ZAQUIN®

Smart Deep Collection System

Powered by treom

ZAQUIN SMART DEEP COLLECTION SYSTEM

Zaquin Smart Deep Collection System was developed to solve waste storage and collection issues.The Zaquin Smart Deep Collection System comprises two separate products provided to our customer for a greener, more effecient and sustainable waste collection service.

Zaquin Smart Deep Collection System includes ‘Semi-Underground (Semi - U)’ Bin system combined with the ‘Smart IOT sensor’, utilizing Internet Of Things (IOT) technology provided and installed by us according to our customers’ bin installation preferences.

Zaquin Smart Deep Collection System is the perfect example of how innovation can help bussinesses in Malaysia. The use of Zaquin Smart Deep Collection System technology provides cost efficiency in storing and managing waste compared to conventional waste collection systems and the use of refuse chamber.

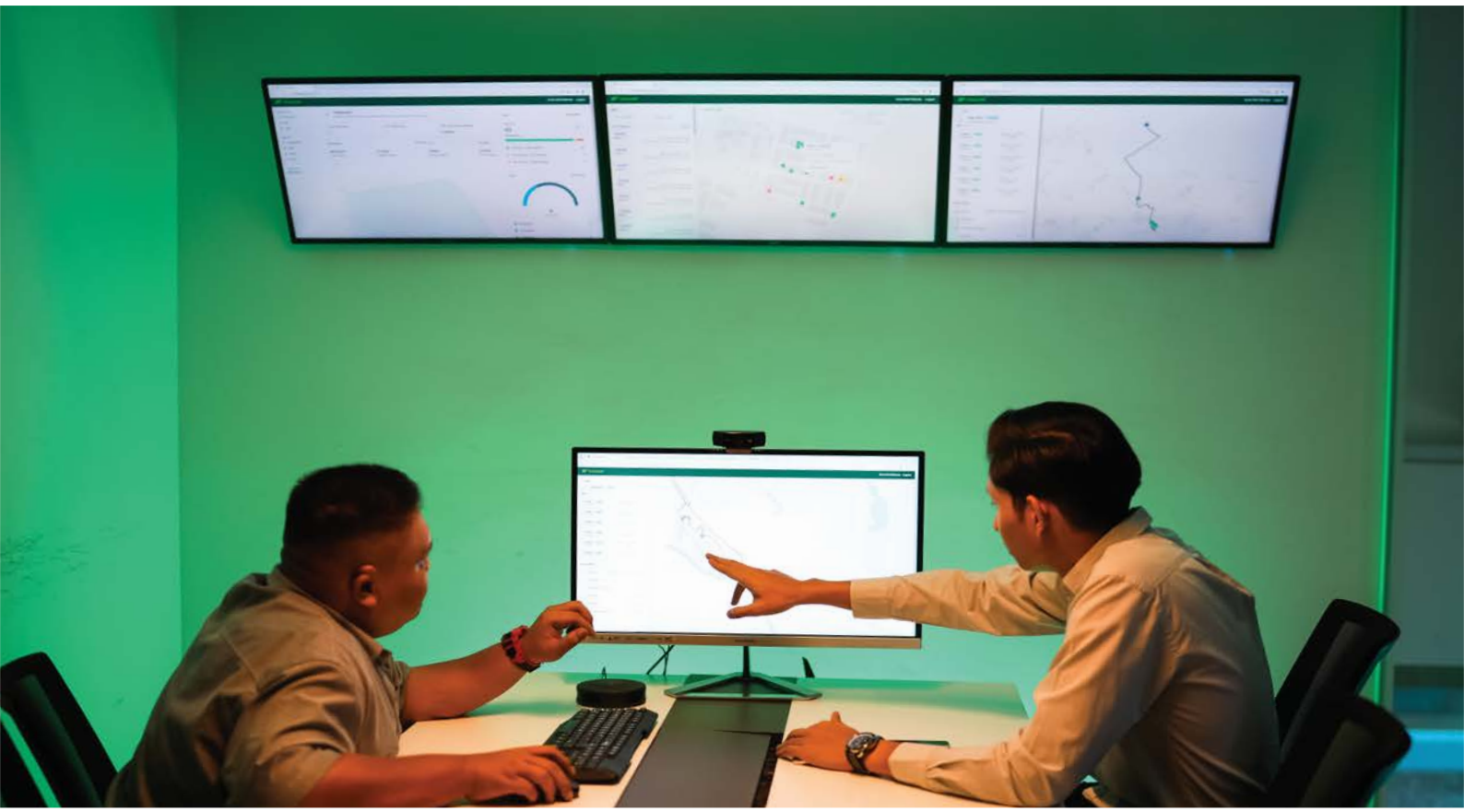
DEEP COLLECTION FLEET

SEMI-UNDERGROUND BIN

SMART IOT SENSOR

DATA DRIVEN DASHBOARD

REVOLUTIONIZING WASTE MANAGEMENT



THE BENEFITS

PAY AS YOU THROW

The less you throw, the less you pay! combined with Zaquin Smart Deep Collection System our customer was able to enjoy more efficient, sustainable and cost-saving waste management compared to conventional frequency based collection method.

CLEAN AND HYGIENIC

Waste is lifted out and tipped, ensuring cleanliness and hygiene of the container, bin lid and surroundings.

FLEXIBLE SITE PLACEMENT

The bin can be located beside shrubs, curbs, narrow alleyways and behind fences.
The Truck can reach bin using extended arm allowing flexible site placement.

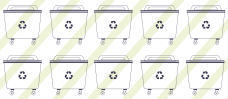
ACCURATE DATA COLLECTION

Accurate reading of the waste capacity and weight provides accurate data for studies, audits and data calls.

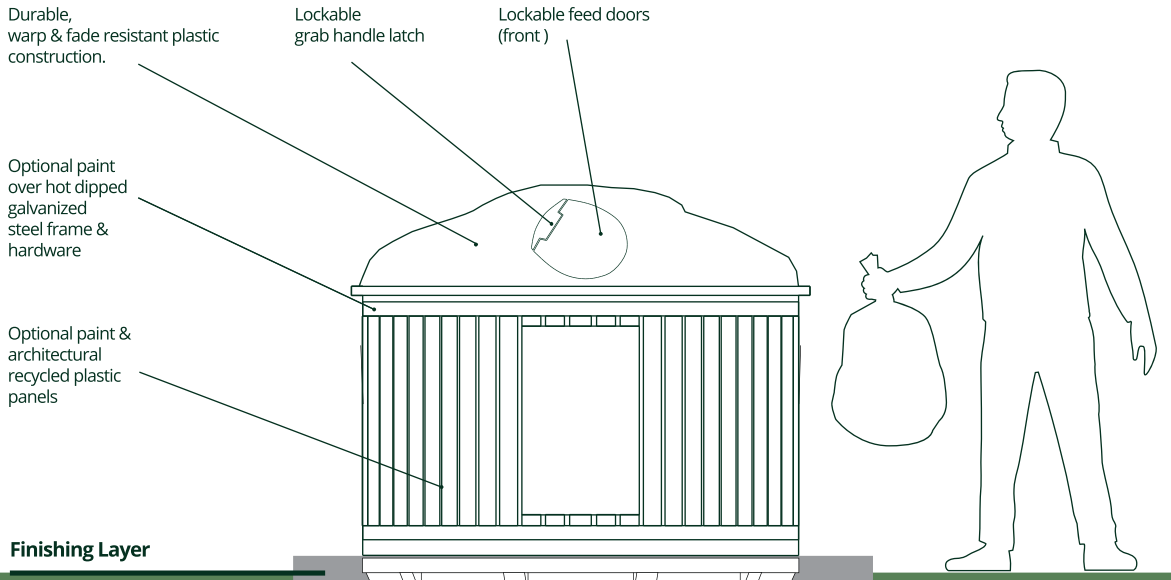
MORE CAPACITY, LESS SPACE UTILIZATION

Semi Undergound Bin provides more waste capacity while using 10x less space/m2 compared to conventional refuse chamber.

THE COMPARISON

	CONVENTIONAL REFUSE CHAMBER	ZAQUIN SMART DEEP COLLECTION SYSTEM
WASTE STORAGE	CONVENTIONAL REFUSE CHAMBER	SEMI UNDERGROUND BIN
WHEELIE BINS EQUIVALENT	8x (660L / 330Kg)	 10x (660L / 330Kg)
WASTE CAPACITY	2,640 Kg	3,300 Kg
SPACE UTILIZATION	8m x 5m = 40m^2	2m x 2m = 4m^2
HYGIENIC	OVERFLOWING WASTE & RISK OF SPREADING DISEASE	CLEAN AND TIDY
COST	COSTLY	COST SAVING
DATA COLLECTION	NO	YES

SEMI-UNDERGROUND BIN SPECIFICATIONS



Finishing Layer

100mm

Load

Lime gravel 0/16 mm.
Type - stones with a diameter greater than 100 mm must be removed from the ballast.

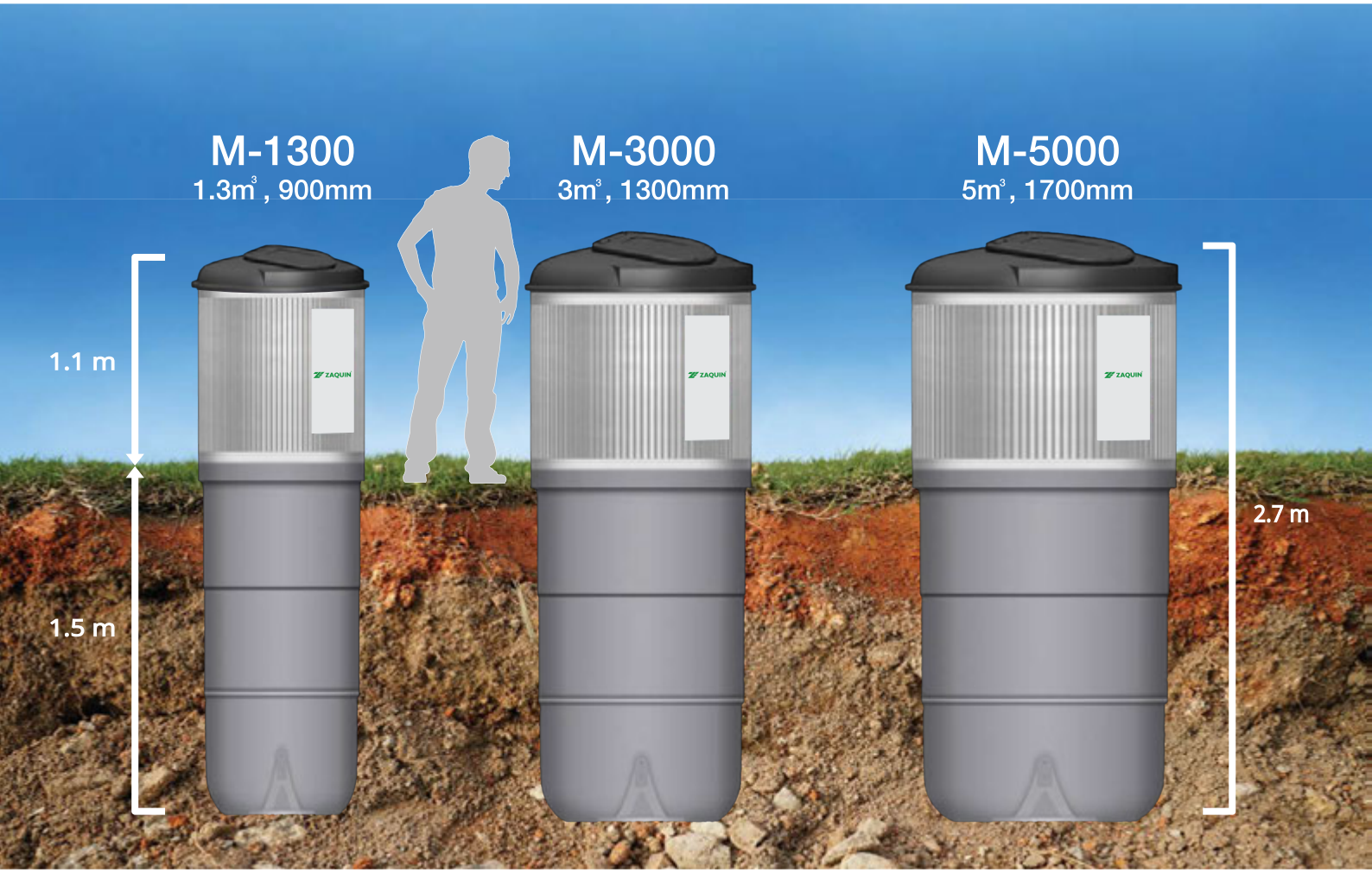
A filter fabric may be used.
Between ballast 16 - 32 mm gravel.

Gravel 16 - 32

min. 500 mm layer

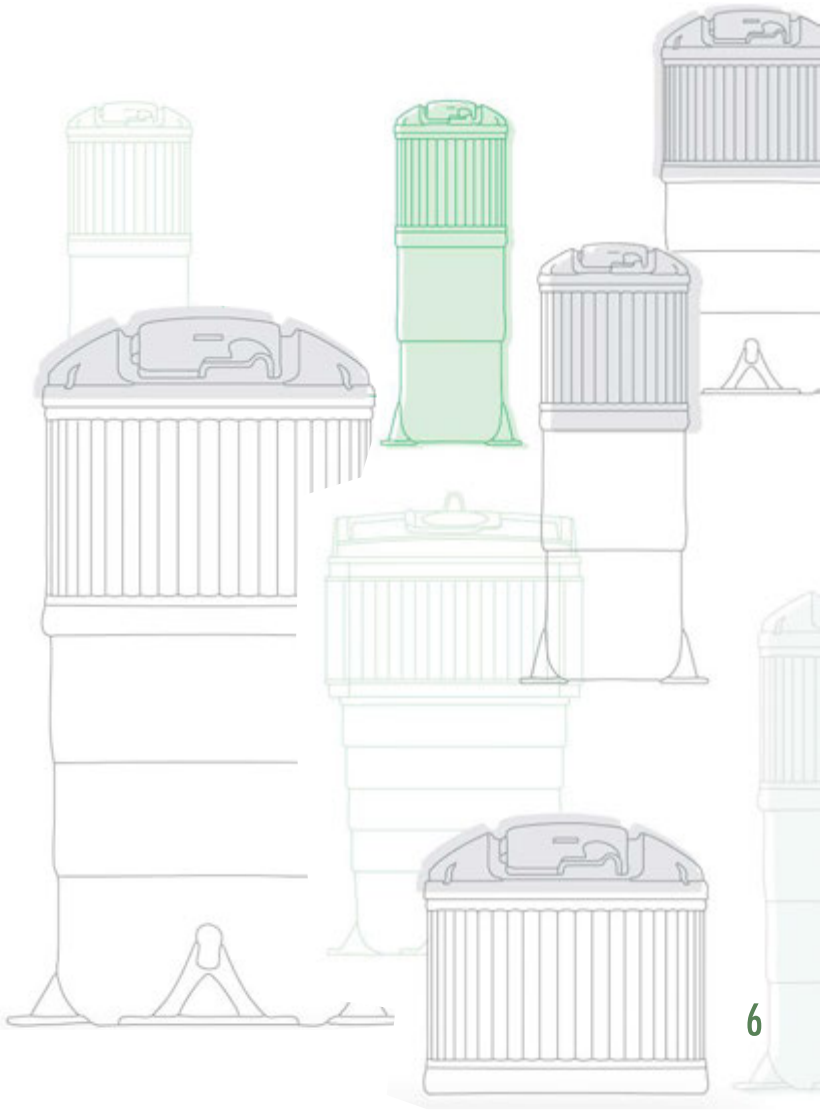
Lime Gravel 0/16

min. 50 mm layer



VARIETY OF SIZES AND OPTION TO SUIT YOUR NEEDS

All types of semi-underground bins are equipped with a standard lifting liner for dry waste or a hard lifting liner capable of storing wet waste and M-organic waste, equipped with a hard-sided lifting liner.



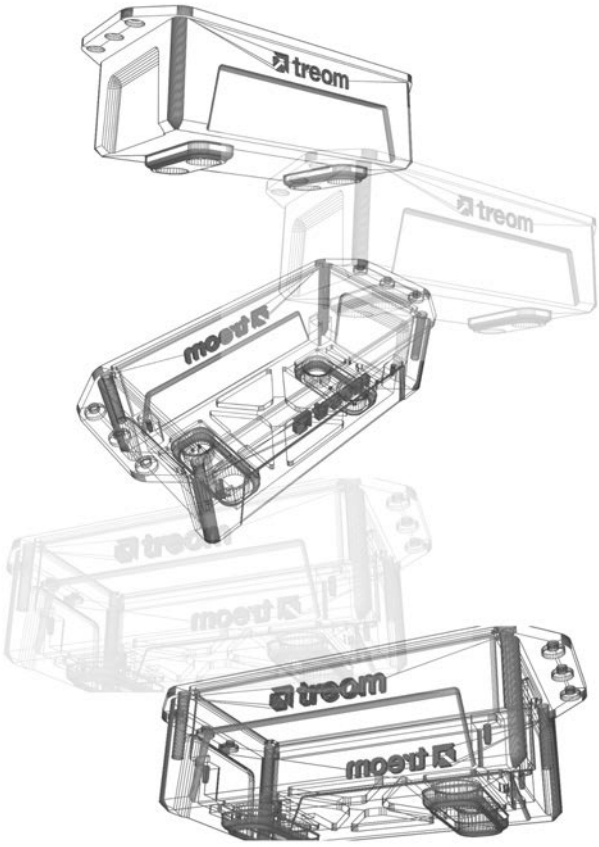
SMART SENSOR

Powered by treom

Powered by Treom Tech, our IOT technology partner. The smart sensors are meticulously crafted in-house by the talented local team of engineers, coders and designers from Treom.

Our smart sensor provides real-time bin capacity readings as well as collection data. The sensor data is then transmitted to Treom's advanced operating system software, offering comprehensive insights and analytics.

The smart sensor are also robust, water resistant and shock resistant.They can be connected to all currently available IOT networks and / or GSM.



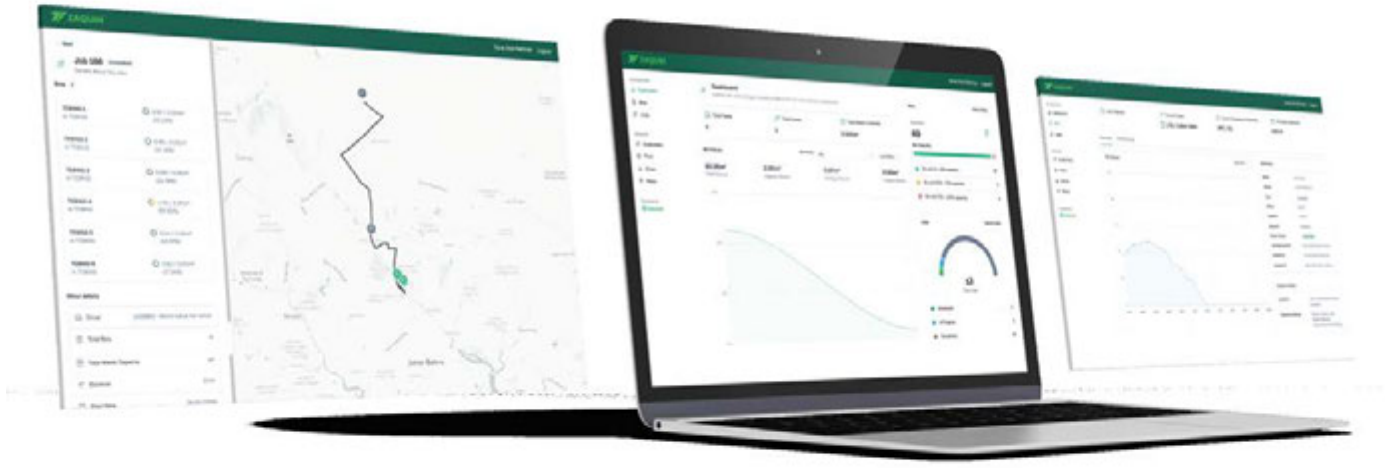
SMART WASTE MANAGEMENT SYSTEM

Powered by treom

Our smart waste management system designed by Treom Tech, utilizes advanced operating system software. Providing powerful cloud based platform, helping our customer to manage waste efficiently and easier.

Prioritizing user experience, our smart waste management system provides user ease in managing waste collection and generating accurate data and analytics.

Manage bins and waste remotely via desktop or mobile app for operator and driver.



DOES ZAQUIN SMART DEEP COLLECTION SYSTEM REALLY WORK?

Click the icon to watch our
Smart Deep Collection System Related Video

Zaquin Smart Deep
Collection System
Commercial Video

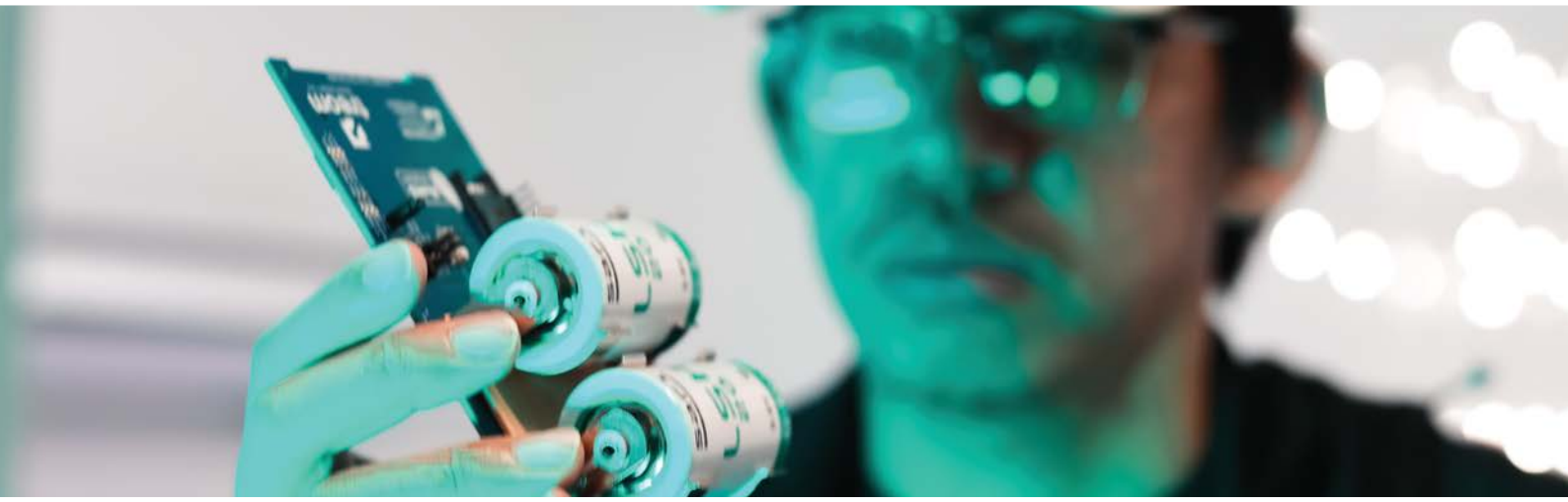
Zaquin Smart Deep
Collection System
Demonstration Video

Treom Smart Waste
Management System
Explaination Video

Be the change, choose Zaquin.

From residential to commercial area, our Smart Deep Collection System has proven successful. Zaquin Smart Deep Collection System are the catalyst to a smarter city by utilizing Internet Of Things (IoT) and digitalization of smart waste management. In Compliance with the Environmental, Social, Governance (ESG) pillars, we strive towards achieving the Sustainable Development Goals (SDG) by the United Nations.
#Bethechange #ChooseZaquin

ZAQUIN® x treom



ZAQUIN
smart waste solution

PUSH
HETRONIC

ZAQUIN
smart deep collection system

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IF YOU HAVE TO SEE, SMELL OR EVEN THINK ABOUT GARBAGE ON YOUR PROPERTY, YOU DON’T HAVE A WASTE MANAGEMENT SYSTEM, YOU HAVE A WASTE PROBLEM.

Zaquin, your solution.

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