

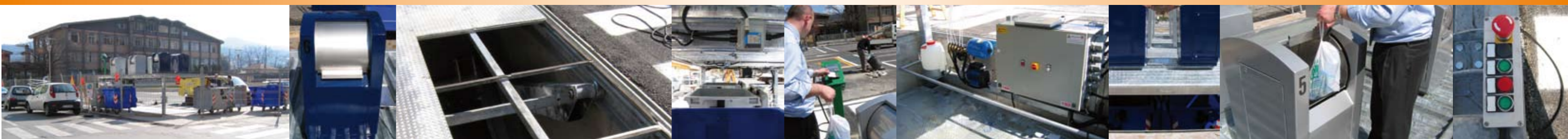
Total Parking and Lifting Solutions Ltd

Suite 129, 70 Churchill Square
Kings Hill, West Malling
Kent ME19 4YU

Tel: 0845 604 3668 Fax: 01732 523404
info@totalliftingsolutions.co.uk
www.totalliftingsolutions.co.uk

ECOWaste

Communal Waste Management Solutions





The Product

Total Parking & Lifting Solutions has produced a new system for the collection and deposit of urban solid waste (USW) within cities and urban communities for residential/commercial areas.

The TP&LS system allows, in its flexible design and dimensions, for the underground collection and containment of differentiated waste collection bins.

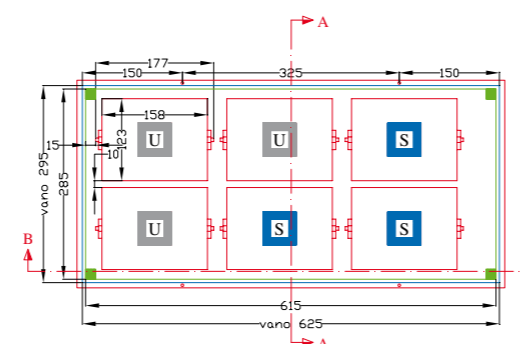
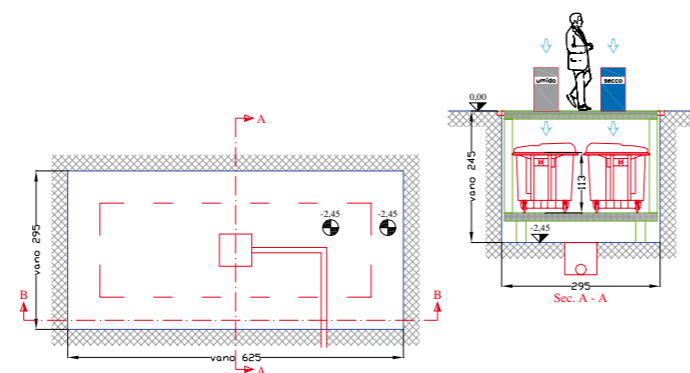
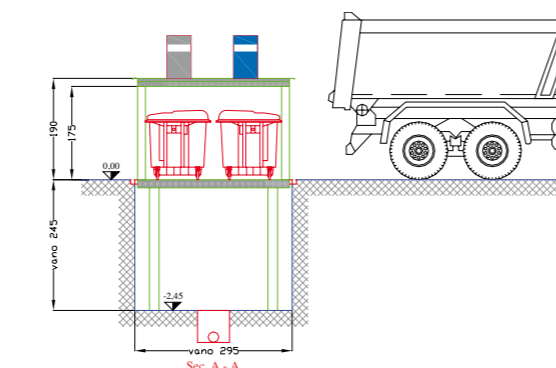
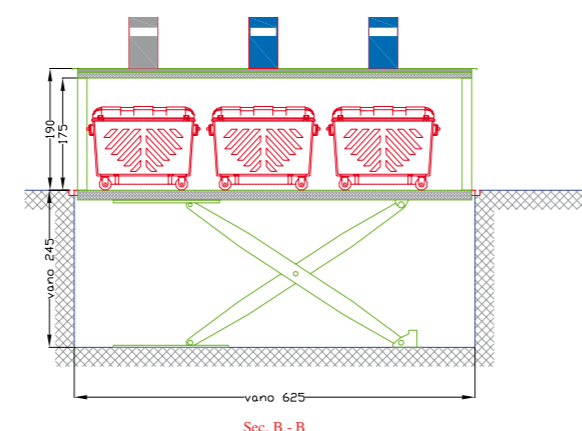
In place of the old system, where different types, colours and sizes of bins are placed at street level, there will be small deposit bins which can be incorporated into the surrounding landscape.

The Procedure

Users of the system will deposit their sorted waste into the small external bins, the waste then falls into the larger skips hidden below street level.

Periodically, the skips are elevated to street level by the refuse collection operators so that they can be emptied, cleaned and disinfected.

This is done by raising the underground platform to street level via a key operated control. Once the operation is complete, the platforms are lowered to their original position and are immediately ready for use again.



Technical Characteristics

Overall dimensions	625 x 295 cm
Platform dimensions	615 x 285 cm
Overall and platform dimensions	The measurements vary with respect to the requirements of the client and the number of refuse skips required.
Height between platforms	< 245 cm
Capacity	4,000 kgs
Structural materials	Galvanised steel
Lift operating speed	3 cm/sec
Hydraulic pump motor	6.0 kw
Electrical supply	3 phase, 415 v
Hydraulic pump unit (size (cm)/position)	40 x 60 x 55 H / within the lift chamber
Electrical control board in secure cabinet	20 x 40 x 50 H
Key control	10 x 10 x 20 H with removable key & emergency stop button
Security/safety	Emergency stop button
Operation	By operator removable key
Platform height control	Electrically controlled to upper & lower limits by PLC & pre-set micro switches
Safety	Flashing light when moving
Supply options - Overall dimensions	Specification based on the requirements of the client
Special finish	By request. Note maximum additional weight not to exceed 80 kgs/sqm
Drainage system	Small drainage duct around the perimeter of the upper platform
Additional safety during operation	Infrared anti-intrusion barrier
Electrical back up system	Available on request

Advantages

The TP&LS system transforms over ground waste disposal to under ground disposal, keeping in line with the principle of differentiated waste collection. The advantages are evident in that:

The skips are stored under ground

The small collection bins at ground level blend into the surrounding landscape

The small collection bins free up space that would normally be required for larger surface positioned skips

The visual impact of waste collection is kept to a minimum

Increased capacity for waste collection can be utilised without impacting on the surrounding landscape

Waste is secure within the under ground chamber and cannot be tampered with or spill out

Increased time between collections due to increased waste skip sizes reduces labour costs

Waste is contained within the differentiated confines.

It is also possible to introduce personalised waste disposal with automatic weighing of USW

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