed. As indicated above this maybe an integrated package or third party supplied. A graphical utility has been designed to provide the operator with a means of identifying the vehicle currently on the tip.

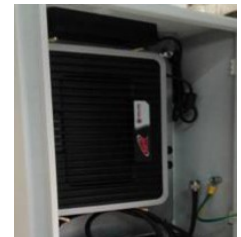


Automatic Identification using RFID

Vehicles can be fitted with RFID (Radio Frequency Identification) tags or drivers may be allocated an RFID smart card so that vehicles are easily identified at the weighbridge and the tip. Either of these methods can completely automate the tracking of deliveries as they progress through the factory.



RFID TAG



RFID READER

RFID automatic identification of vehicle or driver

Tip Mimic Display



This is an industrial grade display with a touch screen feature that provides the operator with details of vehicles at the tip bays. This can be configured for road or rail deliveries with single or multiple tip bays. The Display can be set to suit the particular mill tip configuration.

Displays multiple tip bays with indication lights

