

CASE STUDY

ORBIS MEDICAL PARK SITTARD, THE NETHERLANDS



Waste removal for operating theatres for the safe, separate and well-considered removal of instruments, linen and disposable items.

The customer and the requirements

The hospital complex comprises 100,000 square metres, with 12 care departments spread across three floors. With as many as 140 consultation rooms and a 'healthcare boulevard' of 17,000 square metres, this provides reason enough to arrange the logistics effectively and efficiently with safety as the number one priority. The separation of flows.

This means that all goods, patients, professionals and visitors be allocated, as far as possible, their own separate area. The basic starting point is to ensure a strict division between what is clean and dirty.

Therefore, it has been chosen to implement the automatic supply of goods by means of AGVs and the automatic removal of waste from the operating theatres to the waste disposal area at cellar level by means of the Waste Removal System (WRS).



The Solution

The WRS ensures that all dirty goods, such as linen, instruments (58,000 sets/year), SHW, optional fractions, residues and disposable items are fully automatically removed from the operating theatres, correctly separated and arrive at the designated location in the waste disposal area.

They are then destroyed or removed to an external location. After passing through the conditioned waste sluice, which guarantees the preservation of the prevailing air regime, the waste is delivered separately to the waste disposal area by means of a conveyor system.

The waste leaves the expedition centre in the packaging provided for it by the operating theatre. Careful separation at the source is therefore essential. The holding and recovery function rooms in the operating area collect waste on a waste island from where it is then removed by an AGV.



Advantages of the solution

- > separation of dirty and clean items
- > optimal logistics
- > increase in occupancy rate of operating theatre

Swisslog Ergotrans

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Swisslog-Ergotrans bv
Vissenstraat 14
Postbus 2165
7302 EN Apeldoorn
The Netherlands

Tel +31(0)55 368 88 88
Fax + 31(0) 55 368 88 99
healthcare.nl@swisslog.com
www.swisslog.com

swisslog