

Caremaster

Pneumatic waste and laundry collection system for hospitals

SWL
Healthcare Ltd

www.swlh.co.uk

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Value proposition

We deliver efficiency gains, better hygiene, and lower operational costs.

Waste and laundry collection is an important part of infection control measures in healthcare settings. Our system ensures quick and easy waste and laundry removal from wards and transfer through hospital, minimizing contagion risks.

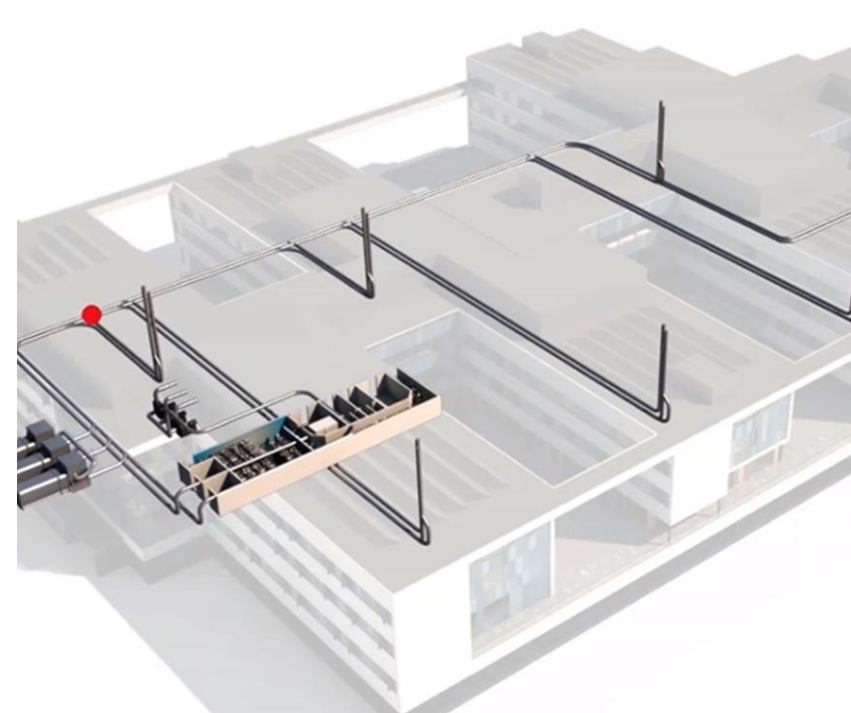
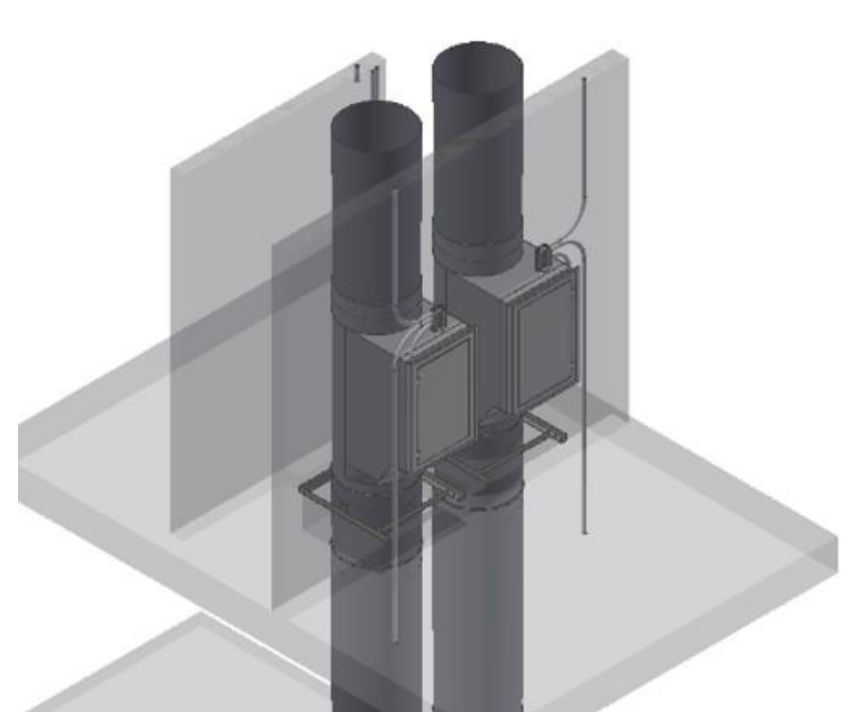
The system saves space, reduces manual work and transmission vectors, and enhances overall patient and staff well-being while improving the brand image of the hospital.



The Principle

The system collects waste and/or laundry bags in indoor disposal inlets and transports them at high speed automatically, invisibly, odorlessly, and hygienically through pipes into an airtight containers located at the hospitals collection station.

The system is designed for waste types that are generated in large quantities, such as household-type hospital waste.



Hospital waste and laundry generation

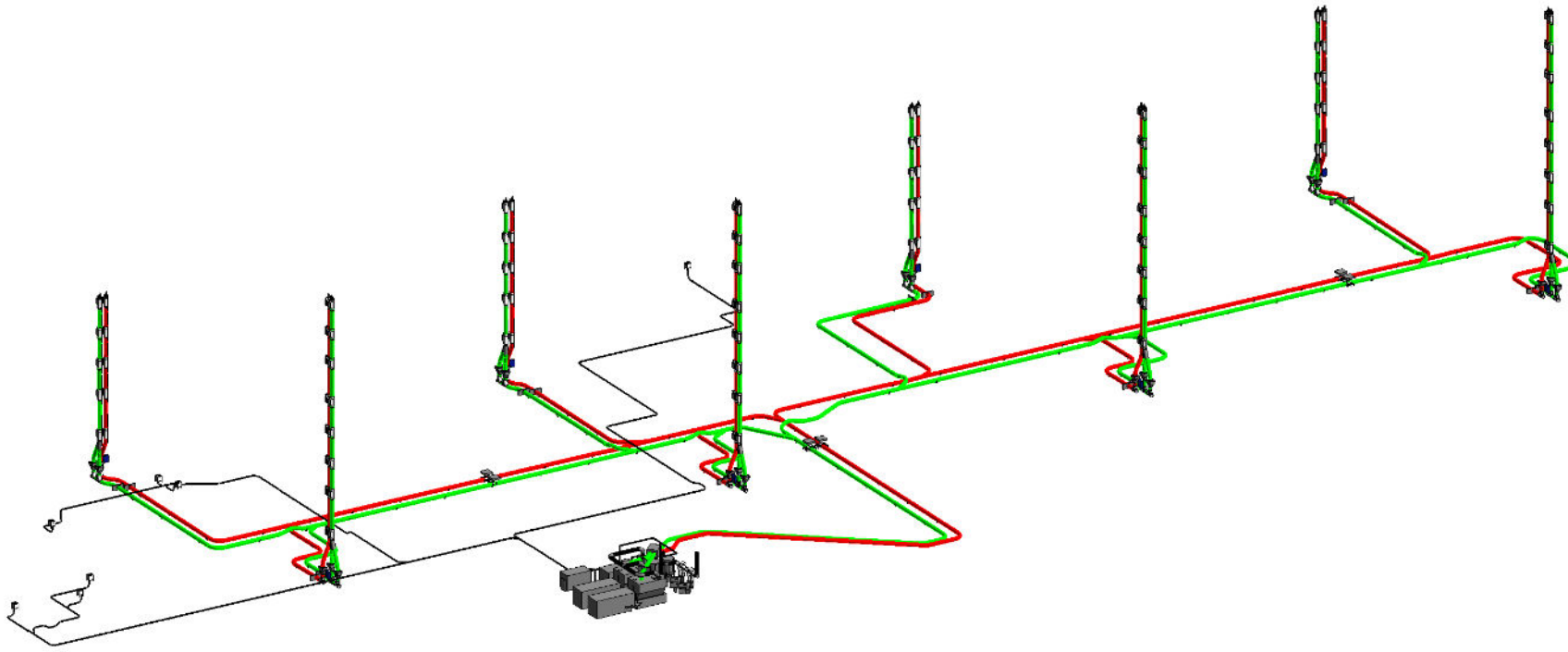
On average a hospital generates 3.3 kg of general waste per hospital bed per day. In addition, the hospital generates about the same amount of laundry.

So, for a hospital with 1000 beds this means 6600 kg of waste and laundry that must be removed from wards each day.

Waste: 420 bags (100 l)

Laundry: 330 bags (100 l)





An example of a system layout

This consists of two systems, one for waste and laundry collection and one for food waste collection



Different pipe installations

Typically DN500 Carbon steel pipes



Remote connection to the control program in MCU through PC, Laptop, Tablet, Smartphone

The control system is a PLC-based system that monitors, controls and operates the entire system without any operator intervention under normal system operating conditions.



Benefits for hospitals



Space Optimization: Say goodbye to large interim storage rooms for waste and laundry bags in hospital wards. Our system eliminates the need for bulky storages, freeing up valuable space.

Improved Efficiency: Experience streamlined waste and laundry removal from wards. Our solution ensures timely and efficient disposal, improving overall hospital operations.

Labour Savings: No more manual labour for transporting bags from wards to central collection stations. Our system automates the process, reducing reliance on manpower.

Benefits for hospitals



Reduced Risk of Infections: Hospital bacteria outbreaks and HAI (Hospital-Acquired Infections) pose significant risks. Our system significantly lowers this risk, enhancing safety within medical facilities.

Waste-Free Environment: Say goodbye to lingering waste and laundry bags in hospital wards. Our system promotes cleanliness and hygiene, creating a safer atmosphere for patients and healthcare staff.

Cost Savings: Efficient space management and reduced labour costs translate to substantial savings for hospitals.

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