

Industry: Medical

Client: Fresenius Medical Care

Application: IP Intercom, Access control, Time & Attendance

Solution: smarti[®] Diadem, Felix and Electra solutions for IP video intercom, Access control and Time and Attendance based on facial recognition

Case Study

Fresenius Medical Care implements TAB Systems Access control, Time & Attendance and IP video intercom solution based on facial recognition



Fresenius Medical Care

The Customer

Kidney diseases impose a great challenge on all people involved - first of all of course, on the patients and their families, but also on physicians, nurses and dieticians.



To maintain quality of life and extend life expectancy for patients suffering from kidney diseases, Fresenius Medical Care have dedicated their efforts to continually improve

patient's treatment and clinical outcomes. As a result, more than 215,000 patients worldwide are efficiently treated every day with the high-standard dialysis machines in 2,599 Fresenius Medical Care's dialysis centers.

5 of these centers are located in Slovenia and operated by Fresenius Medical Care Slovenia. For their new dialysis centre which was finished in the year 2011 they needed a high-tech video intercom access control and time and attendance systems preferably bundled in to one solution based TCP/IP.

The Solution

To meet Fresenius Medical Care's challenging requirements of an integrated access control,

time & attendance and video intercom system for their newest facility which would be easy to use for the receptionist, TAB Systems **smarti**[®] facial recognition system was used. TAB System, was responsible for design, installation and maintenance of the project.

In the reception we installed our **smarti**[®] application and the **smarti**[®] intercom application on the receptionist's computer for quick administration of the system and for video intercom connections the receptionist can open all the doors which are controlled by the **smarti**[®] system from his computer via the **smarti**[®] intercom application.

We installed a **smarti**[®] Felix unit on the main entry to the building. This unit is used by visitors and patients for video intercom connection with the reception. The unit is also used for access control and time and attendance by the employees of Fresenius Medical Care.

The second unit is installed on the entry for food delivery. Here we installed a **smarti**[®] Electra unit. The unit is used by the delivery personnel for intercom connection with the reception. Some of the employees can also use it to gain access to the building (PIN recognition).

The third unit is installed on the first side entrance. This entrance is used for patients with special needs. Here we installed a **smarti**[®] Electra unit. The patients and/or their attendants use the unit's intercom function to gain access to the building. Some of the Fresenius Medical Care staff can also use this unit to gain access to the building

(PIN recognition) this is mostly the case when a patient needs additional help.



The fourth unit is installed on the second side entrance and is used in a similar way as the third unit.

The fifth unit is a **smarti**[®] Diadem unit. This one is installed on the service entrance. This entry is used by all employees of Fresenius Medical Care to gain access to the building and for time and attendance purposes (e.g. to check in to work or check out from work). The secondary function of this unit is the video intercom connection to the reception.



The sixth unit is a **smarti**[®] Electra. It is installed on the entrance for deliveries. It is used by the delivery personnel to communicate with the reception through the intercom connection. Some of the employees of Fresenius Medical Care can also gain access to the building on this entry by using their PIN code.



We installed a dedicated **smarti**[®] server to which all of the above units are connected through TCP/IP. The server acts as the main controller and the central database for the system. All events that happen on the units are recorded with a date and time stamped photo and a description of the event. The system administrator also has a **smarti**[®] client application installed on his computer so that he can administer the system and review the events.

With the **smarti**[®] system Fresenius Medical Care gained the ability to securely control access to their new building and to gain more control over staffing with the integrated time & attendance solution. Although Fresenius Medical Care implemented a high level of security and control over who enters the building the patients, visitors and delivery personnel can still enter the building easily and without hassle because of the **smarti**[®] systems integrated video intercom solution.