



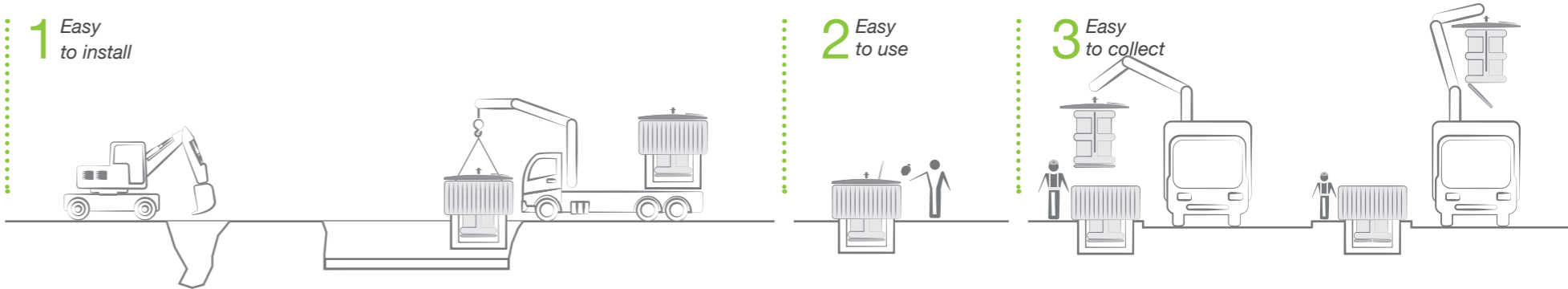
QUBUS E
SEMI UNDERGROUND

sotkon
waste systems

Simple and
efficient.

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The semi-underground solution Qubus by Sotkon translates into the partial installation on the underground of high capacity containers (between 3m³ and 5m³) for the disposal of waste. In this compact system, the top cover and the container are fixed together and both are elevated with a crane installed on the collection vehicles.

Underground, preventing the leakage of leachates and avoiding the contamination of the soil, a watertight concrete bunker housing a high-capacity lightweight polyethylene container.

The container is connected with metallic elements to a polyethylene watertight cover that houses the deposition lid. On the outside of the lid and attached to the container are the lifting mechanisms that can be as different as a double ring, a "mushroom" or a simple hook.

Like all the solutions offered by Sotkon, it is easy to overcome obstacles that may arise during the installation of the equipment on the ground such as pipes or slopes. Being unitary, the installation can be made in various configurations and accordingly to the client needs.

Collection system

- .Single Hook 3/5m³
- .Kinshofer Double Hook 3/5m³
- .Kinshofer Mushroom 3/5m³

* Other capacities on request.

COMPONENTS

Cover

Characterized by simplicity and functionality, the cover that integrates the waste entrance has an attractive and functional design. This part of the semi-underground waste solution Qubus E was designed with ergonomics, safety and sanitation in mind. It is very easy to use, being provided safety in what hygiene is concerned. The dimensions and colours of the opening lids can be modified to specific wastes and rotating drums can be had inside to limit the dumping of refuse. The cover is made of resistant polyethylene. For reinforcement it has several components in which hardy materials and anti-corrosion treatment were used.



Container

Due to the way they were designed, the containers have an exceptional mechanical strength, ensuring that no metallic elements are in contact with the waste. The container body and its lower lids are made of polyethylene by rotational moulding. The metallic hardware it was hot dip galvanized. A small crane placed on the top of the waste collection vehicle is used to lift the 3m³ capacity container up to the rear of the truck where it is discharged with the help of a bin lifter. Open-bottom containers adapt to all existing collection systems.



Bunker

Produced in concrete, the bunker it is a watertight and extremely resistant piece. It was specifically designed to house the polyethylene container that, after packed, applies a considerable weight on the structure. The bunker complies with the specifications of European standards, taking into account any thrust effect. To assure perfect and constant dimensions, the bunker is produced through prefabricated moulds.



External finishing

The aluminum finish has been developed to preserve the appearance and strength of the equipment in aggressive or with great exposure environments. There are other options applicable to the exterior walls, such as additive concrete or wood. Due to its obvious aesthetic features, the Sotkon semi-underground equipment allows perfect integration into the surrounding environment.



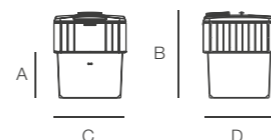
Index:

- a. Lid with waste entrance
- b. Plastic Container
- c. Concrete Bunker
- d. External finishing

Technical Drawings (Assembly)

Capacity	A	B	C	D
3m ³	1170	2160	1875	1875
5m ³	2420	3410	1875	1875

Units in mm (approx values).
These dimensions are not suitable for civil construction.



SOTKIS Intelligent Management Systems

SOTKIS is an integrated management system that provides information about the various processes involved in the waste collection operation. This system was thought to maximize the efficiency of allocated resources and to increase the profitability of service. Using the SOTKIS intelligent systems, the user entity has access to different types of data and information. The filling level of the containers, how to plan the most efficient route, to know the frequencies of depositions and the option to introduce Pay-As-You-Throw (also known as PAYT) systems are some of the possibilities, among others.

