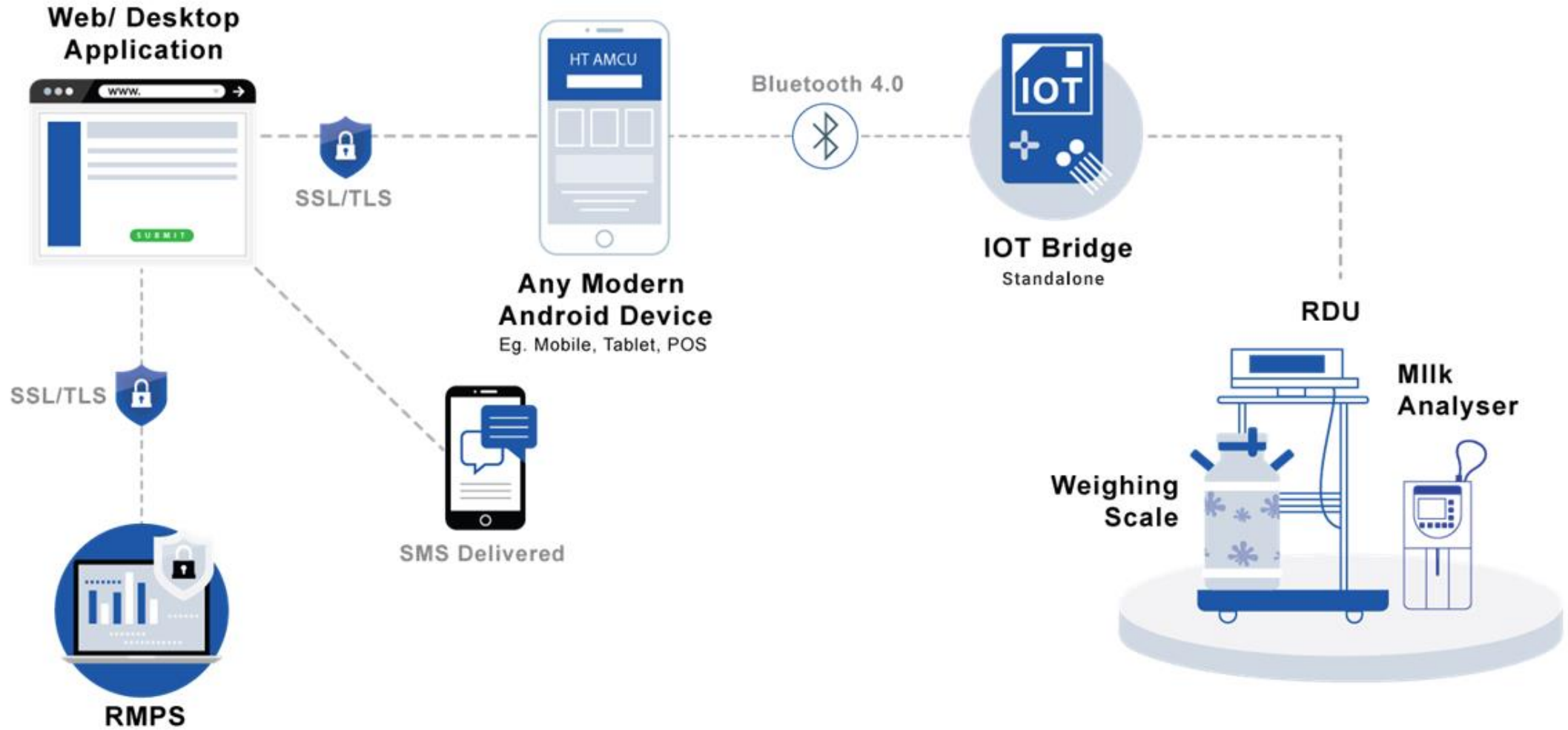




Milk Procurement Solution

Android Mobile AMCU by Hindustan Thermostatics

PROPOSED DATA FLOWCHART



ULTRA SCAN SWIFT IoT BOND



Stainless Steel
304



FASTEST ANALYSIS

Most unique product in its class which gives results in just 18 secs and server data sync within 0.9 sec



BLUETOOTH CONNECTIVITY

Just plug and play Bluetooth connectivity for seamless data capturing



CONNECTIVITY

Data output via Bluetooth & use your own android cell phone to capture & save data



Swift Milk Analyzer + Ultrasonic Stirrer + 100 Kg Electronic Weighing Scale + Thermal Printer + Android APP + 3 Year Web Server + 1000 Sms



HINDUSTAN THERMOSTATICS | 24X7 CUSTOMER CARE SUPPORT | +91-9359 9359 49



DPU REPLACED BY mAMCU



- ✓ We are not using any conventional DPU for processing milk collection data.
- ✓ All calculation and data is processed only in Mobile Application itself.

EMM (ENTERPRISE MOBILE MANAGEMENT)

Lock & Wipe Feature

Device Lockdown
Restrict access to the device

Wipe
Wiping your device will clean all files, documents, images etc.

Wipe device

Reset/Clear Passcode

Screen lock
Lock your device if you notice any suspicious activity

Screen lock

Single/ Multi Application Mode

Device mode
Kiosk
Pinned app **Mobile AMCU** [Change](#)

Switch to Multi Application

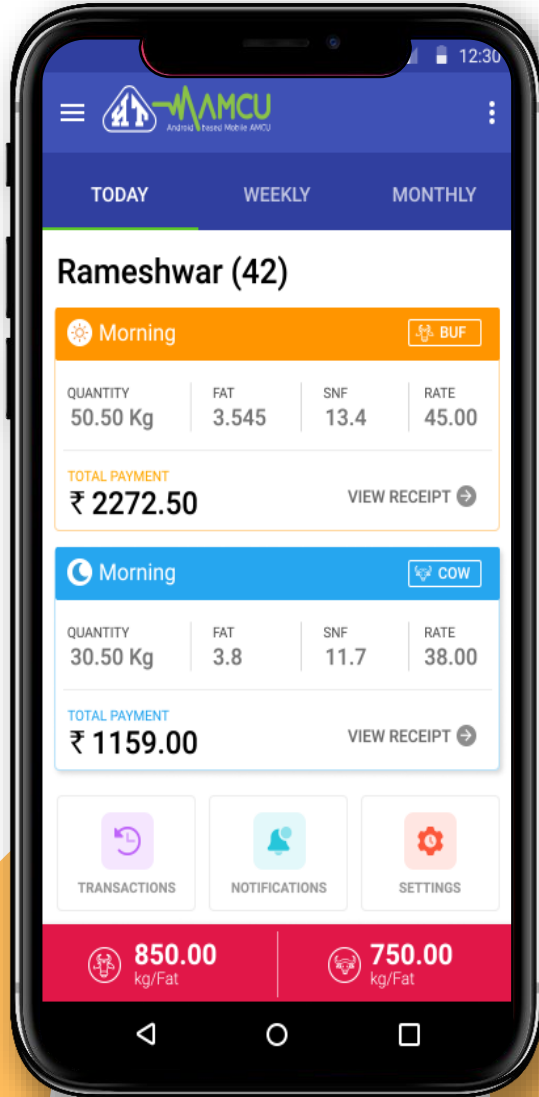
- ✓ 256-bit AES encryption enabled
- ✓ Lost Mode
- ✓ Device Inventory Data

- ✓ Two-factor Authentication
- ✓ Geo Tagging

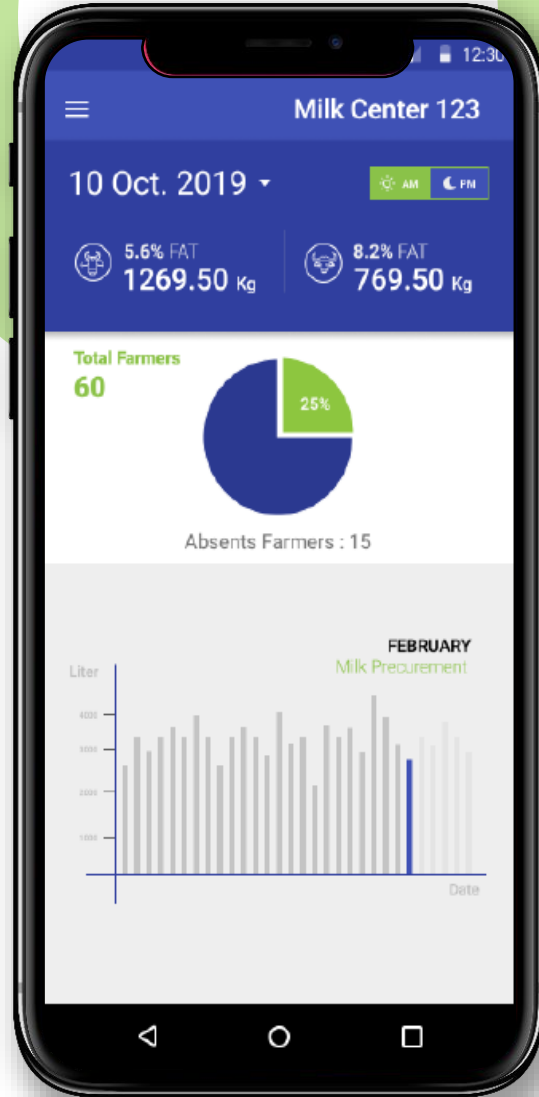
Control/Customize your Android Device with multiple enterprise solutions

POWERED BY

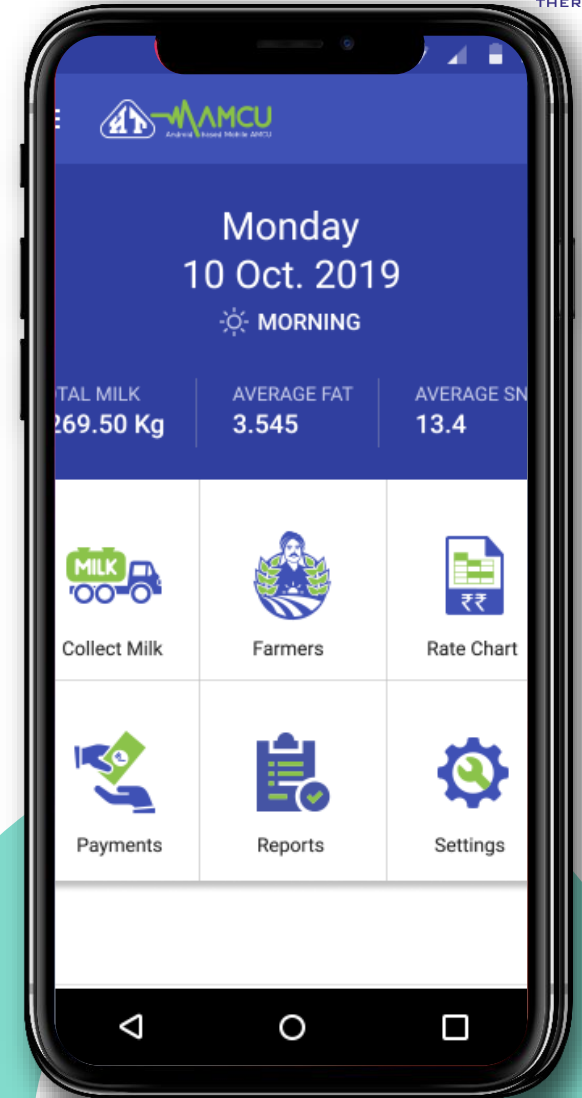




Farmer Mobile App



Supervisor App



Collection App

MOBILE APP

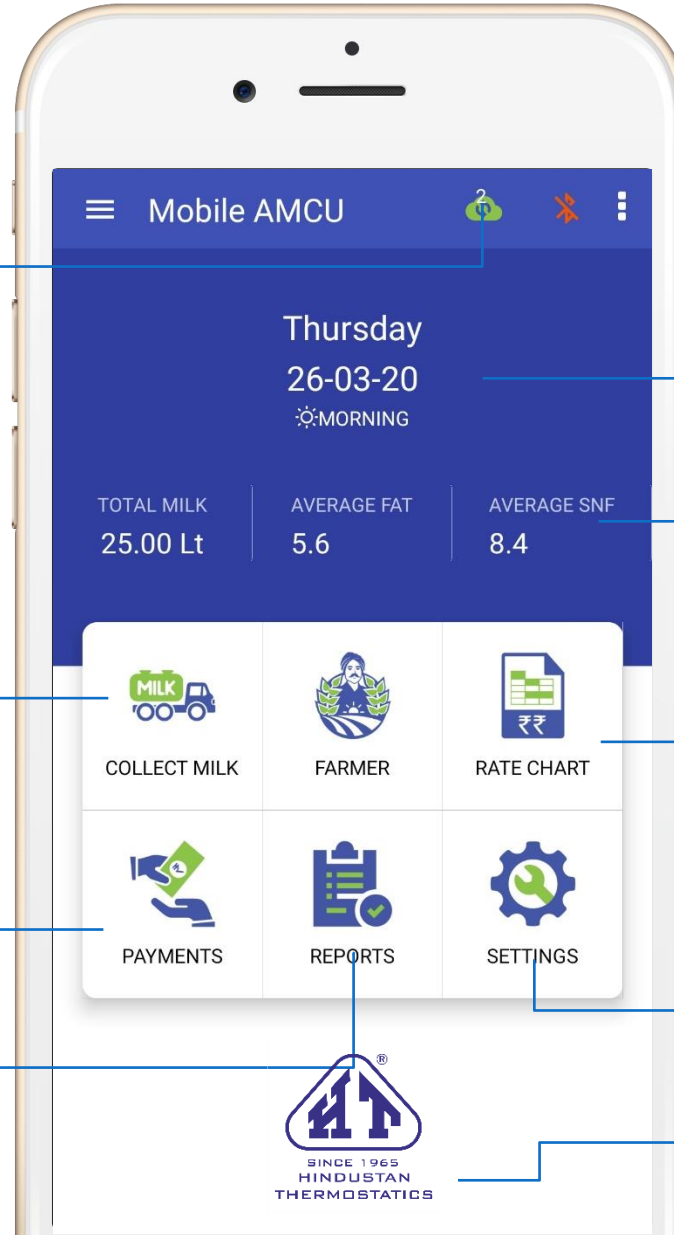
Collection App

Cloud Sync
Status with
AMCU/AMCD server

Collect milk with
automatic or Manual
options

Payments to
the farmer

All reports on a
single click



Current time and date

Total milk collected with
Avg. FAT & SNF

Rate Chart auto sync
with web server as
well as offline update

Two-way auto sync
setting *first in
entire industry*

User's Logo

MOBILE APP

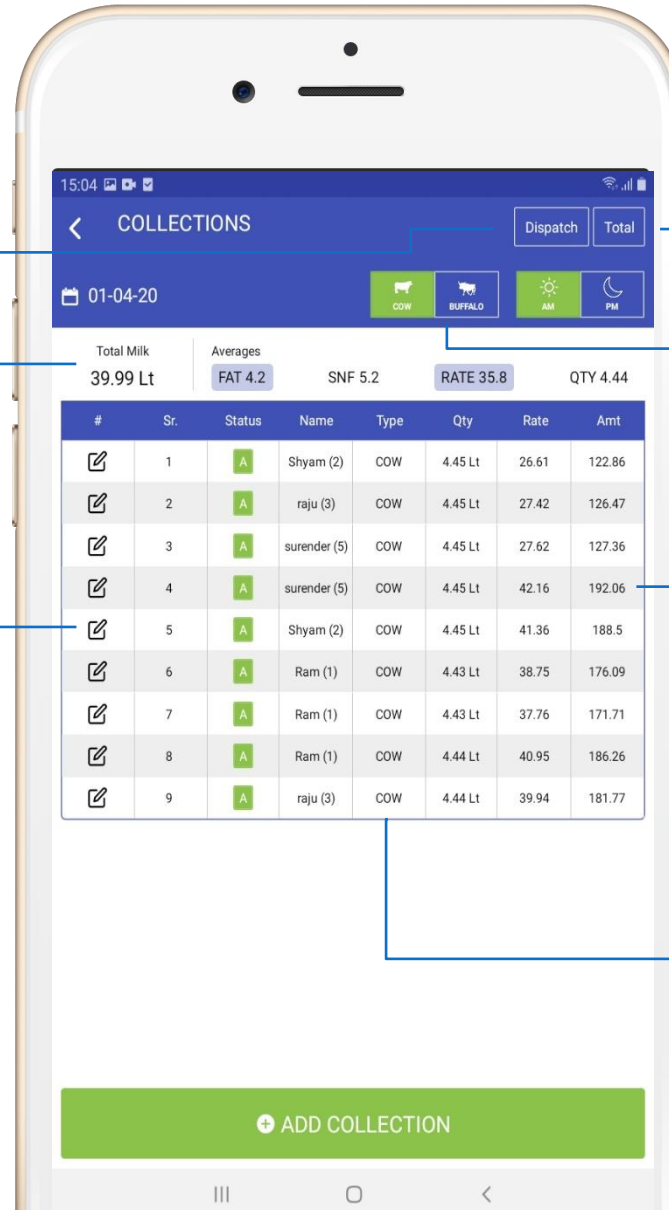
Side Agency App

Dispatch Report

Shift Summary

- ✓ Total Milk
- ✓ Avg. FAT
- ✓ Avg. SNF
- ✓ Avg. Rate
- ✓ Total Amount (₹)

View or Edit Option



Total Milk Summary

Select Type of Milk

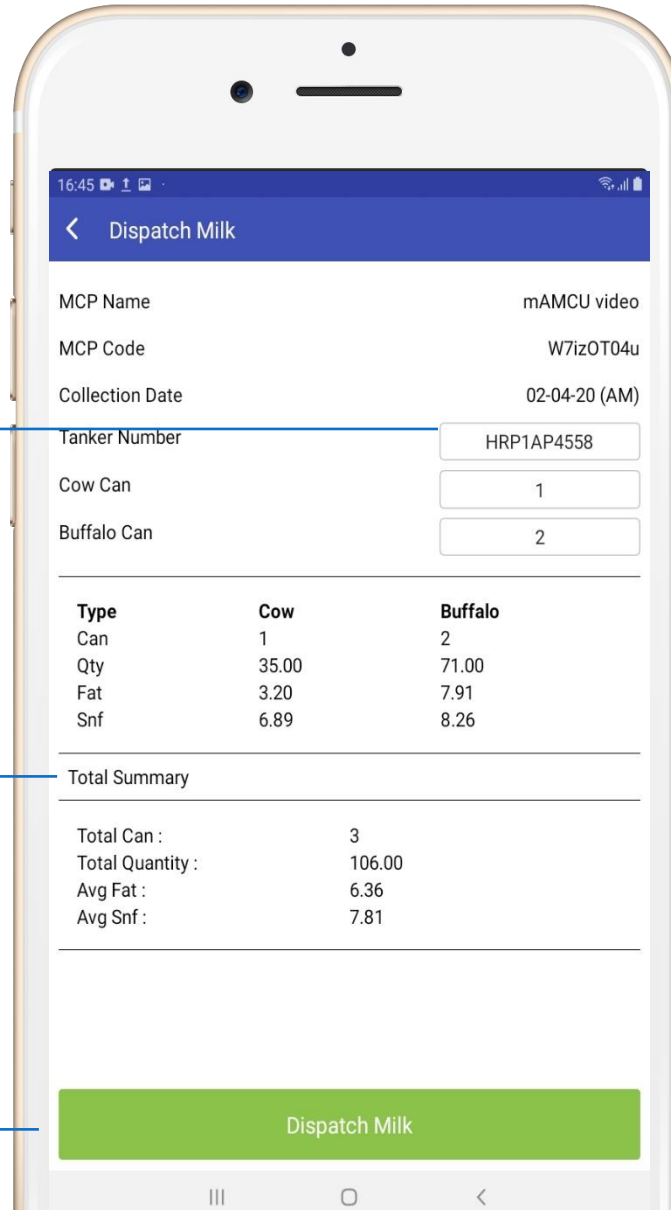
Total Amount of Farmer in Rupees (₹)

Complete Table with Quantity, Milk Type, Farmer Name, Rate

MOBILE APP

Milk Dispatch

Enter tanker number



16:45

Dispatch Milk

MCP Name mAMCU video

MCP Code W7iz0T04u

Collection Date 02-04-20 (AM)

Tanker Number HRP1AP4558

Cow Can 1

Buffalo Can 2

Type	Cow	Buffalo
Can	1	2
Qty	35.00	71.00
Fat	3.20	7.91
Snf	6.89	8.26

Total Summary

Total Can :	3
Total Quantity :	106.00
Avg Fat :	6.36
Avg Snf :	7.81

Dispatch Milk


Total summary
With averages






Generate QR Code on
dispatch

Dispatch QR CODE for
the tanker driver



MAINTENANCE


MAINTENANCE | DASHBOARD

 8



 Mateusz

LIST OF SERVICE ENGINEER


01	Ramsingh	Click for Location
02	Mohan Raj	Click for Location
03	Nikhil Chaudhary	Click for Location
04	Ravi Khokhar	Click for Location
05	Pheru Singh	Click for Location

MCPs

14 views SHARE

All India

- 1 Hyderabad
- 2 Hardol
- 3 Udalpur
- 4 Ranchi
- 5 Allahabad
- 6 Gaya
- 7 Ajmer
- 8 Jalandhar
- 9 Kochi
- 10 Rewari
- 11 Asansol
- 12 Palakkad
- 13 Malappura
- 14 Bhand
- 15 Harda



MCP BREAKDOWNS

01	Rewari (10)	● 1 hr back
02	Lovish dairy sirsa (86)	● 2 hr back
03	Pillaur HTM (99)	● 5 hr back
04	Lovish dairy Mngar (65)	● 12 hr back
05	Kurkshetra Jeru (87)	● 9 hr back

MCP RECOVERED Today ▾

Gharaunda (27)


Pipli (31)

Karnal (81)


Report an Issue

Select issue type ▾


Describe your issue briefly



Attach Photos



Click Photos



✔ Submit Problem

mAMCU ADMIN PANEL


- ✓ Tally Sheet Management / Ledger Management
- ✓ Shift Management
- ✓ Auto Mode Lock/Un-Lock (Auto/Manual Collection Mode)
- ✓ Shift-wise Periodic Report Generation
- ✓ Realtime Collection Data Update to RMPS Server
- ✓ Agency Collection – With / Without integration with Scale & Analyzer
- ✓ RCD Process and Data Update to Server
- ✓ Agency Periodic Report Generation
- ✓ Collection Management and reporting for all type of collectors (Agency, Large Farmers & Chilling Center)
- ✓ Edit/Delete Milk collection Entry Reports for Automatic/Manual collection.

MCP Simple Settings | Auto Milk Type Settings | MCP Farmer Title Setting

* Collection Mode: AUTOMATIC MANUAL

Manual Scale:

Manual Analyser:



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HINDUSTAN
THERMOSTATICS

Mobile AMCU Cloud | Dashboard | Settings | ... | badhera@organicvalley.com

Purchase Summary | Total

Summary Date	12/05/20 to 12/05/20
Milk	BUFFALO, COW
Total Farmers Morning	4651
Total Farmers Evening	0
Total Farmers	4651
Total Purchase Qty Morning	27.22K Lt
Total Purchase Qty Evening	0Lt
Total Purchase Qty	27.22K Lt
Total Average FAT	5.17%
Total Average SNF	8.38%
Total Amount in Morning	₹9.58L

Mobile AMCU Cloud | Dashboard | Settings | Manager/MCP Group | MCP | Incentive/Bonus Settings | Farmers | ... | badhera@organicvalley.com

Purchase Summary

Milk Purchase Summary (MCP wise) : 235

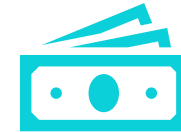
2020-05-12 | Select Time | Select MCP Group | Select MCP | Select Milk Type

S. No.	MCP Group Name	MCP Name (MCP Id)	Date	Time	Milk Type	Total Qty.	Avg SNF	Avg FAT	Avg Rate	Total Amount
1	Kangra	Gujrehra (107)	05/12/20	AM	BUFFALO	30.9 Lt	8.84%	9.58%	₹ 47.75	₹ 2.21K
2	Hamirpur	Dhawal (111)	05/12/20	AM	BUFFALO	3.8 Lt	9.1%	9.1%	₹ 46.62	₹ 425.19
3	Bharwain, Una	Baret (112)	05/12/20	AM	BUFFALO	10.6 Lt	8.5%	9%	₹ 45.21	₹ 480.18
4	Amb, Una	Ram Nagar (112)	05/12/20	AM	BUFFALO	8.6 Lt	8.85%	9.25%	₹ 46.67	₹ 409.52
5	Una	Saloh Nichla (113)	05/12/20	AM	BUFFALO	12.6 Lt	8.4%	8.45%	₹ 43.2	₹ 796.91
6	Una	Fatehpur (108)	05/12/20	AM	BUFFALO	10 Lt	8.65%	9.9%	₹ 48.47	₹ 945.81
7	Haroli, Una	Manuwal (107)	05/12/20	AM	BUFFALO	23.7 Lt	8.82%	9.47%	₹ 47.37	₹ 1.15K
8	Haroli, Una	Karampur (108)	05/12/20	AM	BUFFALO	25 Lt	9%	7.38%	₹ 40.71	₹ 1.88K
9	Bangana, Una	Sirath (115)	05/12/20	AM	BUFFALO	14.6 Lt	8.6%	7.1%	₹ 39.07	₹ 998.92
10	Haroli, Una	Panjuana (109)	05/12/20	AM	BUFFALO	14.3 Lt	8.87%	9.27%	₹ 46.75	₹ 673.7

CLOUD SECURITY COMPLIANCE



ISO 27001:2013
certification



Regular VAPT Valuation



All data on TLS/SSL
secured channels



PCI Compliance



Cloudflare Powered 2
Factor Authentication



Enterprise Level DDoS
protection.



Amazon Cognito based authentication to provide PCI DSS, SOC, and ISO/IEC 27001, ISO/IEC 27017, ISO/IEC 27018, and ISO 9001 compliant.

POWERFUL BACKEND



Amazon RDS Enterprise servers for hosting and data storage to provide database encryption and security



AWS Cognito based ISO/IEC 27001 level 2 factor Authentication



Amazon EC2 server with VPC (Virtual Private Cloud) Network



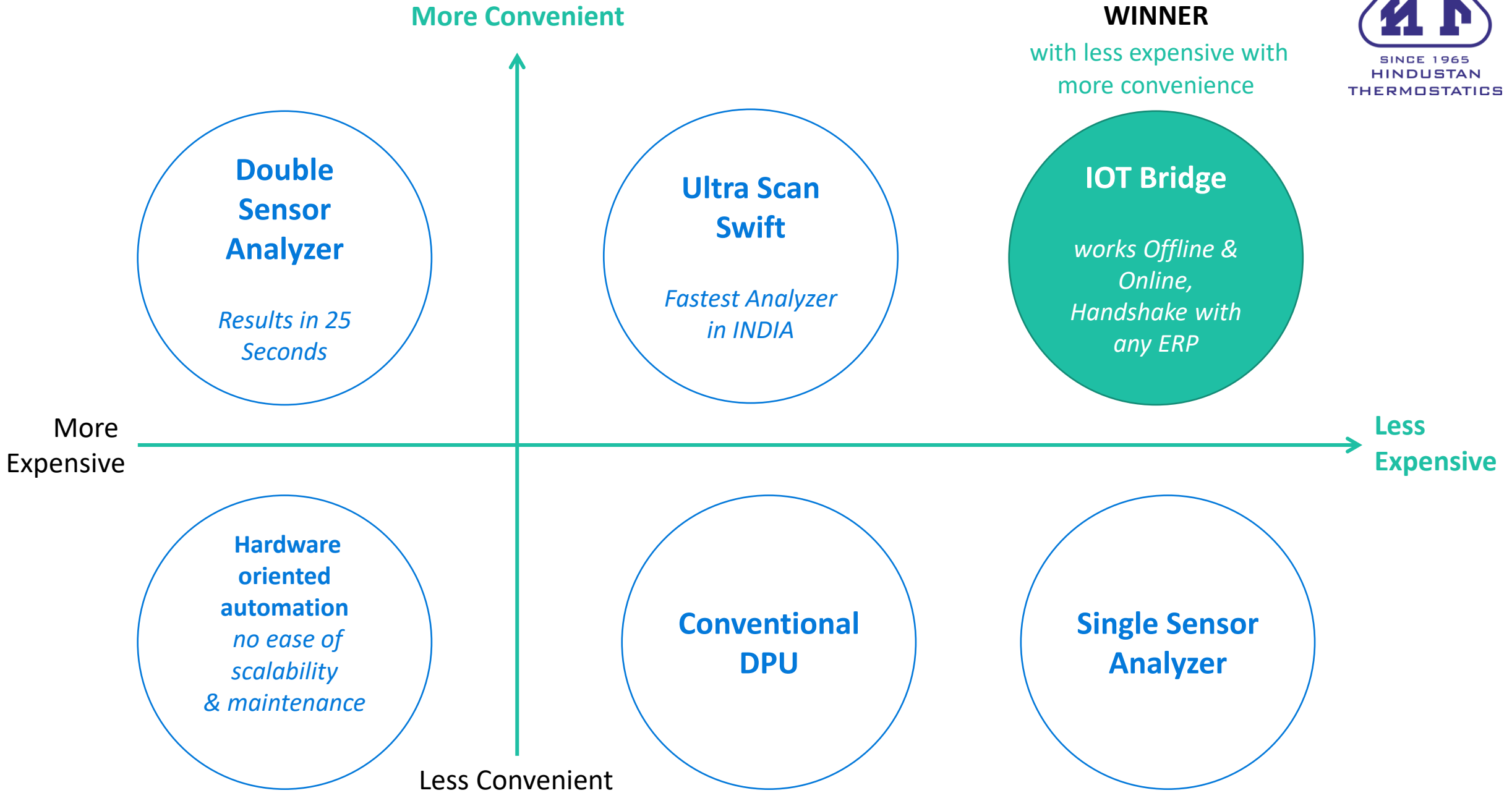
Built on Node.js, Gold standard for Enterprise Level Web Application



Optimized for high-latency or unreliable networks (2G / 3G)



Battel Tested Architecture used by the likes of Netflix, Facebook and LinkedIn



ULTRA SCAN KURIEN

Stainless Steel
304

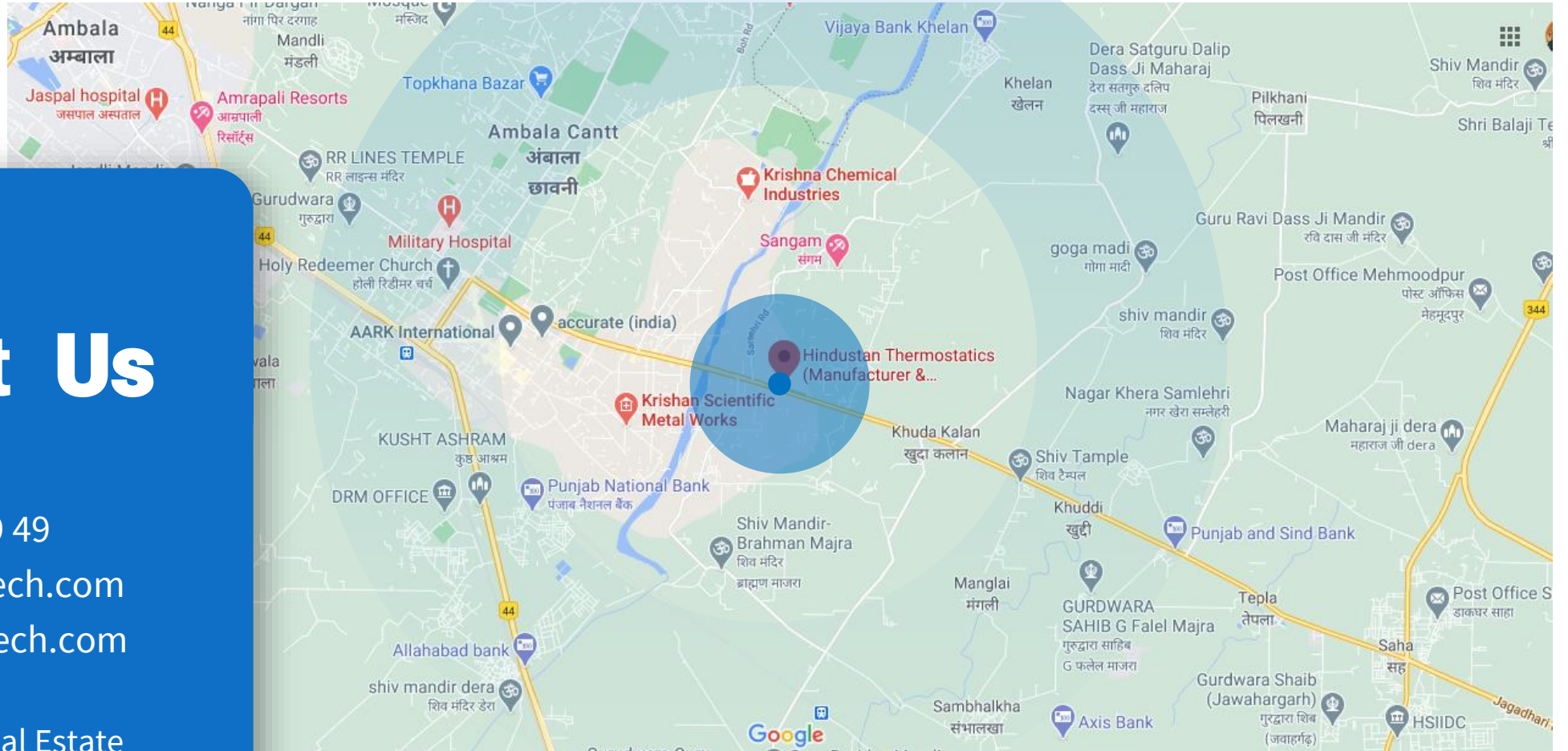
Ph
&
Conductivity



Measuring Range			Accuracy *	Tech. overview	
01.	FAT	00 % - 25 %	± 0.1 %	Sample Volume	20 ml
02.	SNF	03 % - 40 %	± 0.15 %	Sample Temp.	05°C - 40°C
03.	DENSITY	1000 - 1160 kg/m ³	± 0.3 kg/m ³	Humidity	00 % - 80 % RH
04.	CLR (corrected lactometer reading)	00 - 100	± 0.3	Interface	RS 232
05.	PROTIEN	02 % - 15 %	± 0.15 %	Interface	USB
06.	LACTOSE	0.01 % - 20 %	± 0.2 %	Power supply (AC)	95v - 250 v (SMPS)
07.	ADDED WATER	05 % - 99 %	± 03 %	Power Supply (DC)	12 v
08.	FREEZING POINT	0.04°C - 0.70°C	± 0.005°C	Solar Powered	YES (optional)
09.	ADDED SALTS	00 % - 99 %	± 03 %	Dimension	145x210x220 mm
10.	SAMPLE TEMPERATURE	05°C - 40°C	± 01°C	Enclosure	SS 304
11.	pH	00 - 14	± 0.1	Weight	3.5 kg
12.	CONDUCTIVITY	02 - 14 mS/cm	± 0.1	pH probe	external



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