

Now the environment comes to you !

MOVING TRI®

The mobile waste collection unit

P A T E N T E D

The mobile waste collection unit is now available close to you!

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The collection of bulky waste in France

An infernal spiral

The management of bulky waste is a true concern not only for local communities but also for inhabitants and traders.

Behaviour and consumption evolutions lead to both problems of storage and collection of this waste.

Shortage of space storage

The reduction of waste storage sites is a real concern.

We observe today the tendency of:

- The absence and insufficiency of temporary storage space in some properties.
- More and more suppression of storerooms and cellars in home construction or renovations.
- A regular over packaging generating new needs.

These heavy trends are amplified by short product life, involving more and more bulky wastes: 18 millions tonnes in 2001 or 130 kg per inhabitant a year (against 40 kg/inhabitant in 1996).

Increase of waste collection restrictions

On their side, local communities have to face technical regulations from treatment units authorized to deal with this kind of waste.

The list restrictions of bulky waste such as rubbles, stumps, green waste, barrels, gas bottles, pneumatics, car spare parts, small bottles, etc... make the collection of waste not easy.

The fixed waste disposal sites

A non perfect solution.

In front of these difficulties, local authorities have different responses.

- Increase collection frequencies
- Organize collection on demand
- Setting up of a waste disposal sites on specific areas.

Most of municipalities have chosen to set up waste disposal sites, the far most adapted to people and environment directives.

The development of such equipments requires important financial and human means increasing budget of rural districts, communities of communes or towns.

More over, choices of the location of such sites are often a disagreement and conflicts sources.

This difficulty to find out the right place obliges some communities to think about creation of new fixed waste disposal sites and allows the increase of the collection costs.



The alternative solution: The mobile waste collection unit

In order to limit investments previously mentioned and stop problems related to the location, SEBRA (based in LA LOIRE in RHONE-ALPES), has had the idea of completely new equipment in the environmental field : the mobile waste collection unit **MOVING'TRI**.

Thanks to its easy use, its mobility and its several capacities to adjust to the collection requirements, "**MOVING'TRI**" is the indispensable mean of pre-collection and local collection waste.

Unlike fixed waste disposal sites to which the user must go, the mobile waste collection unit comes to users and make sensitive to waste select sorting.

Mobile waste collection unit: How it works

In its configuration, the mobile waste collection unit is made of a trailer equipped with six skips.

- Once arrived at its working place, the lorry driver deploys laterally the platform by operating from the panel control. The width of the platform goes from 2,40 m (road configuration) to 5m (waste collection units configuration).
- Using a crane located on the truck, six skips are put on the ground: 3 items on each trailer side.
- At last, the lorry driver spreads out both at the back and at the front of the trailer entry and exit access ramps for cars.

The process is carried out through hydraulic technology.

According to the lorry type and the customer option, 4 additional skips can be installed at the back of the truck and be added to the device along the trailer.

- Access to the trailer is clearly signed.

The mobile waste disposal collection **MOVING'TRI**:

Its use

- The access to the trailer of the mobile waste collection unit **MOVING'TRI** is reserved for vehicles weighing up to 3,5 tonnes.
- When the user arrives with his car, he drives up to access ramp and stops on the trailer on a marked place.
- The trailer's width easily allows the doors opening without problem.
- Then, the user can start to sort his waste in the appropriate skips.

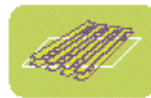
The 6 skips suit to 6 categories of waste :



Metals



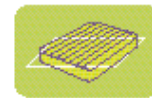
Plants



**Wood
and
wooden
crates**



**Electrical
appliances**



**Fabric-
mattresses**



**Paper
cardboard**

Installed in a village square, district centre, close to flat block or a supermarket (required space : 200 m²), a mobile waste collection unit can stay from few hours to a full day according to users needs and municipality requirements.

Once filled, the skips are delivered to the appropriate collecting organization.

The skips can be weighed thanks to a weighing device on the crane.

The skips can be emptied in two ways:

- Either by manual opening thanks to trap doors located at the bottom of the skip.
- Or by automatic system on the crane.

Who is targeted by MOVING'TRI, the mobile waste collection unit ?

The mobile waste collection unit “**MOVING'TRI**” is mainly used by the large public which can benefit of collection services located temporarily at few hundred meters from their door.

MOVING'TRI has aroused great interest in several kinds of users :

- Local councils
- Different structures (communities of communes, towns, waste management trade unions...)
- Private waste collection companies
- Specialised businesses, which according to new legislation will be obliged to take back electric appliances out of service before selling a new one.

The customer uses the mobile waste collector unit according to his needs.

The municipality has just to keep the inhabitants informed of the days, hours and where is set up the unit and promote its use.



Partners

SEPRA : the inventor company

The concept of the mobile waste collection unit “MOVING’TRI” has been launched by SEPRA.

Mr Aymar de Seroux created this firm, set up in LA BENISSON DIEU, near ROANNE (LOIRE in RHÔNE-ALPES) in 1990.

Local councils for its services regarding sports ground fences very well know SEPRA.

It also diversified in the field of urban furniture.

In partnership with the town of MOULINS (Allier), it in particular developed the well known TOUTOUNET distributor of canine dejections bags.

More than 300 cities are equipped with TOUTOUNET : Paris, Montpellier, Cannes, Antibes, Bourges, Saint-Nazaire, Carcassonne, La Ciotat...

Global trucks, the manufacturer.

The firm GLOBAL TRUCKS is set up in Saint Chamond (LOIRE in RHÔNE-ALPES).

The know how of those two entities (CITEF, manufacturer of trailers and special vehicles, and DIB ENVIRONNEMENT, manufacturer of skips of solid waste, compressors...) allowed the development of the project launched by the inventor.

What do they think of the mobile waste collection unit MOVING'TRI ?

Mr Pierre Trouillet, Sales manager of GLOBAL TRUCKS :

“When the company SEPRA submitted its project of mobile waste collection units to me, I was immediately excited by this alternative to the fixed waste disposal sites and the expensive collection of waste.

It can be a source of significant economy for the users with whom I am permanently in contact: local councils and private services providers.

I was really interested by this project because of great diversity of application which ensures a successful development”.

A user :

“Our town was attracted immediately to this innovation. It makes it possible to solve the problem of bulky waste management or other kind of wastes regularly collected by local councils.

Our mobile waste collection unit will allow us to set up a clever management of this occasional waste.

Its low cost will make this kind of collection popular not only in rural district but also in urban districts.

Regarding its use, we only need a driver and a lorry to pull the whole unit.

Other advantages: as it is mobile, this equipment does not come under the same legislation as fixed waste disposal sites.

The mobile waste collection unit will make it possible the sorting upstream, and make it easier the recycling downstream.

At medium terms, this system will remove wild tip.

It is a very beautiful product to which I wish to be very successful”.

If you want to go further....

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- **CD ROM on request**
 - **Photographs on request**
 - **Visit and functioning of the mobile waste collection unit on request.**