



QUANUX W2E PLATFORM

Modular Waste-to-Energy Plants

Modular plants that convert municipal solid waste into renewable baseload power — from 100 to 2,000 tons per day — built on one standardized, repeatable design.

Every Quanux facility is an **integrated energy campus**: AI-powered sorting reclaims recyclables before conversion, refuse-derived fuel feeds high-efficiency gasification, and anaerobic digestion handles organics — supplemented by solar and battery storage, with capacity to anchor **AI-ready data centers**.

AI Sorting & Materials Recovery

RDF + Gasification

Solar + Battery Storage

AI-Ready Data Centers

The Model Lineup

100 - 2,000 TPD

 Quanux 100 100 TPD 2–3 MW POWER OUTPUT Edge-scale plant for campuses, islands & small municipalities.	 Quanux 250 250 TPD 5–8 MW POWER OUTPUT Mid-size cities and industrial districts.	 Quanux 500 500 TPD 10–15 MW POWER OUTPUT Single 500 TPD processing train for major urban centers.	 Quanux 1000 1,000 TPD 20–30 MW POWER OUTPUT Two Quanux 500 modules — metro-scale capacity.	 Quanux 2000 2,000 TPD 40–60 MW POWER OUTPUT Four modules — national flagship campus.
--	---	--	--	---

Model	Waste Capacity	Power Output*	Plant Building	Site Footprint	Data Center Support
Quanux 100	100 TPD	2–3 MW	12k–20k sq ft	2–4 acres	Edge DC • 1k–5k sq ft
Quanux 250	250 TPD	5–8 MW	25k–40k sq ft	3–6 acres	5k–15k sq ft
Quanux 500	500 TPD	10–15 MW	40k–75k sq ft	6–12 acres	15k–25k sq ft
Quanux 1000	1,000 TPD	20–30 MW	75k–125k sq ft	10–20 acres	25k–40k sq ft
Quanux 2000	2,000 TPD	40–60 MW	125k–250k+ sq ft	20–40+ acres	40k–60k sq ft

*Electrical output depends on waste composition, moisture content, technology configuration, and plant efficiency. Building and site figures are indicative planning ranges, confirmed through site-specific waste characterization and engineering studies.

How a Quanux Plant Works



Modular by design. Every Quanux plant is built from repeatable 500 TPD processing trains — so capacity can be phased in as waste supply grows. The result: lower engineering risk, common spare parts across every site, faster commissioning, and a clear expansion path from any model to the next.

Partner with Quanux on your next waste-to-energy project.

Feasibility studies • design & engineering • turnkey development partnerships

info@quanux.com • +1 (517) 777-8972

Quanux

TECHNOLOGY • INFRASTRUCTURE • INTELLIGENCE