

Green building Council of Cameroon (GBC CAM)

GBC CAM NEWSLETTER

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SMART WASTE MANAGEMENT

BINOLOGY PARTNERSHIP

Binology takes waste management of the built environment to the next level

Green Building Council Cameroon (GBC CAM) is proud to introduce Binology's solar-powered IoT SmartCity Bins, which is taking waste management to the next level.

Solar Powered Panels

In our ongoing quest to reduce CO2 emissions, Binology's state of the art solar panels are protected by very strong polycarbonate - which is 250 times stronger than glass. SmartCity Bins are powered by natural sunlight, which reduces our dependence on fossil fuels. A single solar-charge can last for up to 30 days without any additional sunlight.

IoT Powered Technology

One of the advantages of these SmartCity Bins is their integrated cloud-based IoT (internet of things) technology that communicate via digital sensors pertinent information including:

- fill capacity level of the bins
- air temperature
- air quality
- humidity
- fire detection
- tilt-sensors

Green Building Technology

As part of our continued commitment to green buildings and sustainability, Binology's SmartCity Bin's modern and aesthetic design will encourage its commercial tenants to dispose of their paper, plastic, glass, and metal waste on a daily basis. It has a closed design made of solid galvanized steel and weighs at least 200kg, anchored into the floor with 4 metal anchors, making it nearly impossible for people to move or vandalize the bins. Its height is 170cm and ergonomically designed with a curved top to ensure that any trash placed on top of the bin will automatically fall off.

Automatic Mechanical Waste Compactor Press

SmartCity Bins are retrofitted with a mechanical waste compactor that automatically compacts waste. Digital sensors identify in real time as waste fills up, and the automatic mechanical compactor allows for up to 8 times more waste to be collected. It also has a foot pedal that allows for waste to be inserted without physically touching the bin.

Profit from Advertising Panels

SmartCity Bins allow building managers and commercial tenants to profit by means of digital LED advertising panels on up to 3 sides of the bin. Airports, train stations, shopping malls, and high-net worth residential apartment complexes and commercial B2B business towers to advertise their B2B and B2C brands to an audience in high-traffic areas, whilst at the same time promoting their commitment to fight against climate change and sustainability

Profit from Recycled Waste

SmartCity Bins make it easy for green building engineers to separate their plastic, paper, glass and metal waste, thereby making it easy to establish meaningful, profitable relationships with waste recycling companies. The SmartCity software communicates in real time what the fill levels are, thereby removing the guesswork as to when the recycling companies need to collect the separated waste. By encouraging HR from all commercial tenants to get their staff to bring their waste for a small financial incentive, this will improve your relationship with recycling companies whilst improving a green circular and sustainable economy.

For more information on how to purchase this technology, contact [The Green Building Council Cameroon \(GBC CAM\)](http://The Green Building Council Cameroon (GBC CAM).).



NET ZERO CARBON

COLLABORATION WITH ZINA DÉCOR



ZINA DÉCOR.

Green Building and Construction Company, based in Cameroon. Corporate member of Green Building Council Cameroon (GBC CAM). Specialised in green buildings, waste management and also provide import & export services. Zina Décor is constantly growing and pride itself with Innovation, Sustainable design & Construction and trustworthiness.

MISSION OF ZINA DECOR

ZINA DÉCOR's mission is to perform the highest level of quality sustainable construction services at fair and market competitive prices to their customers. To ensure its longevity through repeat and referral business achieved by customer satisfaction in all areas including timeliness, attention to detail and service-minded attitudes. To maintain the highest levels of professionalism, integrity, honesty and fairness in relationships with suppliers, subcontractors, professional associates and customers.

VISION OF ZINA DECOR

Our Vision is to Design and Build a Modern and Sustainable Net Zero Cameroon. Achieve extraordinary results for our customers and earn a fair return on the value we offer.

GBC CAM AND ZINA DECOR

Considering the fact that Cameroon is a signatory to the Paris agreement and a full supporter of the UN Sustainable Development Goals (SDGs), thus indicating its commitment to the fight against climate change...

Considering the World Green Building Council's mission to transform the building and construction sector across three strategic areas—climate action, health & wellbeing, and resources & circularity...

Green Building Council Cameroon (GBC CAM) is proud to Announce that in collaboration with [ZINA DÉCOR](#), are looking forward to transform the Cameroon's Built Environment to be very sustainable. This shall be done through:

Advocating for Net Zero Carbon Buildings (NZCB)

[Net Zero Carbon Buildings](#) are highly energy efficient buildings that are fully powered from on-site and/or off-site renewable energy sources and offsets (WorldGBC).

ZINA DÉCOR is contributing to the realisation of these buildings by:

- 1) Designing, Constructing and operating buildings that are solely powered by Solar energy produced on site;
- 2) Equipping these buildings with rain water harvesting and grey water recycling systems.
- 3) Optimising organic waste by designing and constructing biodigesters that produce biogas and organic fertilisers from these buildings
- 4) Constructing with materials having the lowest possible [Embodied Carbon](#)
- 5) Encouraging the application of third-party verification systems to certify these building green

Waste Management

In collaboration with GBC CAM, ZINA DÉCOR is working to efficiently and sustainably manage solid waste in Cameroon, through a Smart Waste Management System, technologically empowered by [Binology](#). With the population of cities in Cameroon increasing massively every day, municipal solid waste is equally increasing tremendously in these cities. THE TIME TO ACT IS NOW! ZINA DECOR'S action shall be based on the circularity of waste, which shall equally go a long way to contribute to the fight against climate change in Cameroon.

