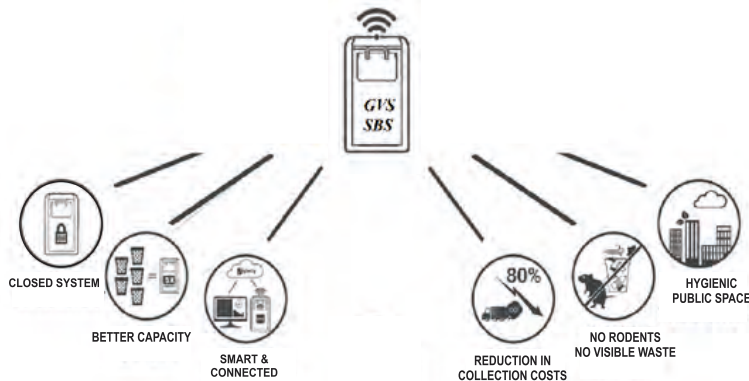




Greenvac Smart Bin System (SBS)

Smart Cities



SMART, Hygienic, Connected ; Greenvac Smart Bin System (SBS) is not only an indispensable part of India's Swatch Bharath Mission but also plays a key role in global evolution towards Smart City strategy. From the innovated complexes and technology equipped hospitals to the empowered street labors and encouraged citizens, Greenvac Smart Bin system (SBS) can be used in any city, town, park, complex, railway stations, airport, etc.

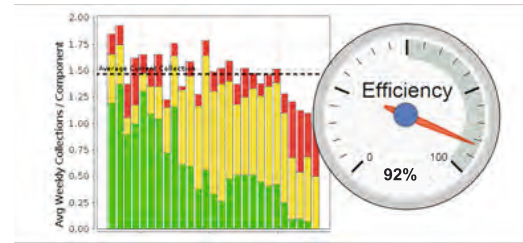
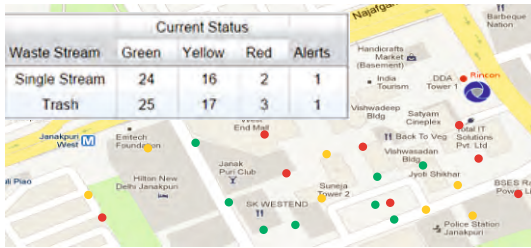
Collection of waste is a resource-intensive task and without proper systems, resources are unnecessarily wasted. Whether you're a private collector of commercial and street waste, or a local authority or municipality, you are challenged to ensure that your bins and containers are collected at the right time. Not too early so that resources are wasted but also not too late when unsightly overfilling can occur. Conventionally, most collection operations depends on experience or hit & trail method to ensure that the waste is collected from each location effectively.

Greenvac Smart Bin System (SBS)'s ability to compact waste, check waste location wise, provide on-time activity statistics, generate past records etc. makes GVS SBS truly SMART system for waste management.

Greenvac application interface can be logged in for a single-destination control board showing data on collection, SBS fullness, volume and more. The Greenvac SBS connects and improves the core services to modernize waste collection and provide access to data that can drive efficient waste management.

Each SBS communicates via Text Message/ WiFi to GVS SBS application interface. When logging to this application from your web browser or mobile devices, various listed stations status, their past reports, on-times movement/activity statistics, signals & more can be accessed from this GVS SBS application interface.

Integration and advantages of Greenvac SBS allows the cities to enter the next generation of SMART city waste management system, which ultimately adheres to SWATCH BHARATH MISSION or any SMART/CLEAN initiative.

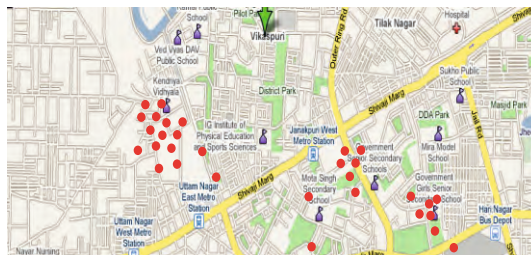


On-Time Statistics

Real time status location-wise can be seen so as to get proper data of which bin to be collected and as importantly which ones don't.

Past Record

Progress can be recorded regarding reduction in collection frequency and relocation of resources to other tasks.



Waste Stream	Fullness Level			Estimated Waste (last 6 months)
	Green	Yellow	Red	Tons
Paper	6	1	0	0.17
Bottles/Cans	150	2	0	6.01
Trash	157	4	2	22.60
All Waste Streams	313	7	2	28.78

Graphical Representation

Location-wise data can be observed which helps in capacity planning activities, route optimization, resource management and more.

Diversification Rate Reporting

Volume of each station can be calculated, providing powerful data to report to analysts and authorities.

Features

Smart

Monitor and Check Bin fullness location – wise.

Connected

Through Greenvac SBS application interface, communication can be easily done to deliver station specific and waste collection data.

Solar Powered

SmartBin system requires no electricity as it derives energy through Solar panels.

Station Categories

Various sizes available.

Collection Needs

Automatic compaction when full allows 5x capacity of standard bins.

Eco-Friendly

Waste in Public places can be timely collected which will increase the hygiene and save resources.

Innovative Designing

The Loading hopper are design to keep waste contained while deterring pest access and preventing waste overflow and wind-blown litter.

Benefits

- Compacts waste up to 80%
- Hygiene is maintained
- Reduces cost
- Reduces Litter
- Provide Real time monitoring system
- Provide statistics for Operational Decisions
- Reduce traffic and conserves Fuel

- Increase capacity 5 Times
- Reduces Carbon Footprint
- Eliminates Waste Overflow
- Resources can be utilized properly
- Keeps Out the Pests
- Enhances & Modernizes Smart Services
- SMART Waste management system

FAQ's

Where can they be placed?

Greenvac SBS can be placed anywhere e.g Streets, parks, metro/railway station, Airports etc.. Stations should always be placed into a concrete pad of other permanent surface to prevent damage or theft.

Why is there a solar panel?

The solar panel is used to charge an internal battery, which in turn powers all of the features, including compaction and wireless communications.

Do they work when it's not sunny?

Because we are continuously charging the internal battery during daylight hours, our stations are able to continue functioning for more than 48 hours without direct sunlight.

Can you use them indoors?

We offer an indoor model, or you can purchase an additional a/c adapter accessory.

How do they know when to compact?

There are sensors inside each component that detects the fullness level and will trigger a compaction cycle when necessary.

Who will maintain the system?

We offer Extended Service Pack coverage which covers annual preventative maintenance and any defect-related repairs.

How do they communicate?

Just like your mobile phone, our stations use cellular data to communicate important information to our servers, which can then be viewed via the Greenvac SBS application interface on the web or on your mobile device or they can communicate via WIFI.

Can these be stolen?

Theoretically, it is not possible since the Greenvac SBS is bolted in the ground with locking mechanism and it is very heavy.



Narula's Tower-II, Top Floor, Building No. 3, Central Market, Punjabi Bagh West, New Delhi-110 026 (INDIA)

Phone : +91-93195 98475

E-mail : info@greenvacolutions.com

Website : www.greenvacolutions.com



Distributed by:

Narula's are proud to be members of

