SUSTA.IN

Together, we form a powerful and necessary source of **influence** to change age-old industry behaviors & processes, creating an industry wide **cultural transformation** and disruption with a vision to 'do no harm' as the aviation industry transports people and products around the globe.

antōs ENVIRONMENTAL

IN. AIR TRAVEL EXPERIENCE

2030 MARKETS

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Our focus is on aviation's environmental commitment through a combination of dedicated disciplines:

- Avoided aviation emissions from waste through **diversion and vaporization of materials** previously incinerated and/or landfilled;
- Dedicated **waste reduction initiatives**; in-flight, on the ground, beginning at Supply Chain; weaving circularity, repurposing, recycling, composting and all matters of landfill avoidance;
- Identify opportunities for **advanced recycling** of plastics and other materials and building project consortia and related supply chains to fully valorize these materials, including as chemical feedstocks for recycled content requirements;
- Providing **education** throughout the client/partner corporate culture, formatted either live or via video, supporting behavioral changes;
- Installing our proprietary innovative **digital technology** that will **track, measure and manage waste** materials at the point of generation as well as all associated waste segregation tasks;
- Manage the generation of feedstocks from aviation waste for use in **SAF** and for other aviation energy needs, including for stationary and backup power systems using hydrogen, or renewable / synthetic natural gas;
- Crediting **environmental attributes** under international and domestic voluntary and compliance schemes.

We recently conducted an assessment of the Frankfurt airport (Fraport) in collaboration with Gategroup, Lufthansa & QMSpot to assess the waste stream and dynamics of their facilities. The discovery exposed a systemic problem when it comes to waste management: a lack of accountability from each airline over its waste generation.

Waste flows from many different generators (airlines) untracked and bundled together with the facility, left to the airport to manage the disposal. We realized that by implementing a sophisticated tracking system which will provide analytics from each flight, lounge and operating system associated with the airlines, that specific performance indicators can be measured and improved.

In collaboration with QMSpot, we are creating a track and trace monitoring system to create continuity between airlines & airports around the waste they generate.

This powerful tool will enable precise tracking and data management which will contribute to reducing waste & emissions and improving operational efficiencies.

With increased visibility into materials management, diversion rates and product usage, clients will adjust purchasing behavior in accordance with sustainability reporting.

Waste Data Problem

- Dependent on Waste Haulers for Data to drive efficiencies, cost savings, diversion rates
- Waste Haulers own landfills, they are inherently misaligned with their customers
- The little waste data haulers provide is inaccurate and based on assumptions.
- Waste Data is stuck in spreadsheets, further driving the "out of sight out of mind" narrative
- Customers have no efficient way to manage schedules, and automate right-sizing Customers are powerless at holding haulers accountable for service levels
- **Customers are unable to get data, track performance, save more money and meet sustainability goals**

Food Waste Tracking & Data

KITRO

Globally one third of all food is lost or wasted. You may be part of commercial kitchens that waste an average of **150 CHF per day** on their avoidable food waste.

20%

of all food purchased by professional kitchens is **thrown away**

up to **60%**

reduction in **food waste**

With KITRO

up to **8%**

increase in **food profit margin**

AUTOMATED FOOD WASTE TRACKING

In your kitchen, place your existing trash bin onto the KITRO solution.

Using **Artificial Intelligence**, KITRO **photographs, identifies, and measures** everything that lands in the bin, even distinguishing the carrot from the carrot peel.

Capture data of every item you throw into the bin **without manual entry from your staff.**

up to 170cm

Any bin up to 120L

50cm   60cm

DATA ANALYSIS AND EXPERT INSIGHTS

Receive **weekly updates** of your food waste on a personalised dashboard.

- **How many kilo** of rice did you threw away?
- **Why & when** the waste occurred?
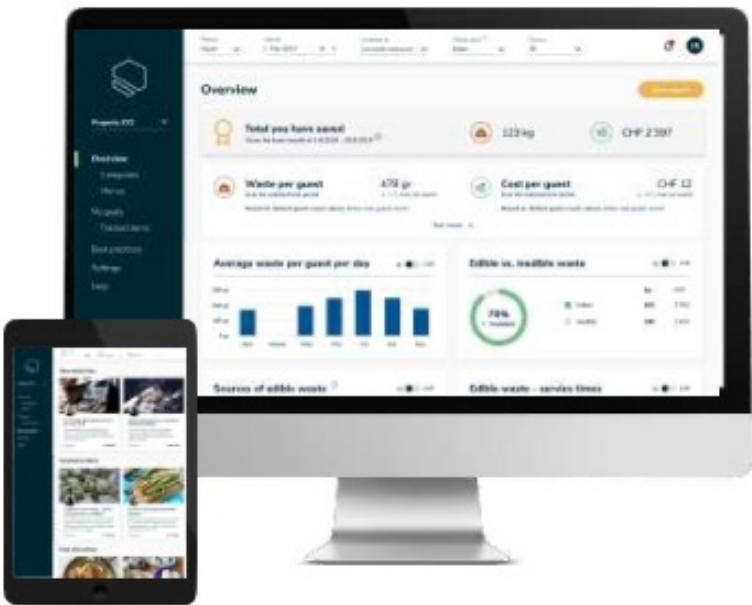- **How much** does this waste cost you?

Tailored **expert advice** on how to optimise operations and cut costs.

Measure with ease

Identify with AI

Solving the waste problem by shifting power back to customers

- Get waste data on your terms real-time using on-site hardware and data upload
- Analytics to automate pickup frequency, and right sizing for dumpsters and compactors
- Track haulers for service compliance Real-time diversion rate tracking

- Data aggregation and tracking at the location level
- Conservative savings of 15-30% by optimizing schedules and right sizing
- Insights that track data trends, and drive continual savings opportunities
- Data to help increase recycling for additional savings opportunities

Enterprise Waste Platform

- Real Time Waste Data available with FEL, and compactor hardware
- Data Upload and Analysis Feature to pull in all sources of data
- National, Regional, Location Level Data Aggregation
- Efficiency Data to automate right sizing and schedule optimization

- Data Insights for recommended improvements
- Track hauler compliance and missed collections
- Real time diversion rate tracking
- Tiered users for additional engagement to enhance recycling/composting
- Admin and Reporting Features

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qm   **Lufthansa**

WASTE NOT.   gategroup

NewYork-Presbyterian   Fraport

American Hospital Association   Mount Sinai

COLUMBIA UNIVERSI

MIAMI   Yale University

Unihealth   UNITED STATES ENVIRONMENTAL PROTECTION AGENCY   BAPTIST HEALTH

DELTA   Copa Airlines

Breeze   Austrian

American Airlines   virgin atlantic

ETIHAD

BRITISH AIRWAYS

AIRFRANCE   CATHAY PACIFIC

LATAM

SAUDIA

NETJETS   Emirates   SWISS

OMAN AIR

VISTAJET

SERVAIR a gategroup member

gategroup

AMMONIA ENERGY ASSOCIATION

GLOBAL NRG ADVISORY   GHD   mobiusPRO

zeroWASTE NATIONAL ZERO WASTE COUNCIL   wbcsd

U.S. PLASTICS PACT   MATTER GLOBAL SOLUTIONS

CARBON CONVERGENCE

Xpansiv   RESPONSIBLE Energy INC.

International Bar Association the global voice of the legal profession

Let's future-proof your business together.

Thank you!