



ADVANCED WASTE MANAGEMENT SYSTEMS FROM ATHNI TRADING & YIANNI CONCEPTS

A. UNDERGROUND WASTE BINS

*General Characteristics

Underground waste bins come in two types. Semi and fully underground. They also come in 2 different capacities of 3000 litres and 5000 litres. Their life span is well above 25 years and can accommodate dry waste for recyclable materials, wet and kitchen waste.

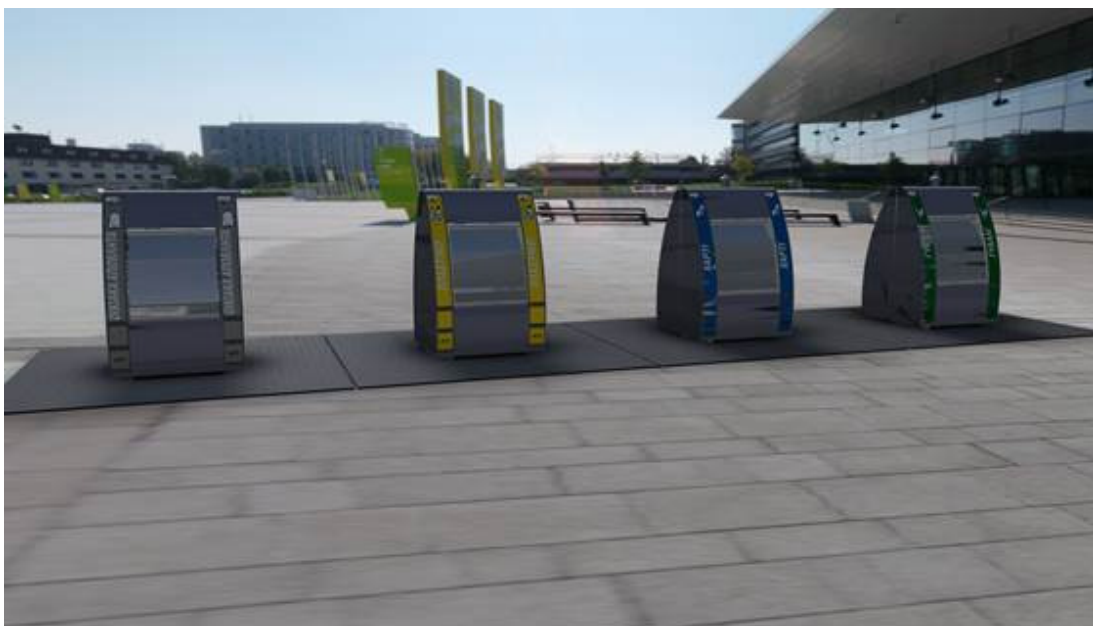
They have many advantages over the traditional wheely bins, ranging from **technical** to **financial**.

Main advantages are:

1. They have a much bigger volume reducing the collection times.
2. Nearly 2/3 of their body (for semi underground) or their entire body (for fully underground) is underground keeping waste (especially kitchen waste) at lower temperatures.
3. Even much bigger than the traditional wheely bins of 1100 litres they occupy less space above the ground.
4. They have a steady position (cannot be moved) and can be "dressed" to blend architecturally any building.
5. Due to their safe lid, **animals, flies, mice, mosquitoes** etc do not have any contact with the waste. They are also safe and protected from weather conditions
6. Lids can lock either mechanically or electronically.
7. Apart from buildings they are very common in creating "ECO-ISLANDS" to accommodate complete neighbourhoods.

*Potential Customers

- 1- Municipalities
- 2-Malls and Shopping centres
- 3-Hotels and Leisure Complexes etc.



TYPICAL UNDERGROUND INSTALLATION

B. UNDERGROUND COMPACTORS

***General Characteristics**

Underground compactors are ideal for shopping centres where outdoor space either for customer's parking or for suppliers, is most important, along with **space cleanliness, aesthetics and safety**.

They are though **essential** in Town centres where streets are narrow and where now Municipalities are rejecting the usual wheelie bins and instead, they install, small good looking bins for each waste, which are daily and randomly collected by small butterfly or electrically operated vehicles and which in turn, empty in nearby underground compactors, in this case used as small underground transfer stations!

Underground compactors not only do not occupy any space above the ground but also cannot be recognised apart from a decorative small chute above the ground. They can open manually, mechanically or electronically and can be used either for private or for Municipality needs.



TYPICAL UNDERGROUD COMPACTOR'S INSTALLATION

***Potential Customers**

- 1- Municipalities (town centres and underground transfer stations).
- 2-Malls and Shopping Centres
- 3-Hotels and Leisure complexes
- 4-Any big commercial project

***Funding**

- In case of a Municipality **project** this could be funded from EEC funds.

C. CHUTE SYSTEMS FOR HIGH BUILDINGS

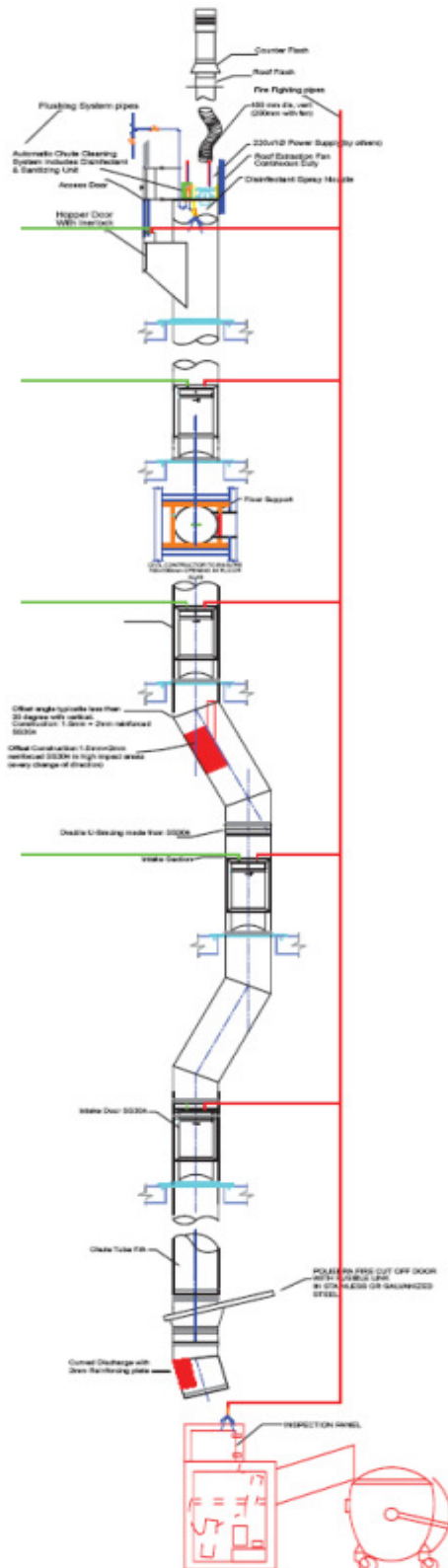
*General Characteristics

For today's, luxury and not only, high buildings, disposal of waste via chutes (whether in office or residential blocks) is the only **Ergonomic, Hygiene** and **Aesthetically** approved solution.

Chutes are certified in all aspects of **Health** and **Safety** and can be installed in any luxurious level building.

*Potential Customers

-Any building, commercial or domestic.





D. FULLY AUTOMATIC VACUUM COLLECTION SYSTEM

***General Characteristics**

Automatic waste transfer by vacuum (suction) can be securely defined as the **future for urban waste handling** .

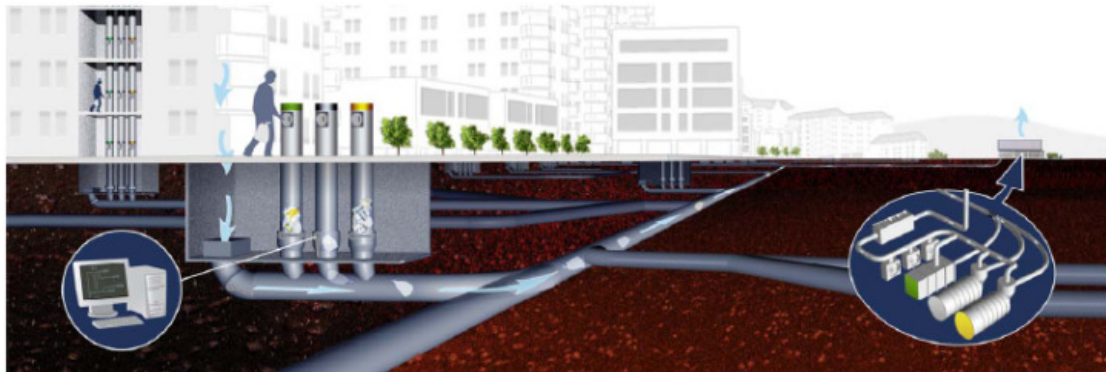
Waste is simply placed into the chute's door and with the push of a button the waste can be transferred kilometres away to a desire container placed under or over the ground.

It is **ergonomic, safe, hygiene and aesthetically superior to any other waste system** and very importantly

FINANCIALLY ADVANTAGEOUS AND AS SUCH ESSENTIAL, especially for big commercial complexes.

Whether this, is meant for **big Malls, or Shopping Centres, Hospitals, Army camps, Hotel Complexes, City Branches** or entire **new City Developments**, the **vacuum system**, is the only system today that can offer all the pre mentioned advantages. It is the system that needs **NO BINS**. In spite of the initial phenomenally high investment its R.O.I is very quick.

Excellent for sharing principles, especially with hotels and restaurants of a particular area.



***Potential Customers**

1-Municipalities

2-Hospitals, Malls and Shopping centers (best)

3-Any commercial complexes.



D1. VACUUM SYSTEM FOR PROFESSIONAL KITCHENS.

*General Characteristics

Bio waste is considered one of the most difficult wastes to handle, as well as having the worst side effects, starting from bad aesthetics, source of bacteria growth and bad smells.

New European regulations now want Bio waste to be kept into seal containers such as to safeguard the environment from the above conditions. The above system also safeguards its further use or transformation into **compost** or **biodiesel** which are the latest requirements of European standards. Bio waste from professional kitchens is safely, hygienically and ergonomically transferred to seal containers with our vacuum system, automatically, right from the kitchen and without the need of any human contact with the waste!

-Excellent for sharing principles with hotels and restaurants of a particular area!



SUCTION OF BIO WASTE INTO SEAL TANK

***Potential Customers**

- 1-Hotels and restaurants (excellent),
- 2-Hospitals (excellent),
- 3-Army camps & prisons,
- 4-Catering Complexes and Camps (excellent),.



E. PROFESSIONAL PULPERS AND DEHYDRATORS FOR HOSPITALITY KITCHENS

***General Characteristics**

Professional Pulpers and Dehydrators are relatively compact equipment which dehydrate and compact bio waste (and not only) from hospitality kitchens, up to 93%! The remaining 7% is **odour free, dry and literally harmless**.

It is actually defined as pre-compost material i.e. One stage before actual compost.

For today's hospitality kitchens, these are as useful as the cooking equipment and should not be kept out from original design.

- **Excellent for sharing principles especially for hotels and restaurants of a particular area!**



PULPER AND DEHYDRATION COMBI SYSTEM

***Potential Customers**

- 1-Hotels and Restaurants (excellent),
- 2-Hospitals (excellent),
- 3-Army Camps & Prisons,
- 4- Catering Complexes and Camps (excellent).



F- NEW, AUTOMATIC, TRUCK WASTE COLLECTION SYSTEM.

***General Characteristics.**

This is the latest technology in the collection of Municipality waste which constitutes of a system with:

- Truck with own dedicated software enabling a single man automatic waste collection.
- Unique lifting system utilizing a special design crane with mushroom coupling device and able to collect the containers from both sides of the truck,
- Demountable compactors enabling the same truck and driver to collect different waste fractions,
- Demountable high - pressure washing system,
- Underground, Semi Underground and **special** Over ground bins. forming part of the system.
- **Excellent for utilizing the ECO-ISLAND concept.**

***Potential Customers**

- 1- Municipalities
- 2- Private Investors

***Funding**

- In case of projects these could be funded from EEC funds.



**AUTOMATIC TRUCK WASTE COLLECTION SYSTEM (TRUCK WITH SOFTWARE,
NEW TECH. LIFT SYSTEM, DEMOUNTABLE COMPACTOR, NEW TECH.
OVERGROUND WASTE BINS).**



WASTE MANAGEMENT CONCEPTS

WASTE HANDLING EQUIPMENT FOR EVERY JOB!

Both you and the environment benefit by compacting and baling waste and recyclable products

THE PROBLEM	THE METHOD	THE SOLUTION	THE RESULT
 <p>Industry Department store/shop Supermarket School Hotel Fast food/Restaurant Hospital Food manufacture Ship/ferry Oil platform Camping ground</p>	 <p>Compacting up to 10:1</p>		<ul style="list-style-type: none"> ✓ Reduced transportation cost ✓ Reduced collection cost ✓ Better hygiene ✓ Better working environments ✓ Improved security ✓ More free space ✓ Improved safety at work ✓ Increased recycling ✓ Better internal logistics ✓ Less risk of fire ✓ Happier staff ✓ Reduced pilferage ✓ Labor savings

We have a simple solution to rubbish pollution!

Get a waste Compactor Today!

75% in volume reduction

Call: 22 468 222