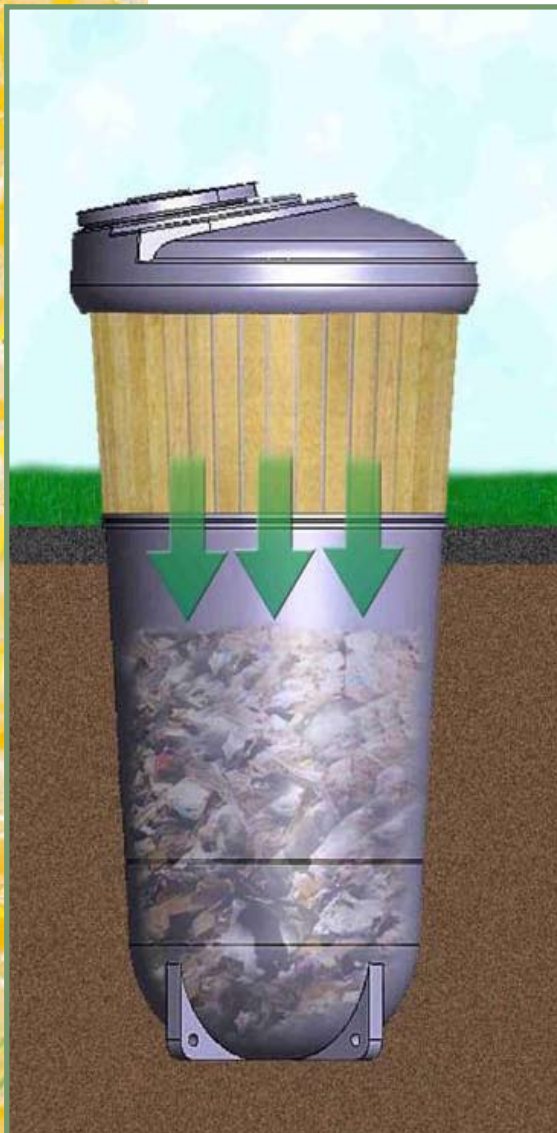


SILO Deep Collection System

A system for all kinds of waste



Hygienic • Estetic • Space saving
Reduced emptying costs

Deep collection system

Silo

Silo deep collection system uses nature's own forces. The cold underground and gravity forces store and compact the waste under the ground. The big capacity reduces the frequency of emptying and limits the risk of overfilled containers. The result is low emptying cost and a hygienic waste management solution.

Saving Space

Since 2/3 of the container is under ground, vital space is saved. The waste is compacted continuously by gravity and by the weight of new waste being disposed. These effects make sure that there are no empty spaces within the waste.

You get more waste in a Silo than in a regular container that is above ground. Tests show that the volume gain is about 50%. The compacting effect combined with the fact that 2/3 of the container is under ground means that the total space saving is huge.



Deep collection system is ideal in narrow block areas and streets. The emptying can be done from every angle and from a distance of several meters. The Silo does not need to be at the same level as the emptying car. These features make it possible to build waste emptying stations where big waste quantities are present and space is already limited.

Hygiene

Silo underground waste management uses nature's own forces. The cold underground and gravity forces store and compact the waste under the ground. The low temperature under the soil that stays between 6-8 degrees reduces the growth of bacteria and thereby smell in the summer. The constant temperature makes sure that the waste doesn't freeze in the winter. Vital for the hygiene is that the emptying happens from the bottom down, and not from the top.

The Silo container is versatile and very solid. When the waste is inside it stays there. Pets and birds don't reach the waste. Since the Silo has big capacity, it doesn't get filled over the top as other systems do. This reduces the phenomenon that people are forced to leave their waste beside the container, where pets and birds tend to drag the waste around and pollute the nearby areas. Problems regarding rats are therefore not existing. Where it's clean, it stays clean. This is why it's always clean around Silo stations.





Stores the waste cold and compacted under the ground!



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Miljø & Sikkerhet has delivered waste solutions in Norway since the start in 1989. Today we supply everything within waste management and street furniture both indoor and outdoor.

We have sold deep collection systems in Norway since 1993. Silo is a product from Finland that is sold all around the planet. Today there are over 1000 Silos around in Norway. Silo is a system with different models with various sizes and technical solutions that makes it a complete system for every type of waste.

If you have questions or wish further information, don't hesitate to contact us!

We promise good service!

Safety

Silo complies with all safety standards in regard to the height and measurement of the opening. The fact that the container is sealed means that no fluids will pollute the nearby soil. Reduced emptying reduces the traffic in the area.

A question we often receive is if the system is safe since it is so deep. We answer that we have never heard of any accidents with Silo. There are no sharp or heavy lids that can harm people. The low temperature makes sure that no harmful gasses develop, and should anyone climb inside there is air enough so that the person can survive until help arrives.

The Deep collection stations do not need support buildings like roofs or walls. Since the containers are not moved under emptying the containers last for many years. The system doesn't need much maintenance and is very solid.

The emptying can be done by normal lorry with crane, compacting waste lorry, lorry with container and hydraulic lid and tractor. The waste can be weighed and correct cost can be calculated.

The horizontal angle of the container makes sure that the waste is compacted by gravity and the weight of the waste above. The total amount of waste that goes in to the container is much more than in a regular container with the same volume.

Big capacity means longer time between emptying. In periods where waste disposal is reduced, you will get a significant reduction in emptying costs because with Silo you only have to empty when it's full, even in the summer. With other systems you will have to empty even if not full because of smell that affects the nearby environment. This is why emptying costs are reduced with Silo by up to 50 - 80 % compared to other waste collection systems.

A vital point in regards to cost savings is that Silo stations need little maintenance, both the containers themselves or the surrounding areas. Big capacity means that there is space enough in the container, and that is why waste does not lie around the containers. People tidy up after themselves because it is tidy when they arrive at the station. The hatch prevents disposal of unwanted waste, and that is why Silo stations never have the problem that people leave sofas, washing machines etc. that is often a problem with other solutions.

Emptying with Quick-system in Oslo



Lorry with container and crane

This is often the most cost saving option when you are emptying many Silos. In comparison with emptying with a waste compacting lorry, the investment is much less. The reasons for this is that the waste is already compacted and a compacting waste lorry is much heavier, and the capacity is the same.



Lorry with container and hydraulic lid in Hamar

Campacting waste lorry

Emptying with compacting waste lorry. The advantage of this is that the emptying can be combine with emptying of other waste systems.



Emptying with compacting waste lorry

Emptying with Quick-System

Emptying with Quick-System goes faster because the lid follows when emptying. The emptying can happen in any of the different ways as described, but you have to use a inner sack if emptying on an open lorry.



Emptying with Quick-System

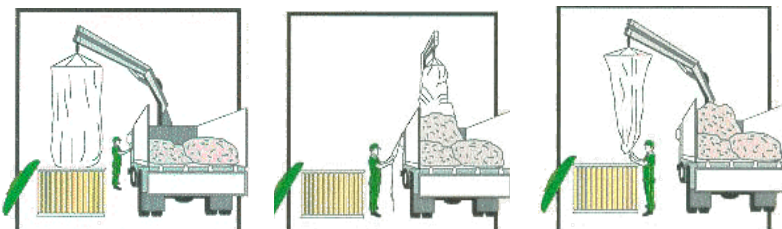
We promise good



Emptying of BioSilo

Lorry with crane

When there are not so many Silos that are to be emptied you can use a normal open lorry with crane. Then you would have to use a inner sack. With a lorry it is easy to reach the containers in difficult environments, for example in mountain areas with cabins. You can empty 6-8 Silos that are 5m³ on one lorry.



News!

We can deliver level calculating system based on ultrasound. The information is sent to PC or mobil when emptying has to be done.

An other possibility is that the Silo is delivered with a hard-container instead of a lifting bag, so that emptying can be done with the use of the Kinshofer-system.

Deep Collection creates a clean environment



Rådyrstreet in Oslo



Condominio in Lillehammer



Condominio in Lillehammer



Sinsen condominio in Oslo



Condominio in Lillehammer



Grubbheia Silostasjon in Mo i Rana



Frognerpark in Oslo



Recreation area

We promise good service!



Hovin



Skøyen Hagen



Hammrestadgaten

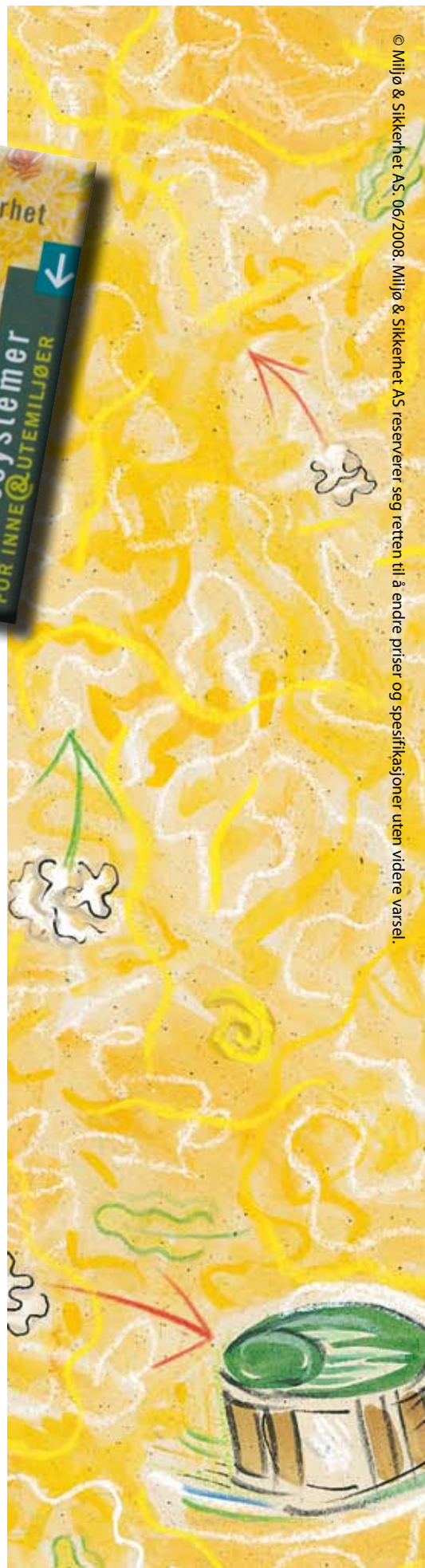


Hovin



Hovin Borettslag i Oslo

Silo do Brazil



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We promise good service!

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