

Foto: Universitätsklinikum Hamburg-Eppendorf (UKE)



Sophisticated access solution with mechatronic elements

Hamburg-Eppendorf University Hospital



Europe's most up-to-date hospital places its trust in primion

Hamburg-Eppendorf University Hospital chooses mechatronic components

The Hamburg-Eppendorf University Hospital brings together 81 clinics and institutes from many different medical disciplines. With annual revenues of 720 million Euro and around 1,500 beds it is not just one of the biggest facilities of its kind in Germany. It also stands as the most up-to-date hospital in Europe, offering the most innovative diagnostics and therapies, thanks to the close networking of research and teaching.

A sophisticated access management system secures the complex logistical processes for 2,000 doctors and scientists, around 330,000 patients a year as well as 3,200 students of medicine and dentistry.

Over 3,500 doors are secured

Over half of the buildings that make up the campus are equipped with technology from primion. Some 3,700 doors are secured by an access control system of which about 3,000 are fitted with mechatronic off-line components, in the shape of cylinders and door terminals. Using so-called Master readers that have been installed at certain main entry points, hospital staff can update their corresponding access rights, which are written onto their access cards when presented to the reader.

More than 17,000 person records

Currently, the access rights for more than 17,000 person records are recorded and administered in the system. The so-called UKE Card is personalised through a credential creation system to include the holder's photograph and is used as a means of identification throughout the hospital site. A customised access authorisation concept was developed, in order to be able to cater for the special challenges that a hospital presents to an access control system. 24 hours a day, 365 days a year, FKE, the UKE's Facility Management Company, ensures that everything runs smoothly, both technically and from an organisational standpoint. Both the availability of the infrastructure and operational security have to be guaranteed at all times. Daytime and night-time door control schedules and a special online monitoring were further challenges that the primion system was faced with.

The person data is provided to the primion system by a primary SAP HR system indirectly, through an upstream Trust Centre. For this purpose, developers from primion worked together with the UKE to create an interface that supplies the person data in an anonymised form to the access system. This was required as a result of the high demands laid down by data protection legislation.

High-security read technology

UKE started the planning phase for the demolition and rebuild of the largest central building on the hospital site back in 2006. At this time, certain fundamental decisions were taken about the access management requirements. The need to be able to control the flow of visitors, in order to protect people, materials and sensitive areas, was given a high priority because of the large number of people who are at large in the corridors of the hospital at any one time. A year later, the hospital board decided to deploy the high-security LEGIC advant[®] RFID read technology in the staff identity badges. In January 2009, the inauguration of the new building as "Europe's most up-to-date hospital" was celebrated.

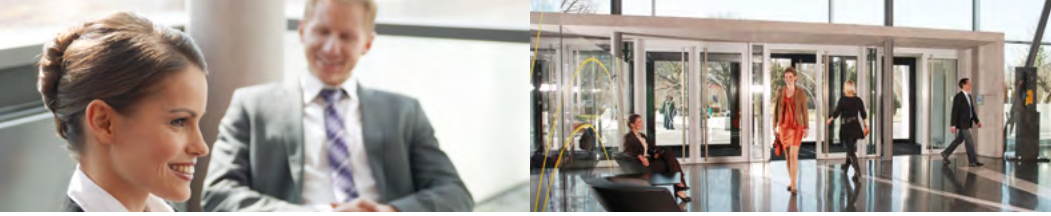


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John Rainer Maack, HVAC and Security Manager (left); Alf Rehbock, Deputy Team Manager, Vehicle and Mechanical Engineering (right).

John Rainer Maack, HVAC and Security Manager:
“We certainly made the right decision when we decided to partner with primion on this project”.



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