



Communication helps to heal

The DRK-Kinderklinik Siegen

Feel more at home in hospital

The main building of the largest specialist clinic for children and young people in the country has been completed in Siegen. A generous layout combined with the use of warm colours ensures the young patients feel very comfortable here. At first glance, the building does not give the impression of actually being in hospital. However, there are 600 employees on the DRK-Kinderklinik

site caring for over 7,000 in-patients and 16,000 out-patients per year. As well as wards for premature and newly-born babies. There are sections for children requiring permanent artificial respiration; an intensive care unit and departments for surgery; neurology and psychosomatics. The building also accommodates a social paediatrics centre.



Building management in the DRK-Kinderklinik Siegen at a glance:

- System clino phon 99
- Access-controlled doors (newborn baby ward)
- Access-controlled hygiene-sensitive areas (laboratories, theatres etc.)
- Fire protection in patient and staff rooms, as well as IQ8Quad fire detectors and IQ8 manual call points in the corridors
- Aspirating smoke detection system for highly-sensitive areas
- Monitoring and controlling of all systems via the hazard management system WINMAG
- Planned: video surveillance of outside facilities and helicopter landing pad



clino phon 99 facilitates communication ...



while the IQ8Control maintains an overview of ...

**Child protection package:
complete interdisciplinary concept**

Long-term planning was of key importance when designing the new building for the paediatric clinic. The single-sourced complete concept covers all areas of building security and combines the needs of the young patients with the actualities of the building. In addition to the clino phon 99 call system, access control as well as fire and intruder detection systems were installed. The latter two systems operate via a common network. An interruption tolerant and short-circuit tolerant analogue loop supplies the numerous periphery elements: fire detection is provided in the patient rooms by the IQ8Quad fire detector, and in the corridors and in the staff rooms by new IQ8 manual call points. This complex technology all comes together centrally in the new hospital building and is protected by the installation of additional highly-sensitive aspirating smoke detection systems that guarantee early alerting and prevent false alarms.

Intelligent interfaces enable the clino system to be linked to other systems, thereby securing the forwarding of all patient calls and warning messages to mobile DECT

phones. All systems are easily monitored and controlled via the hazard management system WINMAG using a standard operator interface.

Always stay in contact

The individual operational requirements of the hospital played a significant role in the integration of the different systems. The staff must be informed about incoming calls and messages at all times, in order to be able to react as quickly as possible. This is ensured by the use of the clino phon 99 system. All calls and messages of the call system, as well as fire and intruder systems, are also indicated on mobile DECT phones via the telecommunications system. The system saves the staff unnecessary work, since the calls can be dealt with in digital speech quality via the mobile phones. For the clinic it means an optimal cost-benefit ratio due to the use of long-life individual components. The entire concept has already proven itself in continuous operation and this has been confirmed by the administration management of the DRK-Kinderklinik Siegen: the planned video surveillance of the outside facilities and the helicopter landing pad will complete the all-round protection.



... the aspirating smoke detection system ...



... the IQ8 manual call points ...



... as well as the IQ8Quad fire detectors.

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