

Highly efficient for users and administrators:

HELIOS Klinikum Berlin-Buch connects a hospital wide network with FUTRO Thin Clients under eLux



»Easy to administer, flexible and secure to work with, high efficiency:
We can achieve all of those goals with the FUTROs. Not to mention the
great cooperation with our partners that makes it possible.«

Thomas Posner, Project director, HELIOS Klinikum Berlin-Buch

→ The Customer

HELIOS Klinikum,
Berlin-Buch

www.helios-kliniken.de

→ The Project

Setting up a Thin Client infrastructure under Citrix that is easy to administrate and user-friendly

→ The Solution

FUTRO Thin Clients with eLux, Cherry keyboards to read-in insurance cards, and Smart Cards for verification and capture of work sessions to other systems

Administration with SCOUT NG

Partners:
GSD – Gesellschaft für Systemforschung und Dienstleistungen im Gesundheitswesen mbH and UniCon Software GmbH

The HELIOS Klinikum Berlin-Buch opted for the integration of FUTRO Thin Clients under embedded Linux (eLux) in their existing Citrix landscape. The goals were among other things substantially easier administration, more security during data transmission as well as flexible, user-friendly workplace systems. Together with our partners GSD and UniCon, an individual solution was realized, which for instance integrates the insurance cards, and deploys Smart Cards so that work sessions can be easily captured to other stations. HELIOS Klinikum Berlin-Buch will install about 700 FUTROs by the end of 2005.

Some facts about HELIOS Klinikum Berlin-Buch

The HELIOS Klinikum Berlin-Buch has 1,071 beds and includes the Klinikum Buch, a maximum care hospital, the Robert-Rössle-Klinik for tumor disease and the Franz-Volhard-Klinik for heart and circulatory illnesses in the Charité, Medical University Berlin, Buch Campus. Over 37,000 in-patients and 160,000 out-patients are diagnosed and treated with high levels of medical skill and care. The special clinics and departments work together on an interdisciplinary basis and share the same modern medical technology. Berlin-Buch is a significant location for health and medical research with a tradition and a future in Germany today.



Advantages for the HELIOS Klinikum Berlin-Buch

- Remote-Administration and support saves time on the far-flung hospital grounds
- Reliable data protection with secure communication between Thin Clients and Server
- Higher availability
- Flexible, secure work with Smart Cards and Smarty-Software
- Increased performance

The solution overview

- 700 FUTRO Thin Clients B220, B230, S220 with eLux, Token Ring card, Cherry keyboard 1502, Smart Cards and Smarty-Software
- Operating system: Windows 2003 Advanced Server
- Applications: among others Citrix, i.s.h. med, Office, SCOUT NG

FUTRO makes information management easier and more secure

Optimal work conditions for the employees and easy administration: Those are two special strengths of the new FUTRO Thin Clients, which the HELIOS Klinikum Berlin-Buch uses in their Citrix infrastructure. Because the slender computers are the perfect tools for efficient, secure information management in the HELIOS Klinikum, which next to i.s.h. med from GSD—a completely integrated in-house clinical system solution based on mySAP™ Healthcare—uses among others Office and other hospital specific applications. The FUTRO system concept is thereby able to do without the superfluous equipment that characterizes normal PCs and can therefore optimize the server-based work. For instance the FUTRO eLux operating system (embedded Linux) is stored in a Flash storage and thanks to a write-protected file system is immune to unauthorized changes. Do not look for a ventilator because the operation is more reliable and the work less stressful when it is quieter. In addition, FUTRO offers extensive connectivity and intelligent administration tools. That ensures that the administrators are as comfortable with FUTRO as the users. The key here is SCOUT NG, which remotely and comfortably administers the Thin Clients. And given the extent of the far-flung HELIOS Klinikum grounds, that saves a lot of back and forth and thereby time and money: The configuration of new systems as well as updates or system controlling can be centrally implemented.

One special feature this project has consists of a procedure that everyone knows who has gone to the doctor: One submits his insurance card at the reception, the card is inserted in a Cherry keyboard with a chip card reader, a button is pushed, and the patient's data appears on the monitor. The only problem is that Thin Clients just send keyboard and mouse commands to a server and do not actually generate data records. To begin with, in order to read insurance cards, the operating system was optimized in collaboration with the clinic and our partner, UniCon. In a trial of several months the solution proved its feasibility in the day to day routine in the hospital. The users were also convinced by the advantage of another solution component: the deployment of Smart Cards with Smarty-Software, which guaranteed the reliable verification and made possible the capture of work sessions to different work stations. The HELIOS Klinikum Berlin-Buch has already installed 150 FUTROs and will have installed 550 more by the end of 2005. The advantages for administration, security and flexible use by the users will be paid back in full in this reference project for other HELIOS clinics.

The HELIOS Kliniken GmbH, with headquarters in Fulda, with a turnover of over 1.1 billion EUR, is one of the largest private owners of acute care clinics. The company currently owns 25 clinics, among them hospitals for maximum care in Erfurt, Berlin-Buch, Wuppertal and Schwerin.

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