

From food waste to value

Powering hospitals with circular solutions



Food waste



Biogas



Power



Fertiliser

HFM Healthcare
Facilities
Management



The Waste
Transformers

Introduction to TWT

Who we are: leader in waste-to-value solutions!

We are The Waste Transformers, a global leader in onsite, containerized **food waste-to-value** solutions. Our mission is **to eliminate the concept of waste** by empowering businesses and communities to transform their organic residuals into valuable resources, right where they are generated.

VISION

To create a **global network of decentralized systems** that convert food waste into clean energy, natural fertilizer and economic opportunity.

APPROACH

We place our technology at the heart of communities, **turning a problem into a sustainable, local solution** that benefits both people and the planet.



With **The Waste Transformer**
sustainability becomes
tangible

Meet the Waste Transformer ADX



Think big, by
going small

Our flagship product is an **anaerobic digester** housed in a shipping container. It's a plug-and-play solution that transforms organic waste into clean energy and nutrient-rich fertilizer on-site.

- **Modular & scalable**

Units can be sized and combined to meet the specific needs of any location, from industrial campuses to entire communities.

- **Decentralized power and waste mngt**

Reduces reliance on the grid and transportation for waste hauling, slashing carbon footprints.

- **Smart & simple**

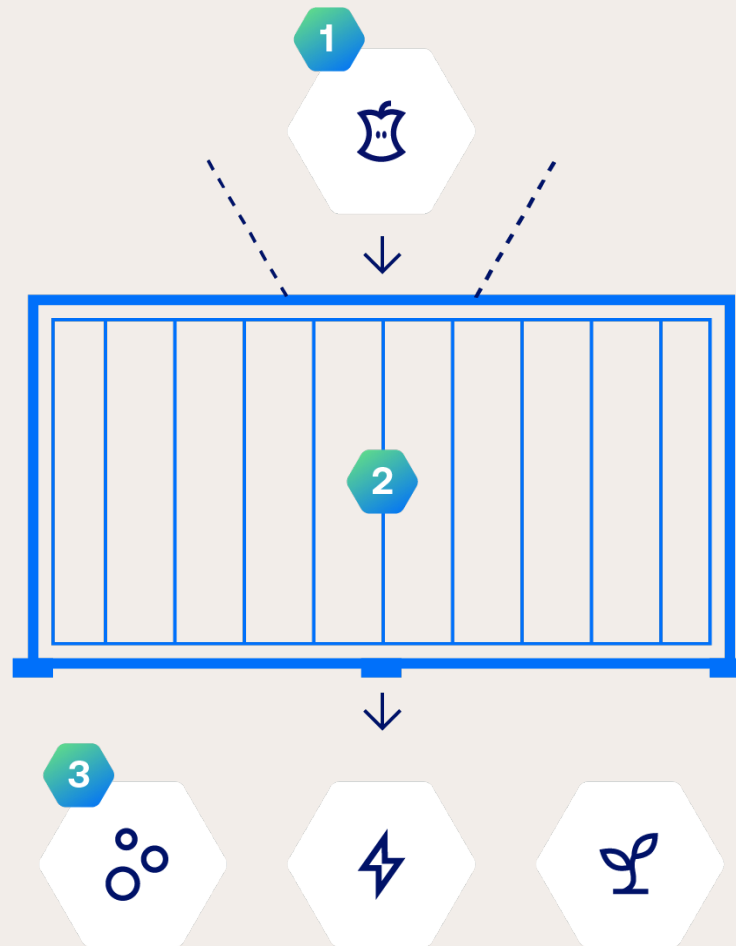
Remotely monitored and easy to operate, requiring minimal user intervention.

Local on-site solution to valorize food waste with **HFM** Healthcare Facilities Management

A Waste Transformer is an anaerobic digester, modular designed and build in 20-foot shipping containers producing biogas.



Johan Cruijff Arena



From 300KG
Food waste per day

- 1 Daily **feeding** with food waste with standard waste bins. No change in operations needed.
- 2 Waste Transformer **processes** food waste continuously. Feeding it every day with food waste.
- 3 **Output** streams are green energy, in the form of biogas or electricity and heat. Natural liquid fertilizer is the single material output stream.

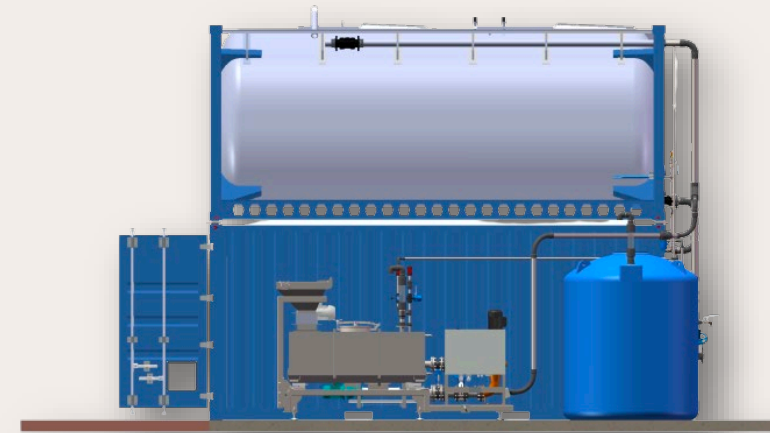
Waste Transformer ADX1

Processing up to 350 kg per day

Design output values for 350kg/day

20 ft containers	2
Daily feeding	350 kg/day
Electricity	79 kWh e/day
Heat	141 kWh th/day
Digestate	325 litres/day

Calculated with regular mixed food waste (as per typical BMP test results). This entails: 24.5% dry matter, 176m³ of biogas per ton (of which 61% methane), 95.3% volatile solid with an ambient operating temperature of 10 degrees Celsius (yearly average) and 100% Availability



Waste Transformer ADX5

Processing up to 1750 kg per day



Mixing Tank

This is where the macerated food waste is mixed and pumped into the system

Technical Container

Pumps and other appendages required to run the systems are located in this container

Gas cleaning

To ensure the best gas quality to run the CHP, a set of filters cleans and dewater the biogas.

Electrical room

The automated process requires switchboards and instruments to run the installation. This is where the HMI is located as well.

Anaerobic Digester Tanks

Tanks holding the live and active bacteria. As well as buffering produced biogas.

Combined Heat and Power unit(s) (CHP)

Are at the heart of every installation and renowned for their efficiency.

Design output values for 1750kg/day

20 ft containers	10
Daily feeding	1750 kg/day
Electricity	435 kWh e/day
Heat	707 kWh th/day
Digestate	1627 litres/day

Calculated with regular mixed food waste (as per typical BMP test results). This entails: 24.5% dry matter, 176m³ of biogas per ton (of which 61% methane), 95.3% volatile solid with an ambient operating temperature of 10 degrees Celsius (yearly average) and 100% Availability

Flexible ways to implement TWT solutions

Clients may **purchase** TWT equipment and sign a Remote Service Monitoring (RSM) contract — often complemented by on-site maintenance via TWT or partners.

OR opt for our **Waste-as-a-Service (WaaS)** model: a fully integrated solution that bundles equipment, maintenance and operational services into a single, flexible agreement, without the need for high upfront capital investment.

Key benefits for WaaS:

- No large upfront investment.
- Predictable monthly costs.
- Scalable and flexible to meet evolving needs.
- Optional future ownership.

Choose the **model** that fits your business, while **TWT** delivers reliable operations and **real sustainability impact**.

Why TWT is your complete waste management partner

End-to-end expertise for a cleaner, smarter future

At The Waste Transformers, we don't just provide equipment—we deliver full-service, turnkey solutions that help you lead the sustainability transformation.

Why Choose TWT:

- **Complete solution:** From site assessment to installation, operations, maintenance, and ongoing support.
- **Innovative technology:** Proven ADX systems converting food waste into clean energy and fertilizer.
- **Flexible options:** Buy the solution or opt for Waste as a Service (WaaS)—with seamless service in both cases.
- **Global experience:** Serving airports, stadiums, hospitality, retail, industrial campuses, and more.
- **Sustainability leadership:** Strengthen your brand, engage your teams, meet regulatory goals.

With **TWT**, your waste becomes a visible commitment to **sustainability, powering** your operations and **your story**.

More than waste: A powerful sustainability story for healthcare

A Waste Transformer at the heart of your hospital is a visible, daily commitment to sustainability. It's a story that strengthens your reputation, empowers healthcare staff and supports patient trust—while building a resilient and **forward-thinking facility**.

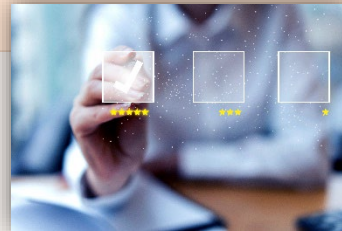
STRENGTHEN PUBLIC TRUST

Show patients, families and the wider community that your hospital shares their environmental values—reinforcing your commitment to care beyond medicine.



ENHANCE INSTITUTIONAL REPUTATION

Demonstrate a tangible commitment to sustainability that sets your hospital apart and aligns with ESG, green procurement, and accreditation goals.



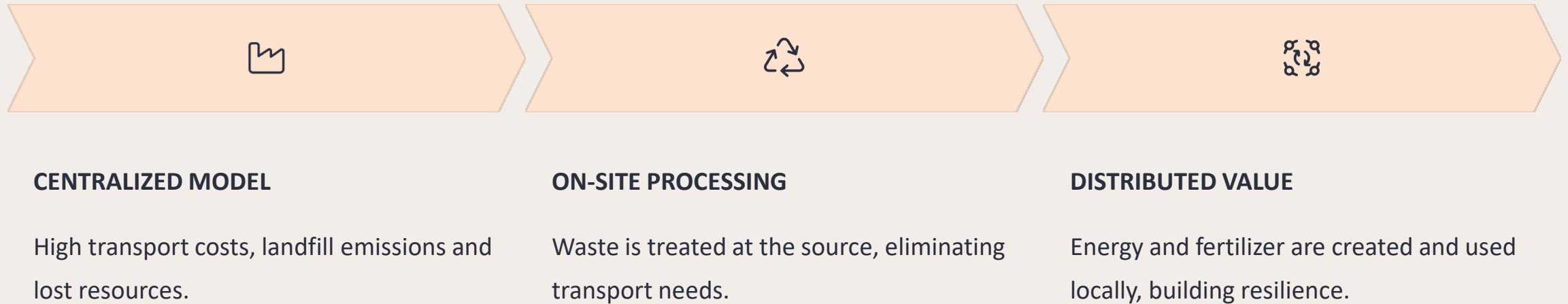
ENGAGE AND INSPIRE STAFF

Empower healthcare teams by showing how their actions contribute to a greener workplace—powering their hospital with the waste they help reduce.



The future is decentralized

The old model of collecting and transporting waste to distant landfills is broken, expensive and unsustainable. **A paradigm shift** is underway, mirroring the evolution of the energy sector from centralized power plants to distributed generation.



Unlock your competitive edge

Adopting a forward-thinking waste strategy isn't just about being green: **it's a powerful business decision.** On-site transformation offers tangible benefits that directly impact your bottom line and brand reputation.



Lower Carbon Footprint

Dramatically reduce GHG emissions from transport and landfilling.



Significant Cost Savings

Cut waste disposal fees and generate your own energy to lower utility bills.



Future-Proof Compliance

Stay ahead of tightening environmental regulations and reporting standards.



Enhanced Local Impact

Create local jobs, produce local energy, and build a powerful sustainability story.

The time to act is now

- Early adopters of decentralized waste solutions are building the businesses of tomorrow
- They are more competitive, sustainable and resilient
- Moreover, there is a learning curve to scale and the longer, the worse
- Delaying action means falling behind on costs, competences, compliance and consumer expectations



The Waste Transformers: Engineering a zero-waste future

- We can support your decision from the very beginning
- The first step can be a customized technical, operational and financial plan
- Pioneering on-site solutions to convert food waste into clean energy and valuable resources, empowering businesses to lead the circular economy.



From Food Waste to Value: the global impact

Our installations are changing the game for businesses worldwide, proving that sustainability and profitability go hand-in-hand. Here are a few of our partners leading the charge.



Join the revolution, transform your waste into value

Companies in these sectors are exploring how:

- Airports
- Industrial campuses with internal restaurants
- Catering
- Entertainment & amusement parks
- Fish farms
- Food & beverage
- Hotels & hospitality
- Mid-large companies with cafeteria
- Stadium & sport centers
- Universities & campuses
- ...



Will you become a Waste Transformer?

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