



## Localized automated waste collection system

The preferred automated residual waste solution.  
For projects where residual waste handling is to be  
avoided

Why localized automated waste collection  
system?

## Future-proof your waste management

With Aerbin mobile extraction, you get lower operating costs, a cleaner and better working environment, and the lowest capital cost for automated waste facilities.

### No more manual waste handling

Automated waste facilities like a mobile solution removes or eliminates manual handling of residual waste as it is known today. At inlets either in stairwells or at ground level, the waste is dropped into tanks located under terrain or in the basement, which is why the waste is stored cold. At least once a week, tanks are emptied by a suction truck. The truck is necessary to establish LAWCS. If there is no suction truck available in the area, look at our other solutions Automated waste collection system, or underground solutions.



### Operating costs

With localized automated waste collection system, you save on service staff having to move containers back and forth. Other costs associated with residual waste collection are also reduced, as localized automated waste collection systems are fully automated in operation. Service employees can now spend their time on more important tasks, such as ongoing maintenance, snow removal, gardening, etc.

## The solution for your project

Localized automated waste collection system can service large project areas. The system is dependent on a maximum distance from the vacuum truck suction point to the farthest tank not exceeding 400 m, this can be circumvented by placing several suction points, which is why a modular system like LAWCS can serve an unlimited number of homes.

The system basically only serves the residual waste fraction, which is limited by the local waste collector's options for collection by suction truck.

With a LAWCS, the waste is removed from sight and stored cold and removed more often or as often as the manual method.

## Visibility

LAWCS meets the needs of the discerning project developer/architect/builder who wants a waste solution that removes waste underground and out of sight.

The only visible elements in a fully integrated LAWCS solution will be either inlet stands or chute hatches. Pipes between tanks and the suction trucks docking point are buried, unlike manual collection where the waste is moved above ground.



## Project planning

We specialize in waste and how to get rid of it. By involving us in the design phase, the client is assured that specialists in the field are planning and designing the waste management solution. We have both expertise and experience when it comes to sustainable waste solutions. We are happy to make suggestions for the placement of the systems. Take us on the journey from the start and avoid problems in the design phase.

We are happy to develop and deliver digital components to architects and engineers if these are required in the design phase, and we also offer co-design in 3D for collision control.



## Other information

LAWCS is generally performed for 1 fraction, which is why sorting of other fractions must take place in other units, see our partially underground containers that can serve as a supplement in case of sorting requirements.

The system can be designed with a maximum distance between tanks and docking point of 400 m.



## Capacities

LAWCS must be designed so that tanks placed under the chutes or underground inlets can store 1 week's worth of waste.

The number of tanks determines the capacity of the system, which can be expanded as desired. A system with only one tank and one suction point can serve up to 40 homes, in addition, a desired number of tanks can be connected to increase the number of homes that can be served. Tanks are designed in sizes appropriate for the dimensioned waste volume, but no larger than 6m<sup>3</sup>.



## Why localized automated waste collections system?

- Because you want to avoid garbage trucks in your project area.
- Because you are environmentally conscious.
- Because you want to cut operating costs.
- Because you want to minimize waste management in the cityscape.

## About Aerbin

For many, waste management is synonymous with odors, overflowing bins and large garbage trucks – a common part of the streetscapes and yards, but it doesn't have to be that way. Not at all, if you ask us...

## We are Aerbin

A Danish company with one main purpose: to develop and integrate waste management solutions that serves society money and time – and at the same time ensure a healthy, sustainable foundation for urban areas, housing estates or similar to achieve a greener profile. Waste management is an important part of society, it's common sense to spend time and resources doing it right, the first time.

The company was founded in 2005. we have since installed thousands of tanks across hundreds waste management facilities in new and existing buildings. We saw the added value in automated waste collection system solutions – Both economic environmental and social aspect.

After many years through research, development and testing, we have the necessary knowledge to ensure our customers a reliable system from day one.

## Focus on good collaboration

Although it's a cliché, our customers are always at the center. Our close collaboration with clients, architects and engineers gives our customers peace of mind and guarantees that the best solutions are developed and integrated.

From the very beginning, we have had our own production. We know all the components, which is why we can develop solutions that are future-proof - both in terms of technology and mechanics - such as mobile solutions, compact and fraction solutions. Our waste solutions can service everything from a small residential block to large urban areas. There are almost no limits... We have the right setup to handle all kinds of waste management solutions.

# Aerbin®

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