



Zero Waste to Landfill (ZWTL) Pledge

A Step Towards a Sustainable Future

Presented by Control Union Malaysia – Circular Economy Division



Malaysia's Solid Waste Diversion Targets 2025-2035



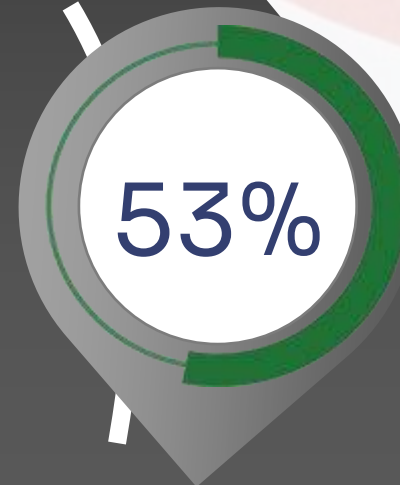
Target 2025

Initial phase focuses on building readiness and capacity for waste diversion.



Target 2030

Mid-term goals for significant waste reduction and increased circular practices.



Target 2035

Long-term vision for a mature circular economy with minimal landfill dependency.

Malaysia generates **1.17 kg of waste per person daily**, putting huge pressure on limited landfill space, making urgent waste diversion strategies essential.

Malaysia's Waste Crisis

The numbers tell a stark story

38K

Tonnes daily

Waste generated across Malaysia

3.5%

Annual increase

Growing waste generation rate

80%

Landfills at capacity

Will be full by 2030



What is Zero Waste to Landfill (ZWTL)?

Zero Waste to Landfill (ZWTL) is a commitment to minimise or eliminate the amount of waste an organisation sends to landfills. It represents a critical step towards a more sustainable and circular economy.



Baseline Measurement

Conducting a comprehensive study to understand all waste streams and their origins within the organisation.



Reduce, Reuse, Recycle

Prioritising waste prevention, promoting product reuse, and implementing robust recycling and composting programmes.



Landfill Diversion

Partnering with certified recyclers, composters, and waste-to-energy providers to divert remaining materials from landfills.



Why ZWTL Matters Now

Landfills Are Filling Up

80% of Malaysia's landfills will reach capacity by 2030, demanding urgent action.

Rising Costs

Increasing tipping fees and waste taxes will significantly impact operational budgets.

Regulatory Pressure

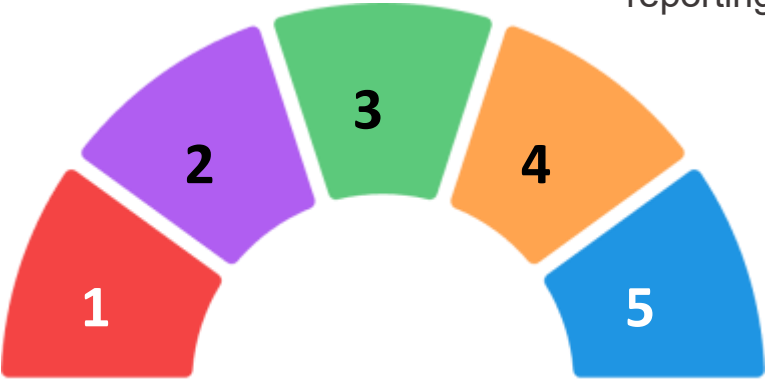
Upcoming Circular Economy Blueprint and EPR policies mean early adoption avoids penalties.

ESG & Brand Value

Demonstrate tangible sustainability action and provide verifiable data for GRI 306 reporting.

Resource Efficiency

Transform waste into valuable resources, including recycled materials, compost, and energy.



ZWTL Movement Goals



Map & Measure

All waste streams documented



Divert Maximum Waste

Recycling, composting, reuse, waste-to-energy



Reduce Landfill Disposal

Year-over-year improvement tracking



Achieve Verification

Display ZWTL status with pride



Organizations: Lead the Way to Zero Waste to Landfill

Organizations play a crucial role in reducing landfill waste — your commitment drives Malaysia toward a circular economy.

Food & Beverage Chains

Reduce food waste, recycle cooking oil.



Shopping Malls & Hypermarkets

Manage tenant & consumer waste.

Factories & Manufacturers

Minimize production waste.



Corporate Offices

Cut single-use plastics & improve segregation.

Be a pioneer in Malaysia's journey to Zero Waste to Landfill. Take the pledge today.

How ZWTL Works



ZWTL Performance Levels

For a start, an organization must achieve a minimum of 75% waste diversion over a 12-month period for any waste stream they choose. Based on this diversion percentage, organizations can qualify for one of the following performance levels:



Zero Waste to Landfill

Diversion rate $\geq 99.0\%$



Near Zero Waste to Landfill

Diversion rate $\geq 95.0\%$ and $< 99.0\%$



Advanced Level Waste Diversion

Diversion rate $\geq 85.0\%$ and $< 95.0\%$



Standard Level Waste Diversion

Diversion rate $\geq 75.0\%$ and $< 85.0\%$

Waste Stream – Paper

1

Identify Sources

Office printing, packaging, shredding room

2


Action Plan

- Collect in separate bins
- Send to certified recycler
- Get monthly receipts

3

Impact

Diverts paper from landfill, reduces virgin paper demand

 Tip: Encourage digital-first policy to cut paper use



Waste Stream - Used Cooking Oil

Identify Sources

Canteen, production kitchen facilities

Action Plan

- Collect in sealed containers
- Partner with certified recycler
- Keep detailed pick-up records

Impact

Converts waste oil into biodiesel, prevents drain pollution



✅ Tip: Educate staff to avoid mixing oil with food scraps



Waste Stream - Food Waste

1

Identify Sources

Cafeteria leftovers, pantry waste,

2

Segregate at Source

Separate collection systems

3

Send to Composting

Facility or anaerobic digester

4

Document Impact

Obtain affidavit of composting

Impact: Produces compost/biogas, reduces methane from landfill



Tip: Run awareness campaign to reduce plate waste

Waste Stream - Plastic Waste

Strategic Plastic Diversion



Identify Sources

Packaging, shrink wrap, bottles



Sort by Type

PET, LDPE, HDPE classification



Certified Recycling

Send to verified recycler
partners

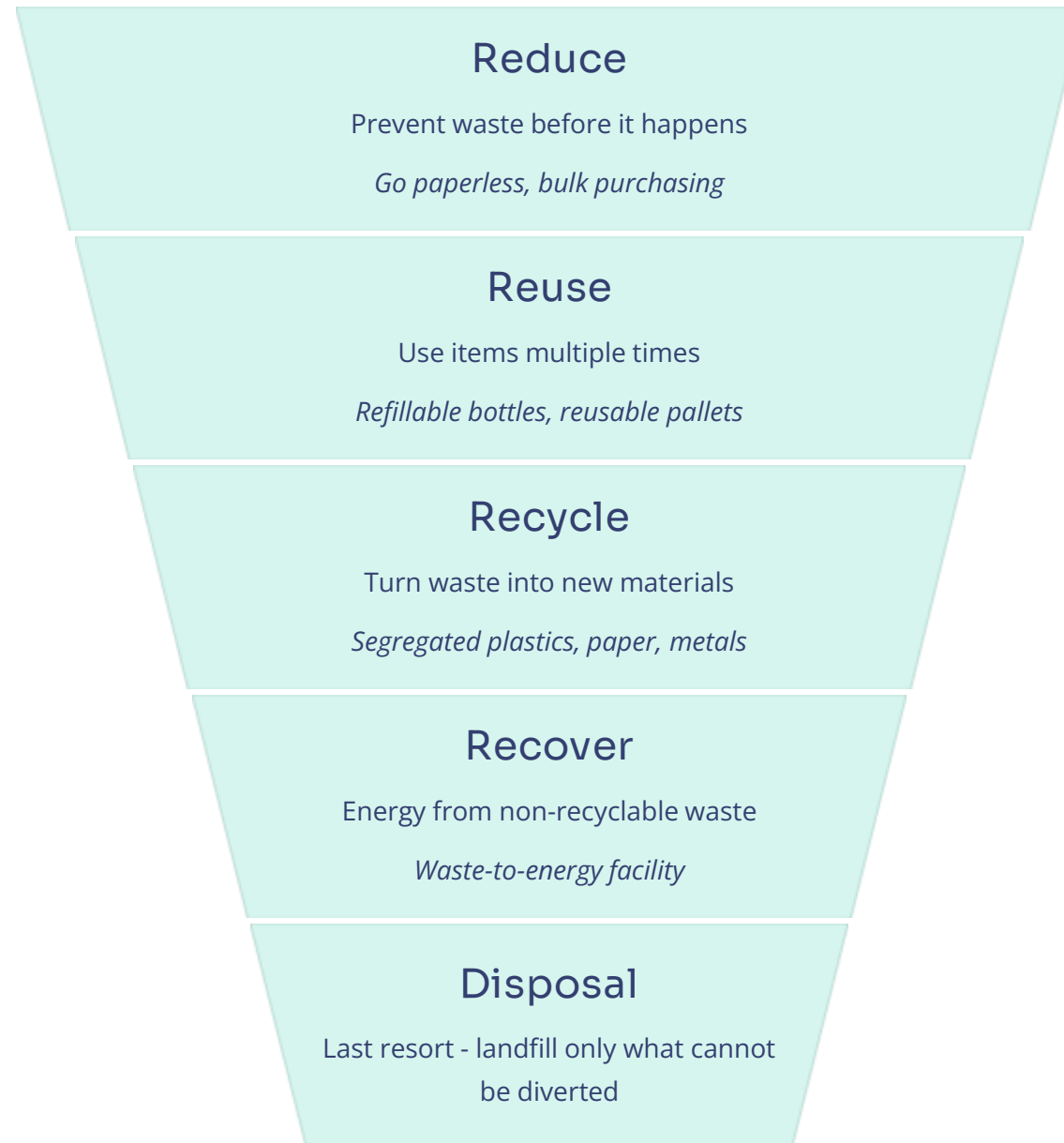


Track & Record

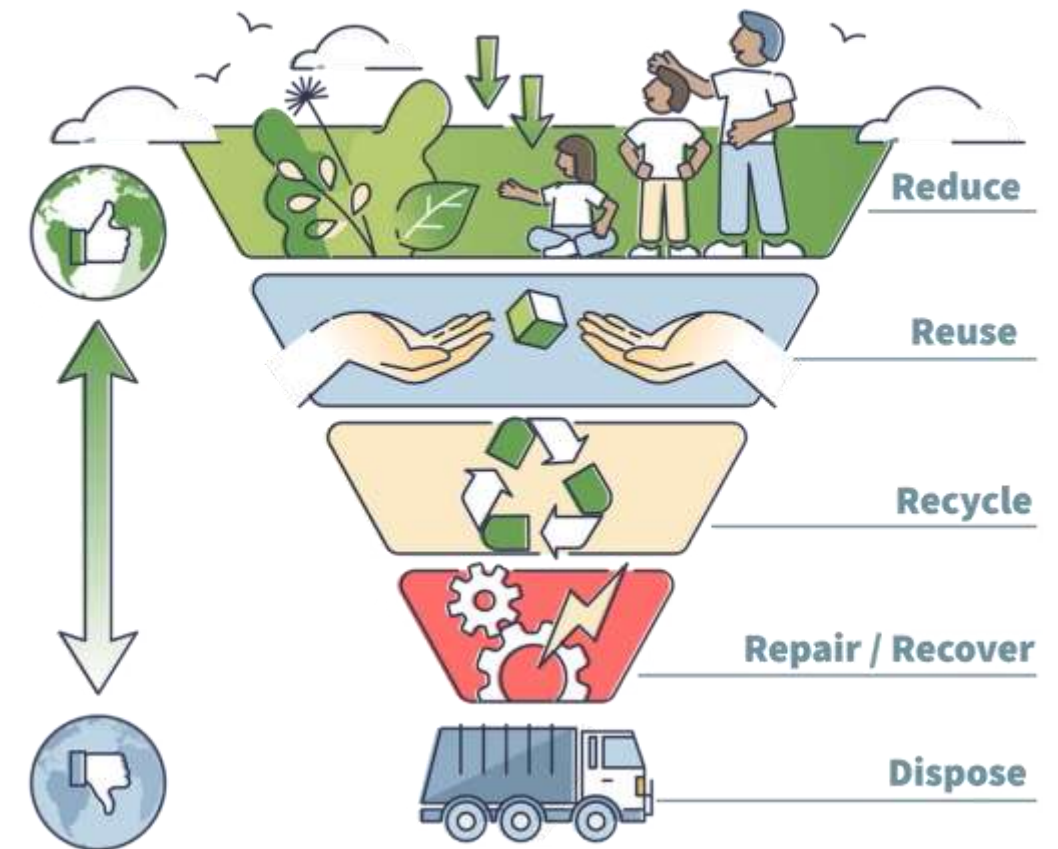
Weight & diversion
documentation

Impact: Turns plastic into pellets for new products, prevents landfill leakage

The 5R Flow Strategy



Waste Hierarchy Pyramid



Benefits for Your Business

Business Case



Lower Waste Costs

Lower landfill costs & maximize resource efficiency



ESG Compliance

Meet customer and regulatory needs with verified GRI 306 waste data — strengthen ESG impact.



Strong Sustainability Story

Strengthen annual reports with verified waste data & market your zero-waste achievements



Opportunities with Global Sustainable Brands

Win contracts with top sustainable brands.



Employee Pride

Boost engagement & retention



Improves brand image

Builds trust and boosts your sustainability reputation



What We Offer



Expert Guidance

Map and manage waste data with precision



Templates & Tools

Easy documentation systems for tracking



Technical Support

Comprehensive training for your team



Smooth Verification

Streamlined process with global recognition

Be Part of the ZWTL Movement – SAC 2025

Join Malaysia's premier platform for circular economy initiatives.

What is SAC 2025?

Malaysia's leading annual platform by Control Union & MDBC, uniting leaders to shape the circular economy and drive global-to-local sustainability action including industry leaders, policymakers, innovators, and financiers.



Benefits of Joining the ZWTL Pledge

Brand Leadership

Position your organization as a national sustainability pioneer and enhance corporate reputation.

Free Marketing Exposure

Logo featured on the pledge wall, event backdrop, and SAC social media campaigns.

Networking Opportunities

Meet decision-makers from leading organizations and financial institutions, fostering valuable partnerships.

Compliance & ESG

Strengthen reporting, meet customer and regulatory needs, and future-proof operations against evolving waste regulations.

Recognition

- Official Certificate of Commitment presented during SAC 2025.
- Public acknowledgment in SAC press releases and coverage.
- Event on 22nd October 2025 at Grand Hyatt Hotel, Kuala Lumpur



Be a Leader

Take the First Step Today

Scan the QR code to
register and begin
your ZWTL journey
today!



Join the growing network of companies working toward [Zero Waste to Landfill](#)

✔ Contact us: Anuaruddin - Project Manager- Circular Economy, Email: anuaruddin@controlunion.com , Phone: +6013-6263514



LABORATORIES

Provides analytical and testing services for various industries such as food, pharmaceutical, and environmental.



COLLATERAL SERVICES

Services related to the provision of collateral management including inventory control, inspection and certification.



CERTIFICATIONS

Independent certification and verification services for a range of industries, including agriculture, forestry and aquaculture



PEST MANAGEMENT

Pest control monitoring and prevention for various industries such as food, agriculture and logistics as well as pestrelated training to help clients meet regulatory and safety requirements



COMMODITY INSPECTIONS

Inspection services for commodities, including sampling, weighing and testing.



INDUSTRIAL INSPECTIONS

Inspection services for various industries including oil and gas, renewable energy and petrochemicals, covering areas such as quality, safety and compliance.



TECHNICAL INSPECTIONS

Inspection services that include asset integrity management, non-destructive testing, inspection and certification of equipment and other services for industries such as oil and gas, renewable energy, agriculture and food.



CONTROL UNION

TIC Activity

Control Union
Laboratories

Control Union
Certifications

Control Union Pest
Management ions

Control Union Inspections



Control Union Laboratories TLR

*Control Union Technical Inspections
Control Union Commodity Inspections
Control Union Industrial Inspections
Control Union Collateral Services*

Circular Economy Certification Program

Carbon Footprint

Circular Economy & Environment

ESG & Sustainability Assurance

Textile & Plastic Recycling

Forestry, Biomass & Biofuel



ISO 14064 – Emission Verification Services



ISO 50001 EnMS – Energy Management Systems



Global Reporting Initiative



OCS 100 – Organic Content Standard



FCS – Forest Stewardship Council



PAS 2060 – Carbon Neutralation Services



Plastic Free Certification Mark



International Financial Reporting Standards – S1 & S2



OCS Blended – Organic Content Standard



GGL – Green Gold Label



VCS – Verified Carbon Standard



ISO 14001 EMS – Environmental Management Systems



BURSA Sustainability Reporting Guidelines



GRS – Global Recycle Standard



ISCC – Certified Biomass and Bioenergy



PLAN VIVO – Carbon Offset Project Validation/Verification



ISCC Plus



AccountAbility's AA1000 Series of Standards



GOTS – Global Organic Textile Standard



PEFC – Program for the Endorsement of Forest Certification



The Gold Standard



OBP – Ocean Bound Plastic



Simplified ESG Disclosure Guide (SEDG)



RCS – Recycled Claim Standard



SBP – Sustainable Biomass Program



PEF – Product Environmental Footprint



ZWTL – Zero Waste To Landfill



EU Deforestation Regulation Readiness



GOLS – Global Organic Latex Standard



MTCS – Malaysian Timber Certification scheme

Zero Waste to Landfill

Because Nothing Should Go to Waste



CONTROLUNION



Thank you

Looking for a specific service or have a question? We are ready to assist you. Don't hesitate to contact us. Get in touch for more information.

Send your inquiries via email to

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or follow us on social media to contact us. Get in touch for more information.



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