



DMS VENTURES

Sustainability Branch of Studio M-Arch Global LLC



FOOD COMPOSTER · WASTE-TO-COMPOST MACHINE

Smart Bin

Turning food & garden waste into nutrient-rich compost — on-site.

Trusted by JW Marriott · Saudi Aramco · Oman LNG · The Taj · Masdar City

80–90%

Waste volume reduction

24 hrs

Full compost cycle

100%

Odor-free operation

Zero

Waste to landfill





Who We Are



STUDIO M-ARCH GLOBAL LLC

Sustainability & Innovation Branch

DMS Ventures turns everyday food and garden waste into nutrient-rich compost — on-site, automatically, and odor-free. From boutique hotels and university campuses to smart cities and offshore vessels, our Smart Bin systems help organisations cut waste, costs and carbon while meeting tightening sustainability mandates. Trusted across the Middle East, Europe & Africa.

On-site & automated

Zero to landfill

ME • Europe • Africa



The Challenge

- Food waste in landfill emits methane — 28× more potent than CO₂
- Rising disposal, hauling & municipality charges
- UAE mandate: zero waste to landfill by 2030



Our Solution

- On-site Smart Bin composts in a 24-hour cycle
- 80–90% volume reduction · 100% odor-free
- Nutrient-rich compost — nothing sent to landfill



Meet the Smart Bin



Fully automatic • SS 304 wet-contact parts • all-weather canopy

A fully automatic, compact composter that converts all organic waste into compost — no pre-sorting, no additives, no odor.



Fully Automatic
Touchscreen, set-and-forget cycles



Silent & Odor-Free
Vibration-free; hotel & resort grade



Universal Intake
All food + garden waste, no sorting



SS 304 Build
Corrosion-proof, all-weather canopy



No Additives
Natural process; no enzymes or chemicals



Energy-Smart
25–30% less power; live monitoring

HOW IT WORKS



Load
Food + garden waste



Shred & Mix
Auto crush & blend



Heat & Compost
24-hour cycle



Compost
Nutrient-rich output



The Numbers That Make It Pay

Up to 90%

Waste volume reduction

25–30%

Lower energy & operating cost

~18 months

Typical CAPEX payback



Cost Savings

Cut landfill, hauling and fertilizer spend; reuse compost on-site.



Operational Efficiency

Fully automated with 25–30% lower energy and minimal labour.



Low Maintenance

Doors on all sides for simple cleaning and quick part access.



Durability & Reliability

SS 304 build, corrosion-proof, 12-month warranty plus AMC.

CAPEX is typically recovered within ~18 months — after that, it is net savings, year on year.



Built for a Net-Zero Future

On-site composting turns a waste liability into measurable, reportable climate action.



Carbon & Methane

Stops landfill methane — 28× more potent than CO₂.



Circular Economy

Food + garden waste returns as compost, reused on-site.



Regulatory Compliance

UAE Zero Landfill 2030 · Net Zero 2050 · Dubai D33.



Green Tourism & ESG

DST Stamp · TripAdvisor GreenLeaders · ESG & carbon credits.



Aligned & Certified

- ✓ UAE Net Zero 2050
- ✓ Zero Waste to Landfill 2030
- ✓ Dubai Economic Agenda (D33)
- ✓ COP28 climate commitments
- ✓ Paris Agreement aligned

ISO/TS 16949 · CE Marked · Udyam Registered

Every kilo composted is a kilo diverted from landfill — auditable for ESG and sustainability reporting.



From Waste to Worth

WHAT GOES IN



All food & garden waste — peels, leftovers, meat, bones and garden trimmings. No pre-sorting required.



WHAT COMES OUT

Nutrient-Rich Compost & Organic Fertilizer

-  **Landscaping & gardens**
Greens, grounds and golf courses
-  **Agriculture & farming**
Enriches soil; replaces chemical fertilizer
-  **Reuse or resell**
Use on-site or sell as commercial compost
-  **100% safe**
For plants, pets, people — and marine life

Closing the loop — food waste returns to the soil as value, not landfill.



Built for Every Scale & Sector

From a boutique villa to an offshore vessel — a Smart Bin sized to your daily volume.



25–100 kg/day

IDEAL FOR

Villas, schools, boutique hotels & cafeterias



100–250 kg/day

IDEAL FOR

Malls, food courts & mid-size resorts



250–500 kg/day

IDEAL FOR

Communities, restaurants, catering & labor camps



500 kg–1 t/day

IDEAL FOR

5-star hotels, golf, universities & farms



Custom-Built

IDEAL FOR

Offshore, ONGC, vessels, cruises & naval (explosion-proof)

Every unit — 3-phase power • 24-hour cycle • 12-month warranty • AMC available • ISO/TS 16949 & CE marked



Three Ways to Feed the Smart Bin

Match the loading method to your site's volume, layout and workflow.

VALLINK®



Manual Loading Platform

An ergonomic raised platform for safe, manual tipping of waste into the intake.



Screw Conveyor

An automated augur feed for continuous, hands-free, high-volume loading.



Bin Lifter

A hydraulic tipper that lifts and empties standard wheelie bins automatically.

All loading options integrate directly with the Smart Bin and are configured to your site.

Trusted by Global Leaders

Deployed across luxury hospitality, smart cities and the offshore energy sector.

JW Marriott

Hospitality · 1 t/day

Saudi Aramco

Offshore vessels

Oman LNG

Energy sector

The Taj

Hospitality · 0.5 t/day

Masdar City

Smart city

DAMAC Hills

Residential

Dubai Silicon Oasis

Smart city

ACS Abu Dhabi

Education

“The Smart Bin transformed our waste management — cutting costs, reducing our carbon footprint, and supporting our sustainability goals.

— **Facilities Manager, Dubai Silicon Oasis**

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Let's build your zero-waste future

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