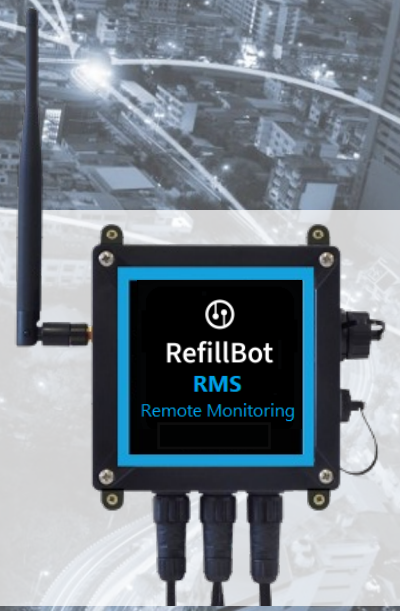
RefillBot

IoT Platform for Smart Applications



RefillBot

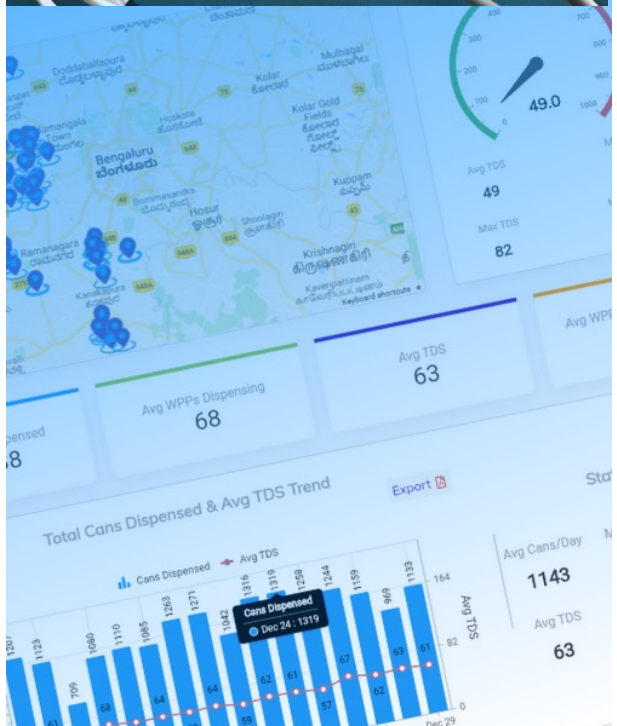
Introduction

Prabhu Stavarmath
Co-founder and Chief Business Officer – **RefillBot**

- Serial entrepreneur
- Electronics and communication engineer
- 15+ years of engineering leadership in building large scale enterprise products at HP, Siemens, Dell-EMC^2
- Solving large scale problems, idea to revenue generation

@stavarmath

https://www.linkedin.com/in/stavarmath/



RefillBot

Customer Case Study

Govt of Karnataka

Remote Monitoring of RO Water Purification Infrastructure

Deployed in 100 Villages across Two Districts:

District	Taluk	Villages/Installations
Tumkur	Kunigal	6
	Gubbi	22
	Sira	1
	Tumkur	14
Ramanagar	Channapatna	11
	Magadi	28
	Kanakpura	18

RefillBot

Requirement: Remote Monitoring of Water Purification Infrastructure

Total Water Purification Units: 18,000+

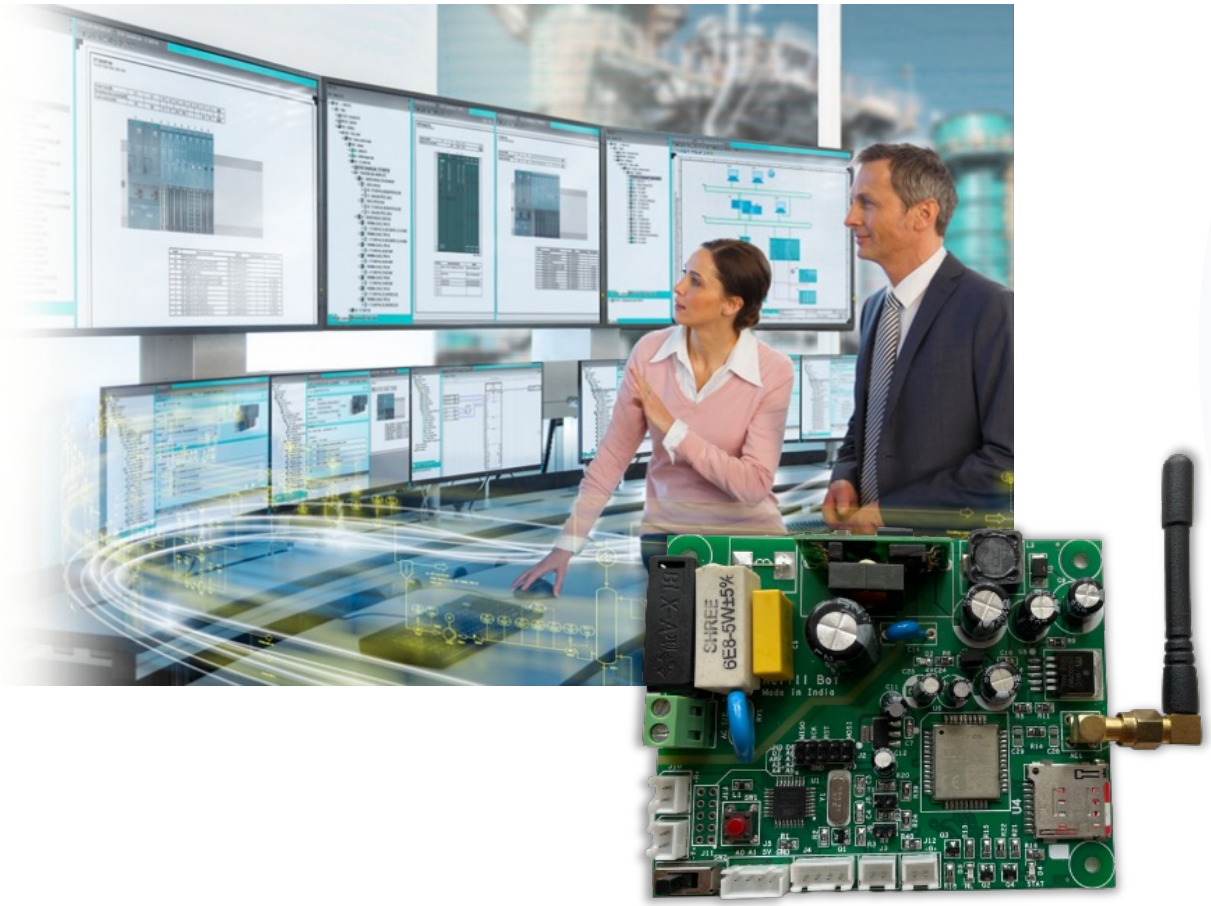
Pilot Phase: 100 Villages

- Unified Dashboard – Operations & availability
- Water Consumption & Quality (TDS, Ph)
- Operational Intelligence
- Automated auditing of O&M (Operation & Maintenance)
- Predictive Maintenance
- Minimal downtimes

RefillBot

Solution: RefillBot RMS – IoT Hardware & Cloud Software

Remote water consumption and quality monitoring remote and urban habitats



Wide range of applications:

- Water quality – 10+ Sensors
- Plug-n-play, 30 min installation

Global Coverage:

- M2M support with 200+ countries coverage
- Works with and without internet

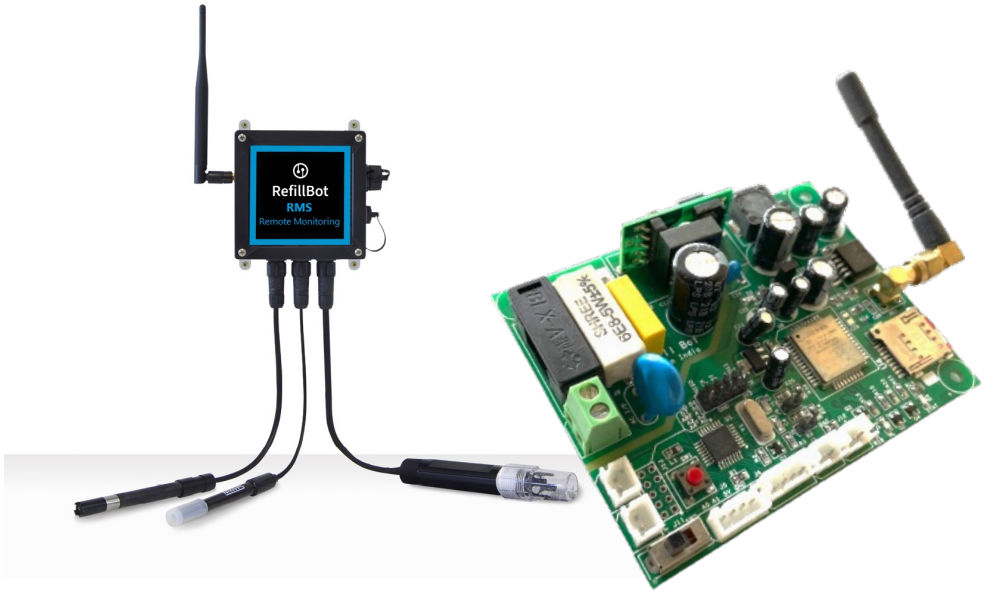
Access Anywhere

- Cloud based – Web and mobile
- Events, Alerts and Notifications
- Business Intelligence and Key Insights

RefillBot

Product: Remote Monitoring System (IoT Hardware)

Enables remote management of utilities, machines, sensor data, operational conditions and more.



OEM Kit

Size 7x7 Cms

Compatible for wide range of OEM applications:

- Water Purifiers, AC, Washing machines
- Building management system
- Battery Management System (EV Charging)

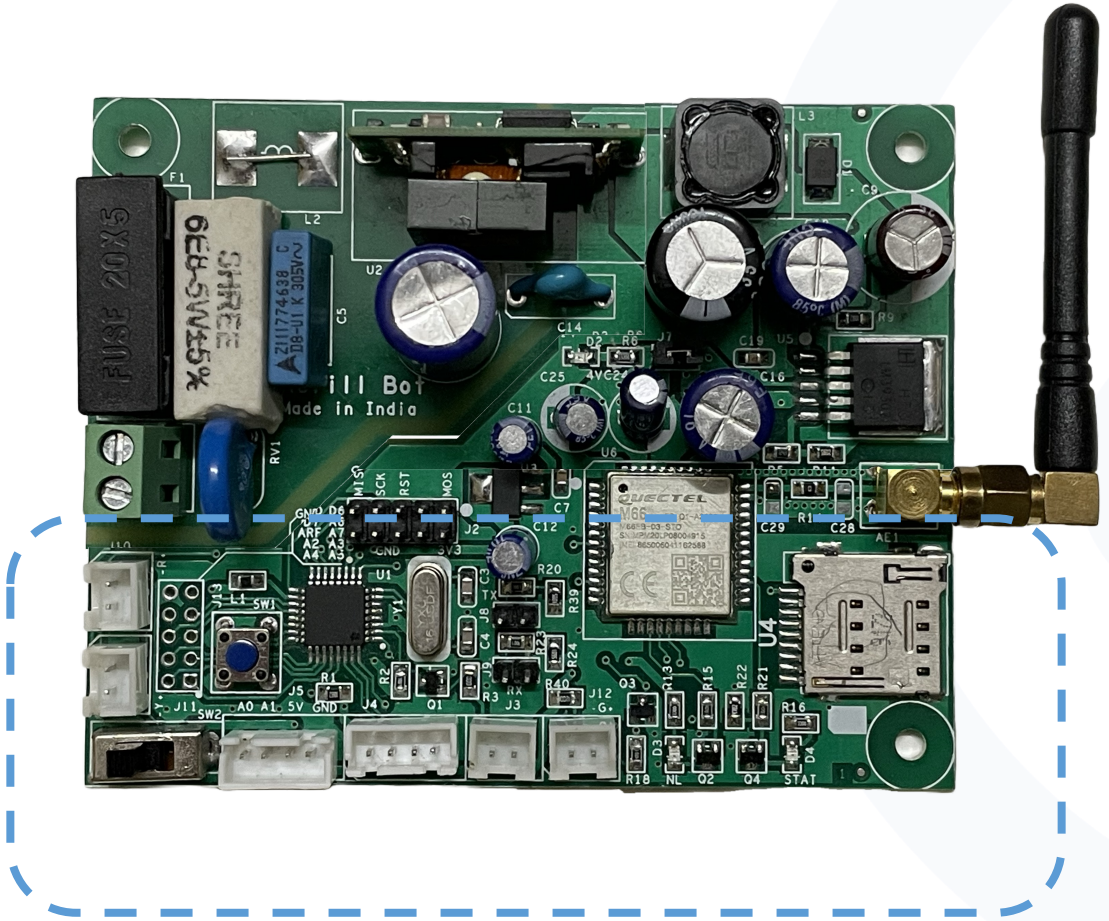
Key Features:

- M2M – 2G through 4G/LTE supported
- 10 I/O Ports on a single device
- Works with and without internet
- Plug-n-play with cloud APIs
- Built in power adapter with serge protection
- IP65 Enclosure

RefillBot

Custom Design – Size Matters!

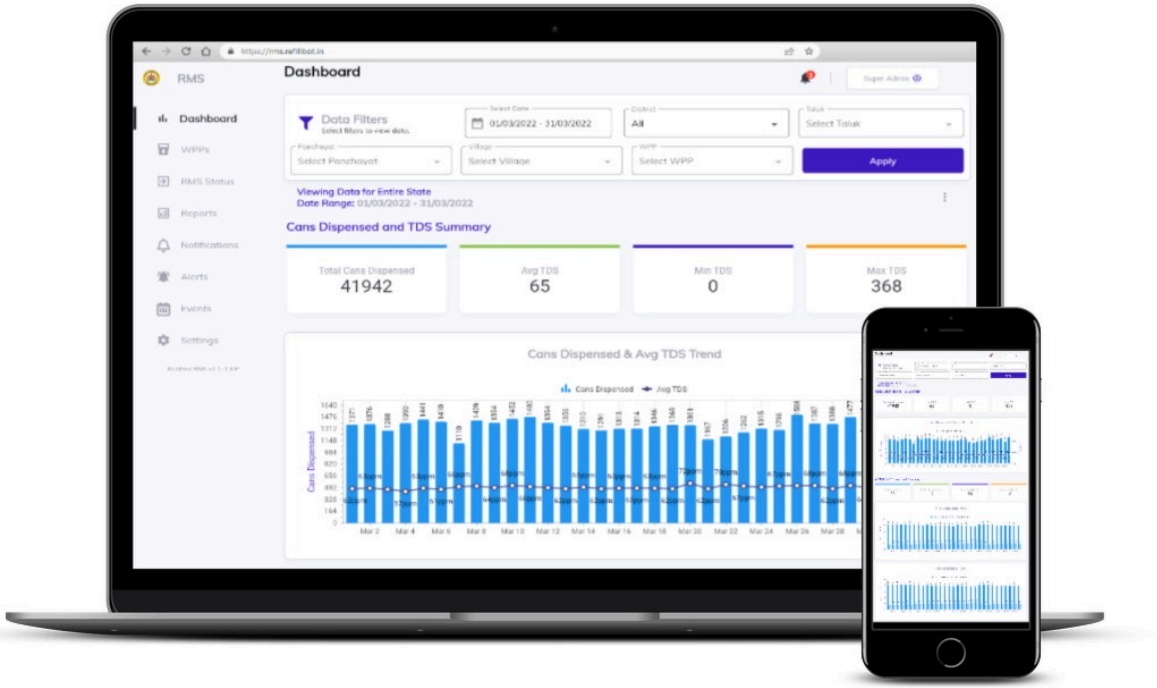
Designed to suit wide range of application from domestic to industrial applications



RefillBot

Product: Unified Water Infrastructure Dashboard

Cloud based admin dashboard for monitoring, reporting and analytics.



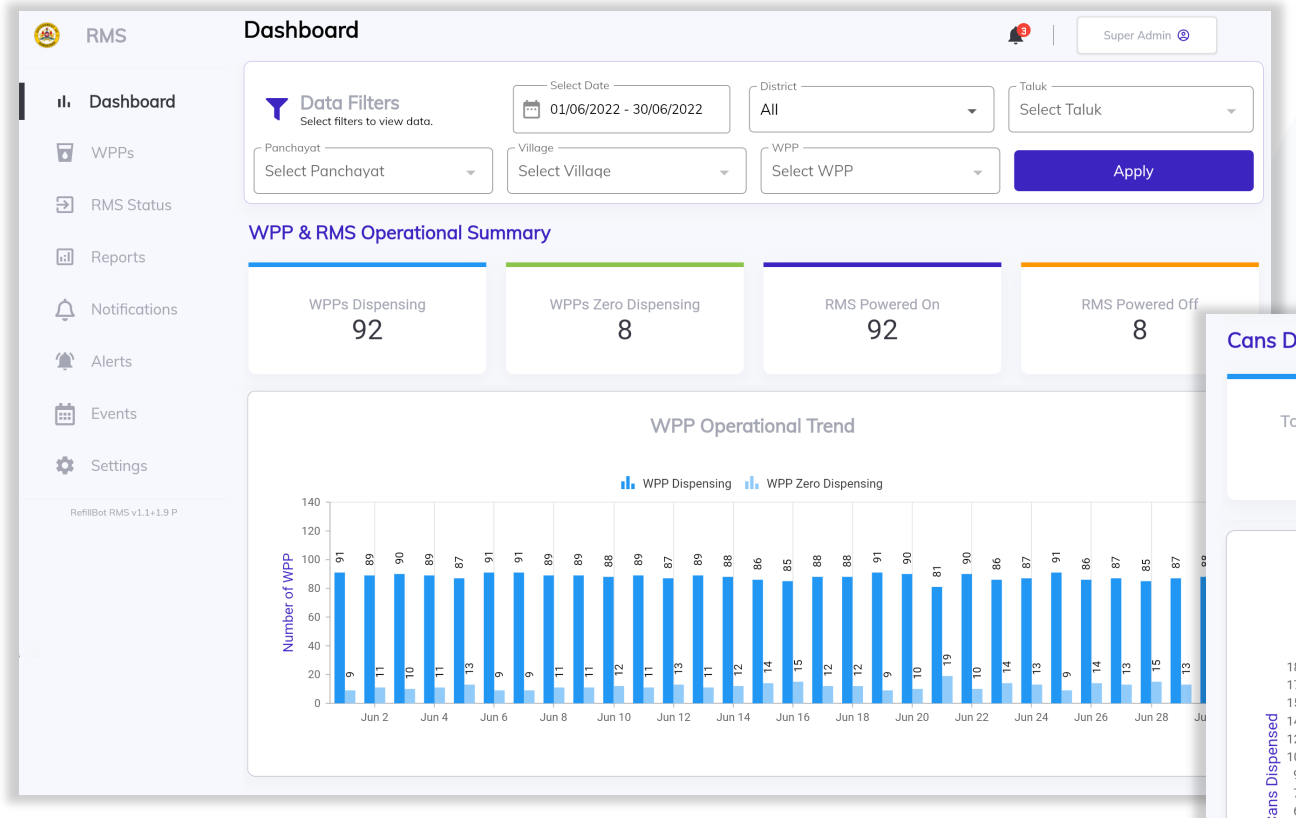
Key Features

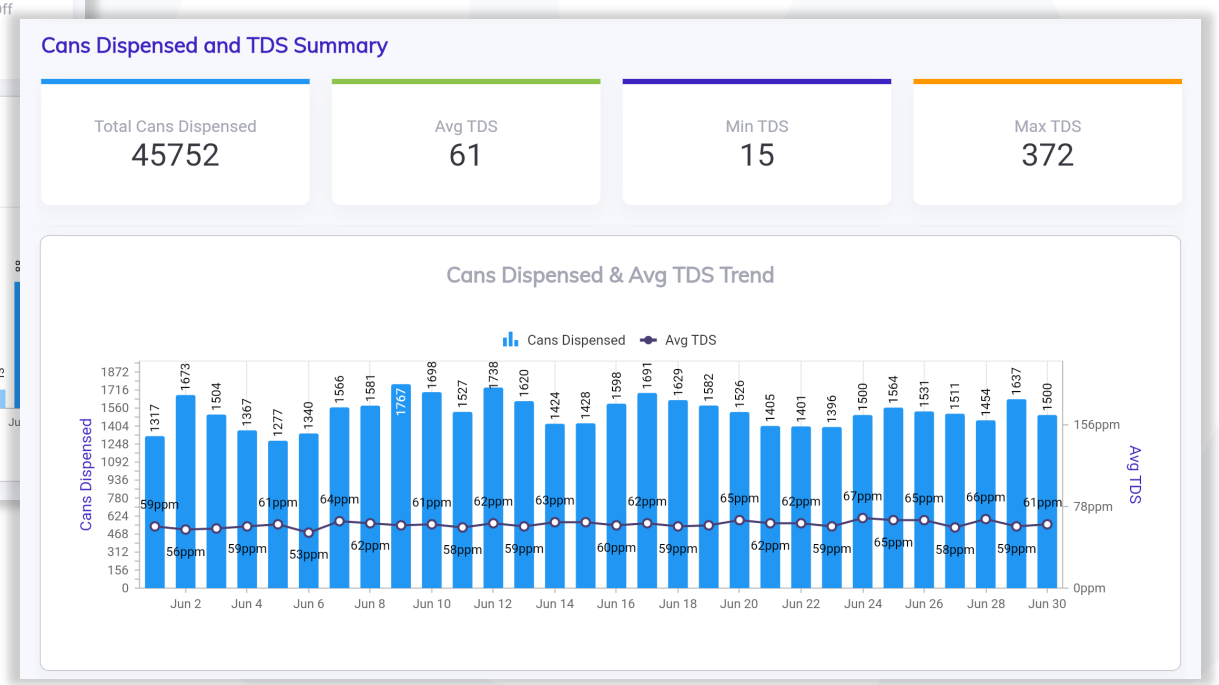
- Cloud based – Web and mobile
- Events, Alerts and Notifications
- Asset monitoring and real time data sync
- Customizable Reports
- Advanced Analytics and Business Intelligence
- Secured – Role based data accessibility
- Geo location tracking and tagging
- Scalable to 100,000 concurrent devices sync

RefillBot

Unified Water Infrastructure Dashboard

Operational Status, Consumption and Average Water quality (TDS)

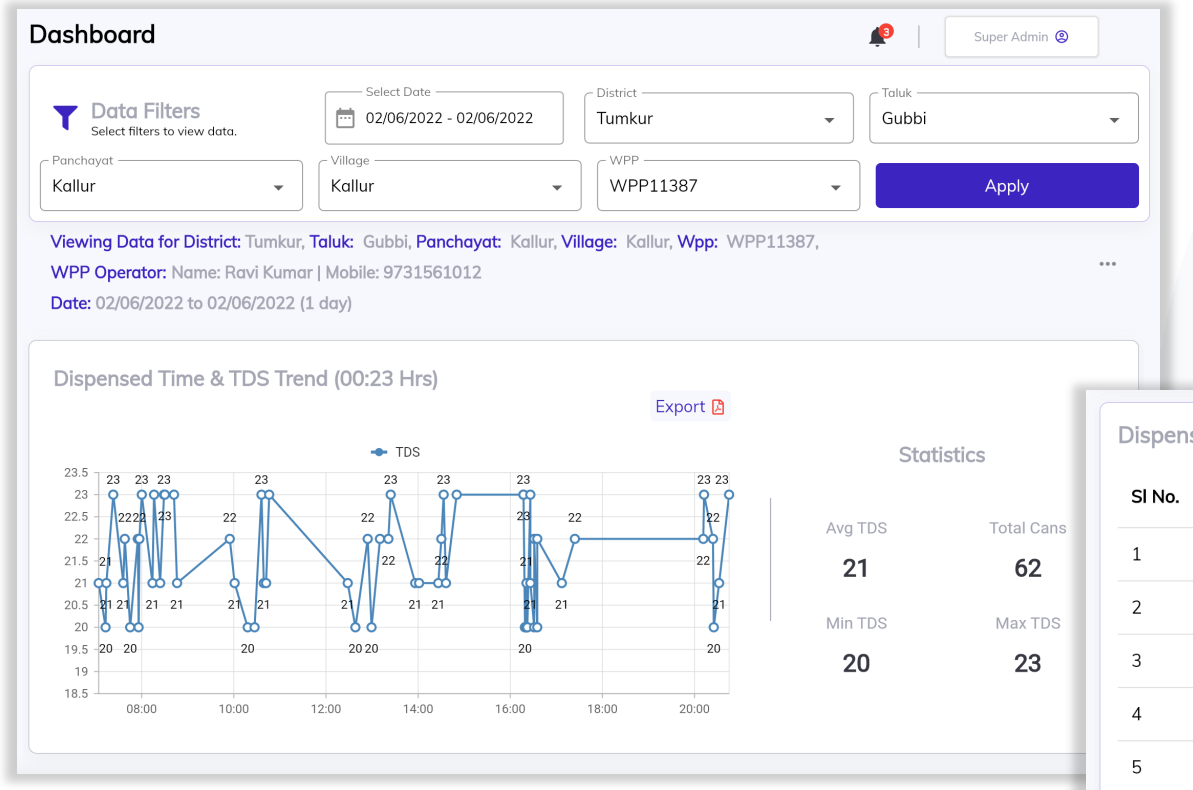




RefillBot

Unified Water Infrastructure Dashboard

Single village – Consumption with TDS for each dispensing on a selected day



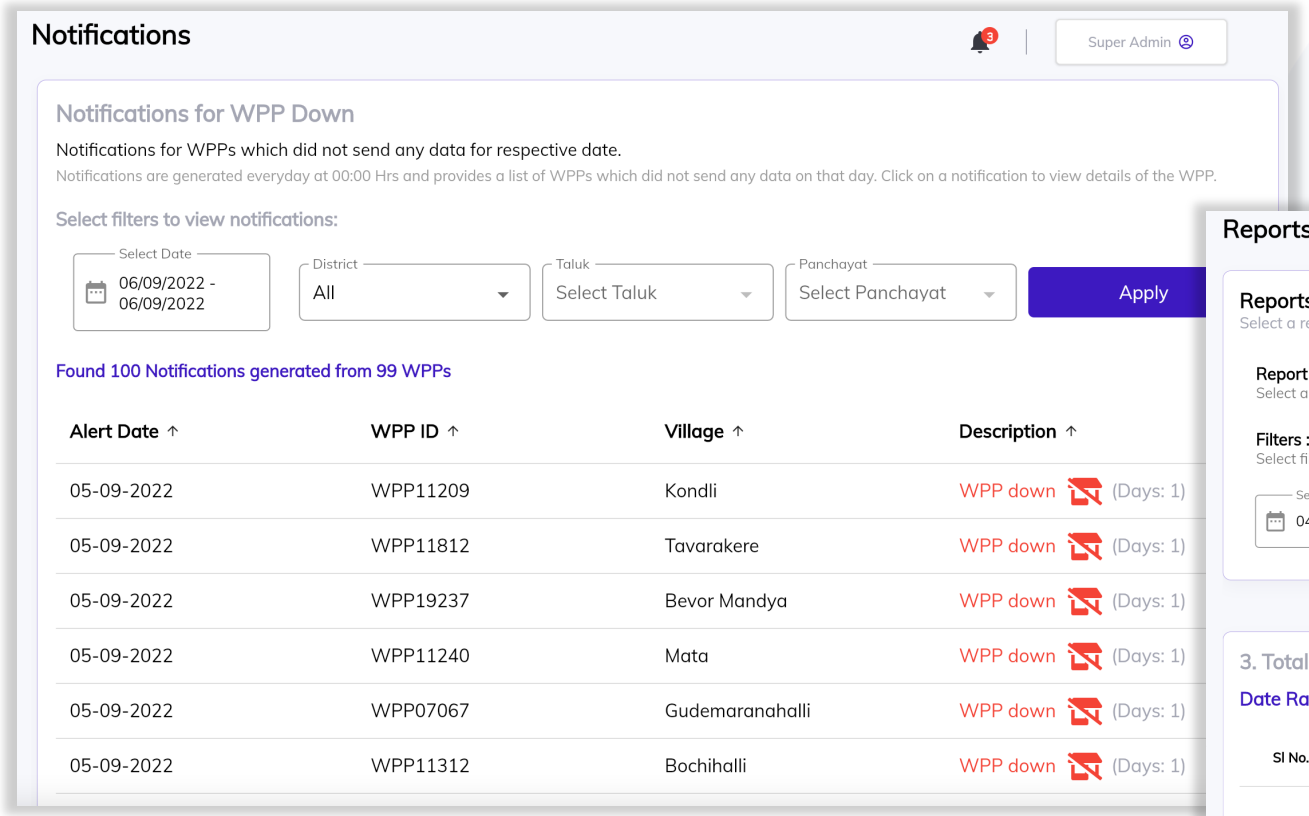
Dispensed Time & TDS Table (00:23 Hrs)

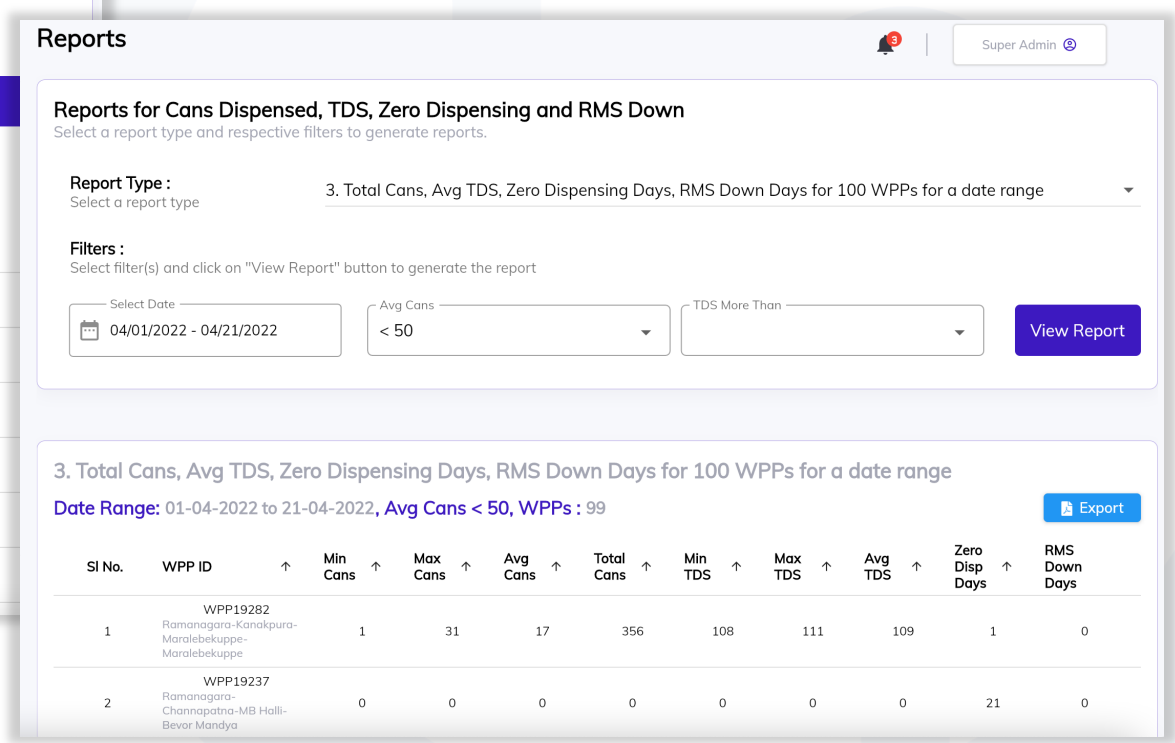
Sl No.	Dispensed Date	Dispenced Time	Number of Cans	TDS (ppm)
1	02-06-2022	07:04	1	21
2	02-06-2022	07:13	1	20
3	02-06-2022	07:14	1	21
4	02-06-2022	07:23	1	23
5	02-06-2022	07:36	1	21
6	02-06-2022	07:38	1	22
7	02-06-2022	07:45	1	20

RefillBot

Unified Water Infrastructure Dashboard

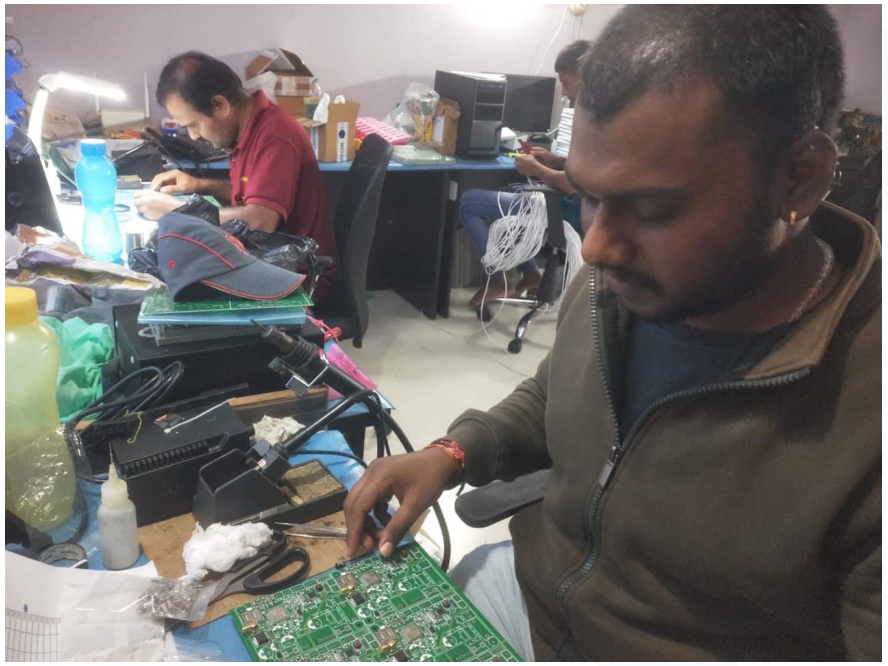
Alerts, Notifications and Report generation

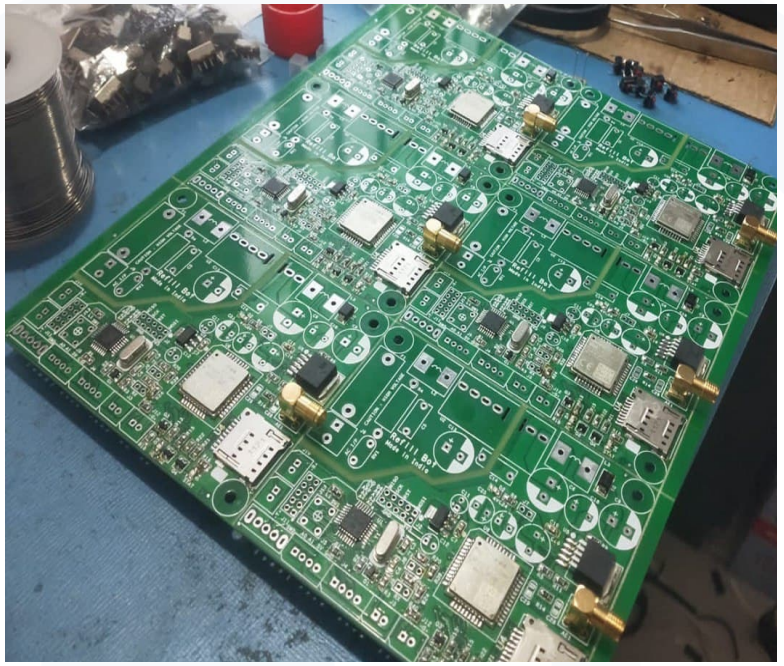


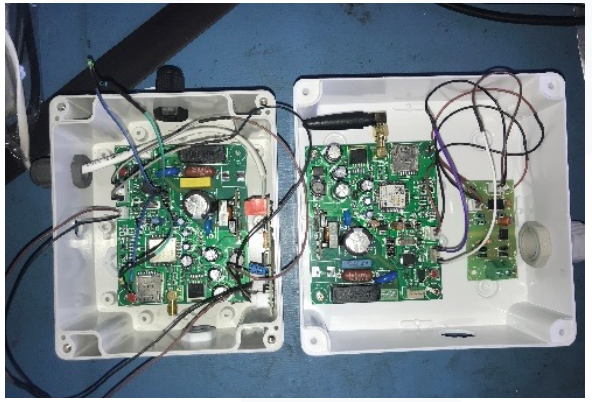


RefillBot

A made in India product!







Our Innovation Story Published on Electronics For You Magazine (EFY)

RefillBot

Our Innovation Story Covered Across Global News

yahoo!finance

https://sg.finance.yahoo.com/news/arrow-electronics-enables-innovative-startup-043000529.html

WaterWorld

https://www.waterworld.com/drinking-water/potable-water-quality/press-release/14270781/indian-startup-provides-remote-water-quality-monitoring-for-villages

台灣英文新聞

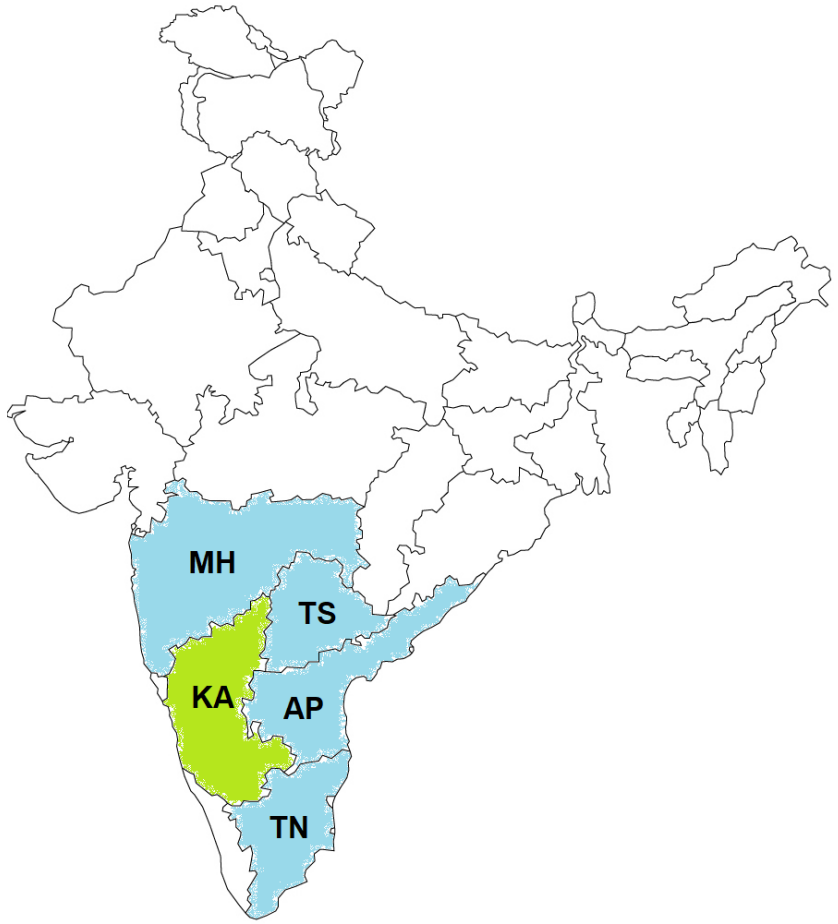
Taiwan News

VOICE OF THE PEOPLE · BRIDGE TO THE WORLD

https://www.taiwannews.com.tw/en/news/4499236

RefillBot

Customer Base



India

- Karnataka (Live – 100 villages)
- Telangana (POC)
- Andhra Pradesh (POC)

USA

- New York (Pilot)

Europe

- Greece (Pilot)

Thank you

RefillBot

Contact us:

Prabhu S

Chief Business Officer

prabhu@refillbot.in

+91-9880721666