

CASE STUDY

ST. CLARASPI TAL BASEL, SWITZERLAND



Direct, rapid and safe: optimized, automated material transport – and with that, more time for the patients

The Customer and his Requirements

Claraspital is the largest private hospital in Basel with emphasis on gastrointestinal disorders, oncology and metabolic diseases as well as the specialties of pneumology, urology, oncology, cardiology and orthopedics / traumatology. The Clara hospital is open to all and has a good reputation.

Key Numbers;
> 229 beds
> 9,000 inpatients
> 22,000 outpatients
> about 1,000 employees

The high quality of the medical and nursing care at Claraspital, but also the elevated level of the hotel trade and services meet the highest requirements and are subject to a careful quality assurance management.

This is also reflected in the successful certification by the sanaCERT Foundation.

Early on already, Claraspital was prepared for changes in the health system, especially the introduction of a flat rate per category and converted or adapted its strategic alignment, the organizational set-up and the procedures and processes appropriately. In the course of this process of optimization, Claraspital sought a new solution for the rapid and direct transport of laboratory samples, but also of medicines, patient files and so on.

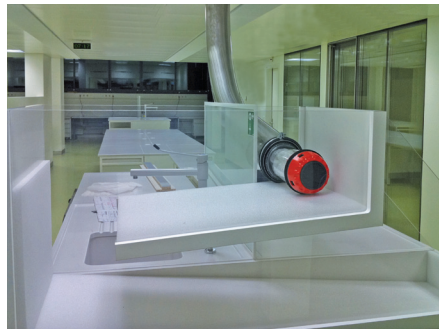
After checking the requirements and demands of quality, Claraspital decided on a Swisslog Pneumatic Tube System.



The solution

Purpose:	Process optimization, rapid transports
Goods transported:	Laboratory material, medicines, patient files
System:	TranspoNet 160
Transports / day:	330 on the average
Departments:	8 + wards
Network:	470 m steel pipe
Stations:	20
No. of carriers:	70
Started up in:	2010

swisslog



The Solution

Samples and, to a lesser extent, also materials are transported internally in the Claraspital on a high-speed network of the TranspoNet Pneumatic Tube System.

- > 8 meters per second
- > 20 sending and receiving stations
- > 70 leak-proof carriers for safe transport

High-speed connection for these departments:

- > Laboratory
- > Pharmacy
- > Emergency room
- > Operating room
- > Recovery room
- > Intensive care station
- > Functional diagnosis
- > Pneumology
- > Cardiology
- > All 11 care stations

Materials transported:

- > Laboratory material
- > Medicines
- > Small medical equipment
- > Patientenakten
- > Printer cards, phone cards
- > Consultation forms

Meeting the requirements of the laboratory, which receives 200 to 300 shipments daily, a receiving station was installed there, which permits not only the carriers to be ejected gently, but also permits the biomedical analyst to receive the shipment directly while seated at his/her workplace.

Automated transport instead of marathon for the employees

- > On average, 330 transports per day
- > Up to 500 on busy days

How many kilometers does the average employee have to cover, if all these transports have to be made on foot!

Swisslog's Scope of Services

- > Support in the design of the concept
- > Planning and layout of the tube network
- > Installation without interfering with the running of the hospital
- > Programming and control software
- > Training
- > Maintenance agreement

The Benefits

- > Making life easier for the employees, less manual transports
- > More time for taking care of patients
- > Samples quickly available
- > Time and costs saved by automation
- > Subsequent extensions possible because system is modular

«The new pneumatic system makes many trips unnecessary, shortens procedures and contributes to more time for the employees to concentrate on their core responsibilities: the care and treatment of patients.»

Trix Sonderegger, lic.phil.I
Communications Officer
St. Claraspital

Swisslog AG
Healthcare Solutions
Webereiweg 3
5033 Buchs / Aarau
Switzerland

Phone +41 62 837 41 41
healthcare.ch@swisslog.com
www.swisslog.com