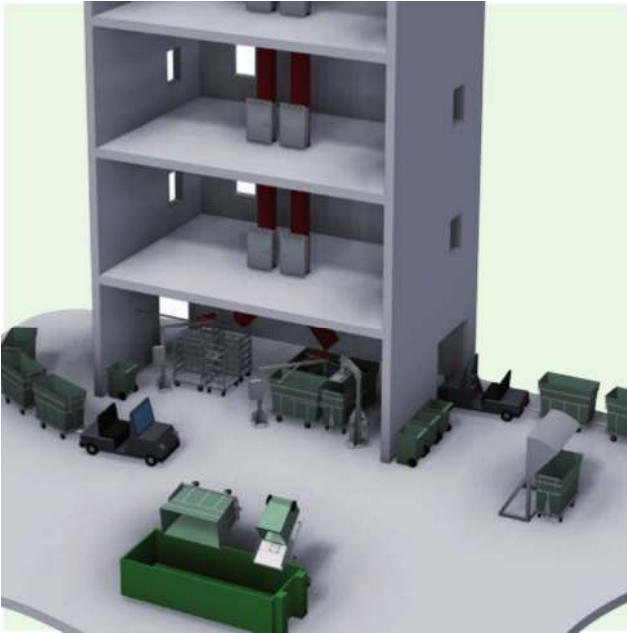


HOSPITAL WASTE LOGISTIC SYSTEM



“Make way
for **waste**”



HOSPITAL WASTE HANDLING SYSTEM

As market leading system, installed in more than 90% of Swedish hospitals, You can rely in our competence. With many years of experience, WTM helps customers in both new- building projects and rebuilding/ renovation projects.

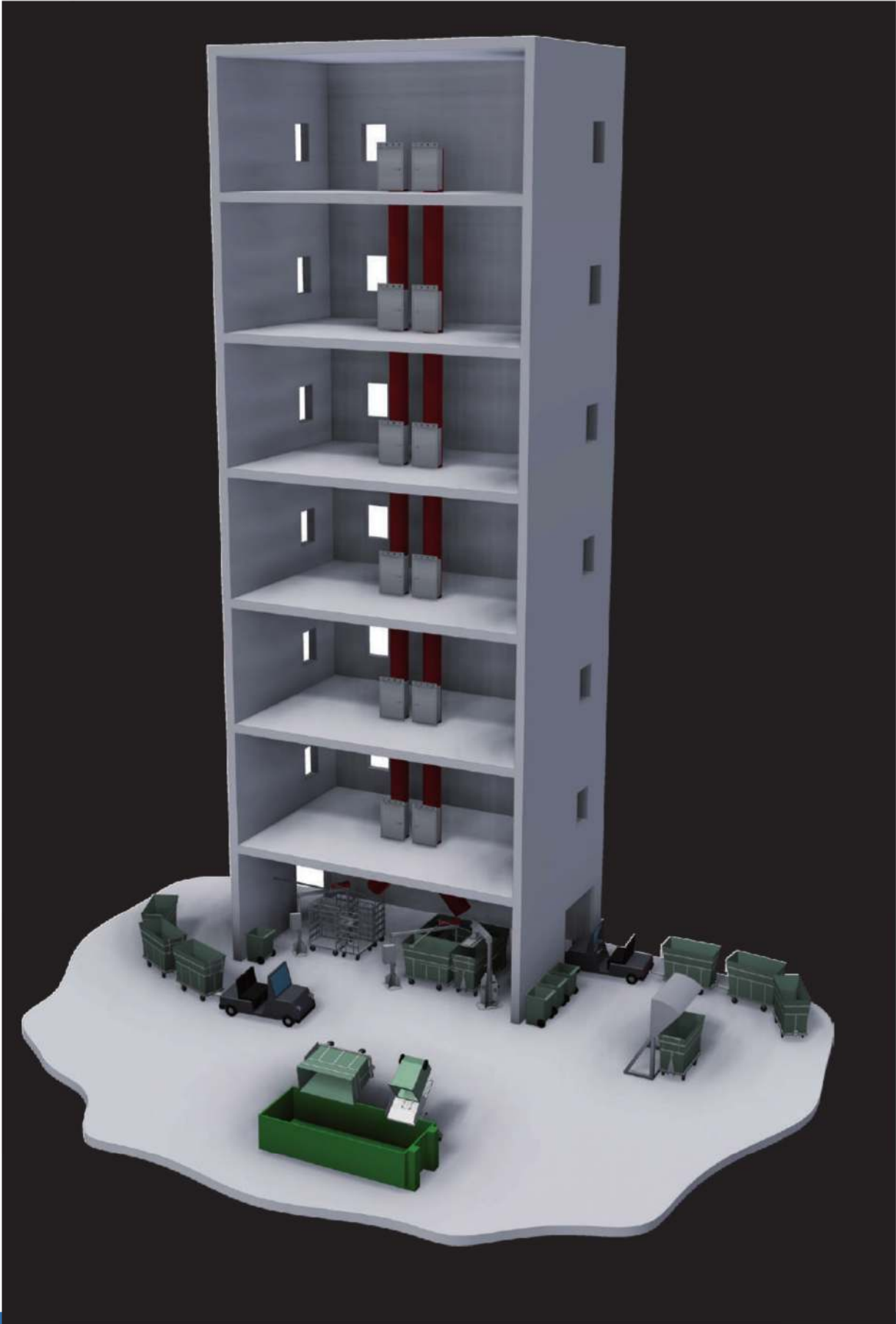
Sorting systems with collection rooms are also used in other environments with similar needs, such as nursing homes or hotel buildings.

WTM supports with:

- Dimensioning
- Design
- Installation
- Training
- Service / Maintenance



OVERVIEW OF WTM COLLECTION SYSTEM





CHUTES and HATCHES

Hatches for garbage disposal on every floor. The doors are only opened by authorized personnel. Opening a hatch locks the other hatches and the signal light indicating that the shafts is used lights up.

This prevents bags from other floors from being thrown simultaneously in the system. The hatch are also locked when the door is opened to the collection room. The laundry or waste bag is placed on the folded sack tip.



Hatch with surface mounted frame in burnished steel profile, including bagtipper, safety gate, electric switch and signal lamp. Hatch dimension 500x700 mm.



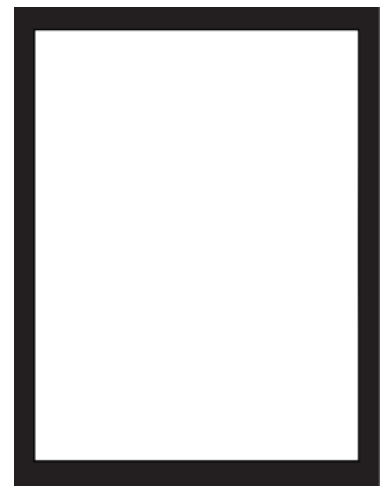
Certified fireproofed hatches



Shaft and brake lane

Chutet with diameter 600 mm, in stainless steel. The shaft is delivered in ready-made sections with floor or wall brackets. At the top, the pipes are fitted with a spigot at Ø 160 mm for ventilation connection. Shaft and accessories are customized.

A stainless steel braking path is connected to the collection room to slow down the speed of the sacks.



SORTING TUBE

When the bags of garbage or laundry gets down to collection rooms, it's important that they get sorted properly. The shuttle switch automatically switches between 2-3 fixed containers carts. It is controlled by a photocell or laser that can detect if the bin/carts is full and then switch to an empty bin / carts.

This is used in small spaces where there is no possibility of installing waste/laundry carousels. The sorting tube can also be controlled from the floor via a control panel.



Conveyor belt

Conveyor belt is solution for narrow spaces or when the ceilings in the collection space are insufficient.

The conveyor start when the hatch opens.

The conveyor may be provided with a flap to direct the material to the correct bin.





WASTE/LAUNDRY CAROUSELS

Used with 4-wheel carts fed with sacks through a shaft. When the trolley cart is full, the photocell indicates and change to the next cart. When the new cart is in the correct position, the system release the locks on the hatches. The carousels can also be equipped with a compactor for garbage This will reduce the collection times.

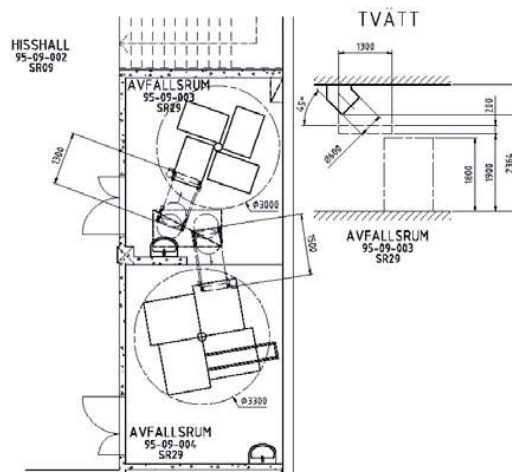
When the door is opened to the collection room, all automatic stops and the doors are locked. If any door is open at this time, this is indicated on the control cabinet screen. After the cart/ trolley has been changed, the system is manually reset and the door closed and the system is re-operated. In case of malfunction, eg open door or full cart/ trolley, this will be indicated on the control cabinet screen. Forwarding of alarms is possible. Signal can be delivered to master systems, type Integra or similar. Can also be exchanged with or sent to central computer systems or mobile phones.



Signal tower outside collection room



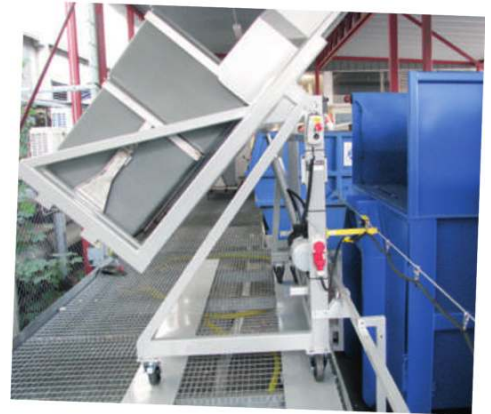
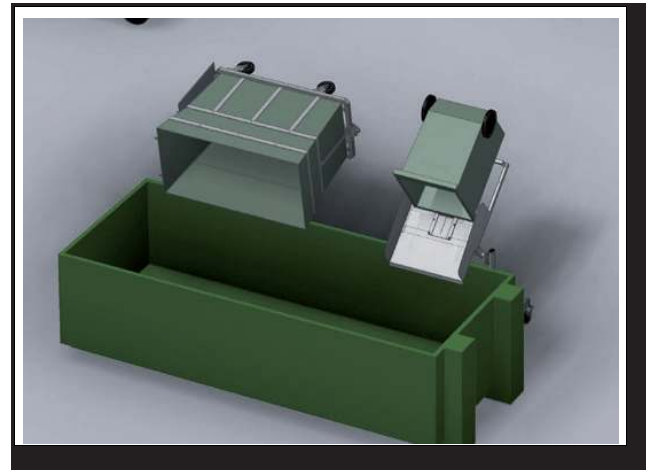
Control unit installed on the wall



Drawing of a carousel in a collection room

BINTIPPER

Cart/trolley systems for handling returned products and waste may require some kind of emptying equipment. We have flexible bintippers that meet the demands of a good working environment and rational handling. The range includes bins for standard size 140 - 660 liters and we can also unload carts for other types of trolleys, containers, pallets, etcetera. The bintipper can be delivered for fixed mounting or fitted with wheels.



BINWASHER

Stainless high pressure washing machine for waste bins and carts/trolleys. Comes with a high-pressure 4-step washing program. The operator selects programs according to current requirements.

The automatic washing process allows the operator to perform other tasks during the process.

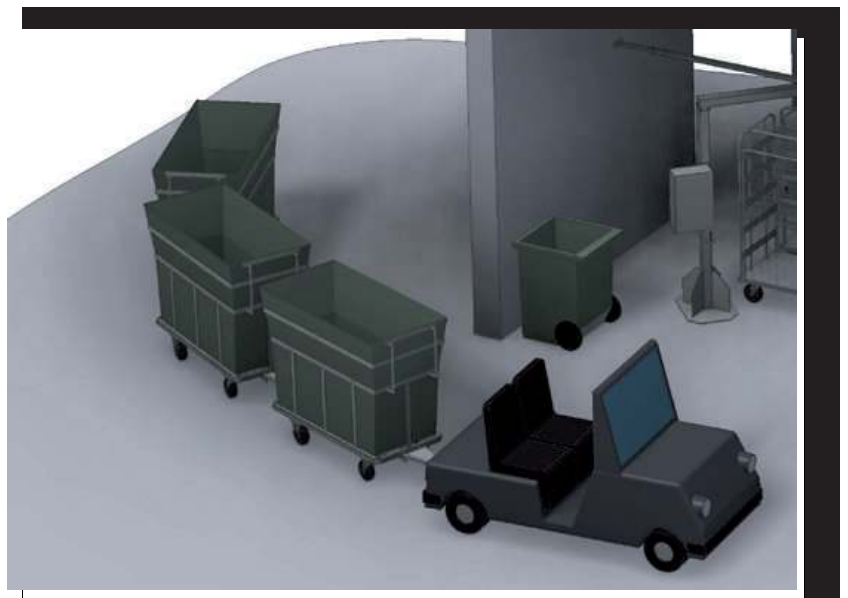
TECHNICAL DATA

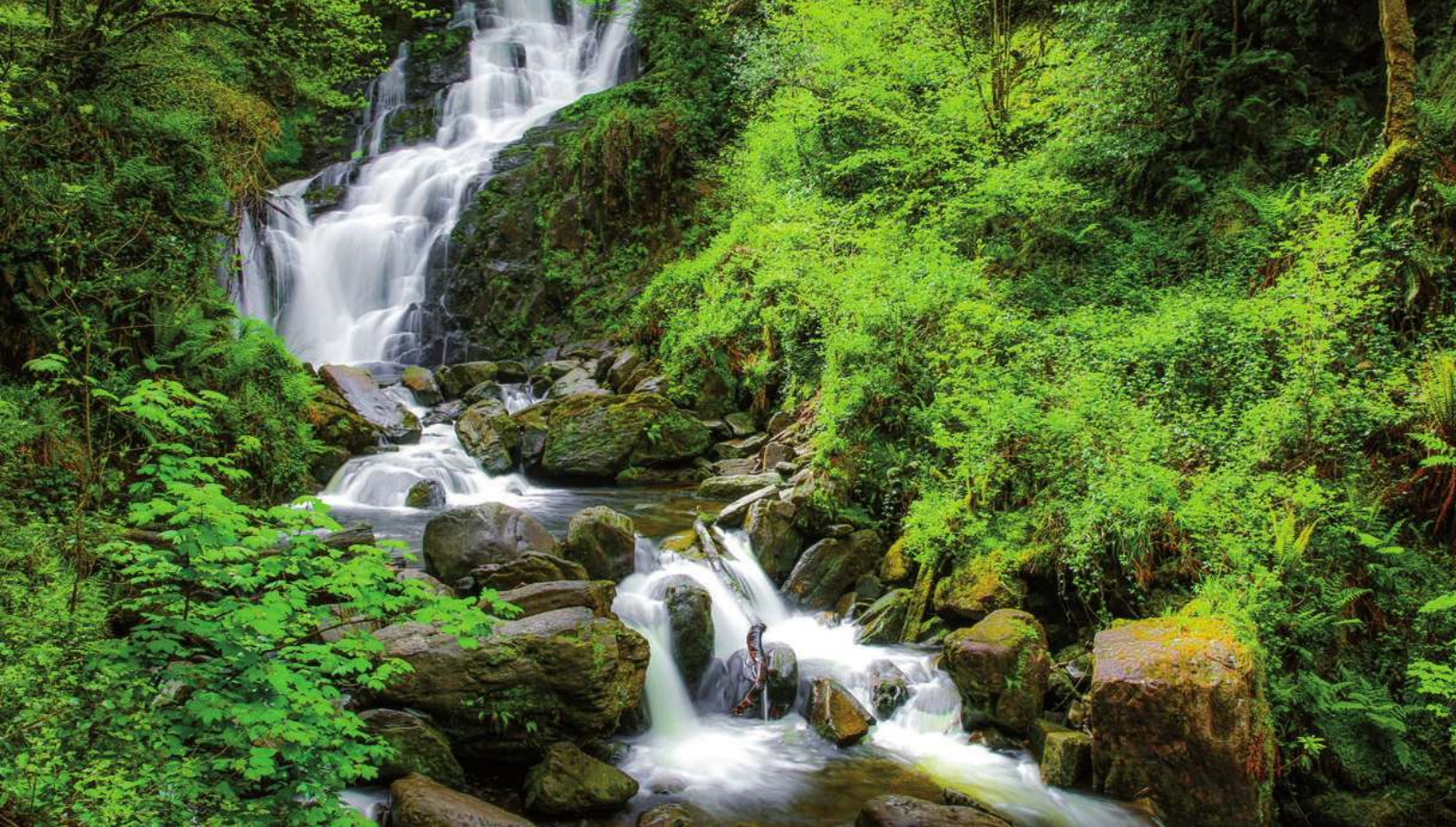
- **Stainless steel rotator with 4 rotator nozzles**
- **Removable filter**
- **Separate spray gun for external cleaning**
- **High pressure pump**
- **Flexible manual time setting**



CARTS & TROLLEYS

To facilitate internal transport in hospitals and industries, there are pulling devices for our 4-wheeled vessels in the sizes of 400-1700 liters. Easy mounting in the carts wheel mountings provides a robust solution. These can also be fitted with forklift tunnels for different types of trolleys. The largest trolleys can also be delivered with reinforced sides, which allows to compact the waste .





From north to south we have gotten a great confidence in providing most hospitals with waste and laundry logistic systems. WTM has delivered qualitative solutions since the 1992. With solid experience of installations throughout Sweden and Scandinavia, we have become the first choice when hospitals need a reliable partner. Together with our partners, we strive for constant development of our systems, which has made us the market leaders. With our modern systems, it is now possible, for example, to send alarms to master computer systems or directly to mobile phones. No projects are too big or too small. Contact us for further advice!

Selected few projects in hospitals

SUS i Malmö, 2001, 2015

Sahlgrenska Universitetssjukhuset i Göteborg, 2005

Universitetssjukhuset i Linköping, 2001, 2006

Karolinska Universitetssjukhuset i Stockholm, 1997, 2000

Västmanlands Sjukhus i Västerås, 2010

Universitetssjukhuset i Umeå, 1996



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