



**QUBUS**  
SEMI UNDERGROUND

**sotkon**  
waste systems

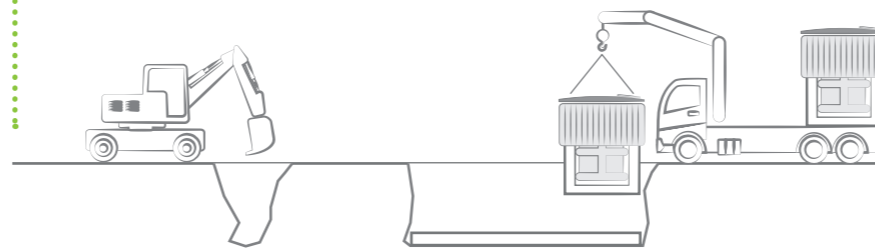
Simple and  
efficient.

**sotkon**  
waste systems

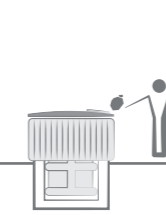
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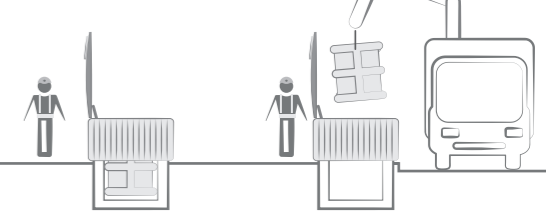
1 Easy to install



2 Easy to use



3 Easy to collect



The semi-underground solution Qubus by Sotkon translates into the partial installation on the underground of high capacity containers (from 3m<sup>3</sup> to 5m<sup>3</sup>) for the disposal of waste. It is a simple system with very low maintenance costs and free of complex mechanisms, particularly in the process of raising the container for collection. This process is carried out with a crane installed

in the waste collection vehicles, which simplifies the procedure and avoids investment in new equipment.

One of the main features of the Sotkon products is their modularity.

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 highly resistant, owns excellent mechanical performance and it is available as a whole (closed) for rear collection or with an opening at the bottom for top collection systems.

Above ground, an airtight and resistant polyethylene lid that houses the deposition opening. The lid it was designed to be handled by a single operative during the collection process. The lifting effort of the lid is resolved by two

**Index:**

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

**Technical Drawings** (Assembly)

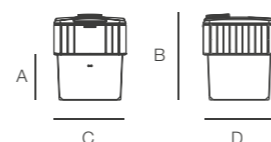
Capacity	A	B	C	D
3m <sup>3</sup>	1170	2160	1875	1875
5m <sup>3</sup>	2420	3410	1875	1875

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

**Collection system**

- .3m<sup>3</sup> Rear Loading
- .Manual Doble Hook 3/5m<sup>3</sup>
- .Kinshofer Doble Hook 3/5m<sup>3</sup>
- .Kinshofer Mushroom 3/5m<sup>3</sup>
- Palpeur 3/5m<sup>3</sup>
- Single Hook 3/5m<sup>3</sup>
- Automatic Hook 3/5m<sup>3</sup>

\* Other capacities on request.



**COMPONENTS**

**Cover**

Characterized by simplicity and functionality, the cover that integrates the waste entrance lid has an attractive and functional design. This part of the semi-underground waste solution Qubus 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 3m<sup>3</sup> 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.



**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.



EASY TO OPEN