

BENEFITS OF TANKASSURE



Transparency:

The system will show the quantity of milk transferred in the tanker and temperature of milk at the DCS location in real-time – bringing transparency between collection point and Dairy.



Ease of Data Management:

The system automatically and digitally records the data which is stored directly in the server.



Minimize manual Intervention:

The data is automatically recorded, hence there is no need to enter data manually, thereby reducing the chances of human error.



Reduction in Sampling Error:

As sampling is done automatically, the chances of sampling error are greatly reduced, and the accuracy of samples is ensured.



Farmer Assurance:

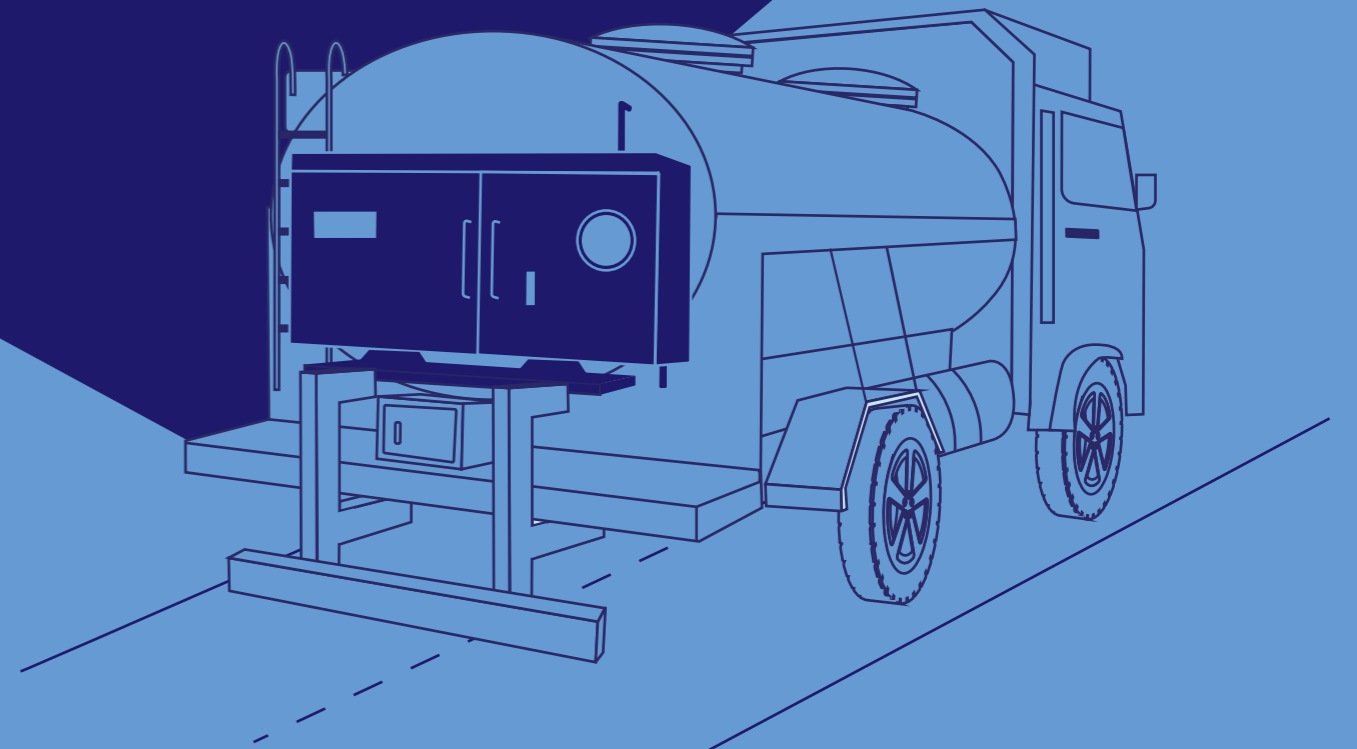
Due to auto sampling, the accuracy of milk samples is high, so the farmer can feel assured about getting correct payment for their milk poured.



Profitability of Dairy:

With accuracy in sampling and quantity of milk, the overall effectiveness and profitability of Dairy shall increase.

AUTOMATIC MILK SAMPLER SYSTEM FOR MILK TANKERS



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The pursuit of purity

TankAssure
AUTO SAMPLER

An Inefficient Current Practice

Accurate recording of the milk quantity and quality collected at the milk collection points is an essential piece of information in the milk value chain. The current practice of manual dipstick reading is prone to human error and calibration error.

Furthermore, there is no system to measure the temperature of the milk transferred to the milk tanker at the collection point. Dairies are also facing problem of milk pilferage, adulteration, and sample tampering.

A CHANGE FOR GOOD!

PRESENTING,



An Automatic Milk Sampling System, with GPRS facility.

TankAssure comes in the form of a box that is mounted on the tanker, and functions to automatically collect BMC milk samples, measure milk quantity and temperature with the help of an in-built magnetic flow

meter with a temperature sensor. It is a closed, containerised and digitally password-protected system that consists of seven sampling pumps, and RFID tagged tamper-proof sample vials.

Key Highlights Of The System

- The electronically protected door can be opened only at the dairy plant by authorized persons only.
- The system can be configured to start/stop operations at the targeted location only.
- The entire operation is controlled by a web-based application system operated through a Tablet device. The data can be transferred to the central system at the dairy for further analysis & evaluation.
- Prompt Logistics App and/or Prompt AMCS App can be integrated into this system for route management.

TANKASSURE - TECHNICAL SPECIFICATIONS

No. Of Sampling Bottles	6 for Society Samples 1 for Composite Sample
Peristaltic Pumps	7 No.
Sampling Capacity	40 ml
Major Technology Parts	PLC, Electro Magnetic Flow Meter, GPS, RFID Tag & Reader, Peristaltic Pumps
Data Transmission	Through Wi-fi, 4G
User Interface	8" 4G + Wi-Fi Tablet
Central Data Controlling	Through Central Web Base Application
GPS	GPS, GLONASS or Galileo, 24VDC, Ethernet, IP68, Internal Antenna, Temperature Range -40 °C +70 °C
Flow Meter	Electromagnetic Flowmeter Measure: Flow, Temperature and Quantity Output: 4-20mA, Pulse , Accuracy Max. ±0.05 % o.f.s. or ±5 µA
RFID Tag Reader	13.56MHz, LED Indication, IO-Link Interface, M12 Connection, IP67
RFID Tag	13.56MHz, Readable and Writable, 2kBit EEPROM, ISO15693, IP68
Supply Voltage	24V DC (From Tanker Battery)
Housing	SS304
Electronics Control Panel	SS304, IP65
Milk Line	1.5 Inch, MOC SS 304 Semi Simless
Fitting Clamp	1.5 Inch, MOC SS 304
NRV	1.5 Inch, MOC SS 304
Filter	2mm Perforated 2mm Thickness
Air vent	1 Inch, MOC SS 304 Gasket-EPDM End Connection-1.5" TC end
Weight of Auto Sampler	< 250kg
Dimension Of Auto Sampler (mm)	1575 X 777 X 500
Door Lock	Electro-mechanical, IP67 Protected