01 The investment for the reconstruction of the hospital complex of the University Hospital Sveti Duh and the extension of the outpatient hospital with solving the parking needs of the hospital is worth over 200 million HRK

Sveti Duh University Hospital

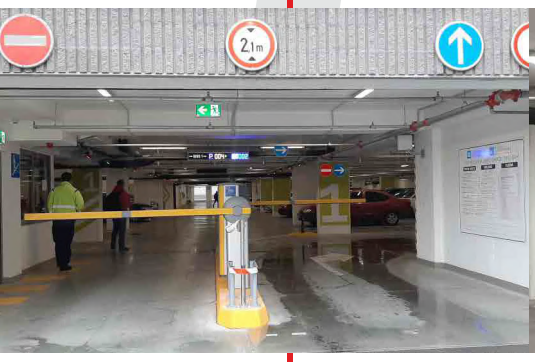
Sveti Duh University Hospital started work in 1804, which makes it the oldest hospital in Croatia, covering about 300,000 inhabitants of the city of Zagreb.

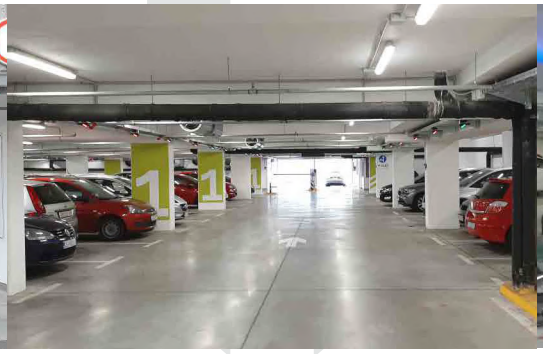
Healthcare institutions require a high degree of efficiency and effectiveness, and monitoring the latest trends can help them achieve not only the highest level of safety but also better patient care with a significant relief for healthcare professionals.

During the reconstruction of the hospital complex of the University Hospital Sveti Duh, the outpatient hospital was upgraded and the parking needs of the hospital were solved; an investment worth over 200 million HRK. Eccos implemented and integrated various safety and security systems in its own Epsimax central surveillance application: video surveillance system, access control, intrusion detection system, time and attendance, fire alarm, gas alarm and fumigation systems, hospital communication system and hospital signalling system, and a clock system, and it also installed a system for monitoring parking spaces and routing and parking billing

Hospital communication system and safety and security systems

A complete security solution for the hospital has been achieved by integrating the hospital communication system and the Eccos Epsimax security platform, through which all the mentioned implemented systems are managed through one user interface. The biggest challenge was in uniting or integrating all systems into a single unit.





02 The public underground garage, although located below the new outpatient hospital building, has almost 500 parking spaces on four storeys

Safety and security systems cover all important common parts of the building: entrances to the building, waiting rooms for patients, corridors for employees, elevators, staircases and driveways and main corridors in the garage. Built-in technical protection systems are primarily intended for the protection and safety of employees, patients, visitors and the facility itself, and their integration enables quality and fast monitoring, control and recording of passages, subsequent search of previous events with associated recordings, etc.

The implemented hospital communication system is based on the most modern IP technology that supports communication between healthcare professionals and the patient at the level of rooms, beds, or the patient themselves. In addition to communication terminals, other multimedia content, such as the telephone, television, and the Internet are also supported, which combines several conventional systems into one system.

03 Modern communication systems for hospitals are the basis for establishing a safe health facility

In addition to the current ability to monitor the status of elements of the technical protection system, an innovation in the project is the ability to monitor the entire hospital signalling live in digital display using the interactive map module of the Epsimax application. Alarm signalling is displayed by changing the status of the element, which allows you to highlight the exact location of the event, whether it be a patient call, opening an individual door and the possible detection of a threat such as fire. Such information gathering on a single platform accompanied by a graphical display offers a comprehensive overview of all activities, and managing the elements directly on the map raises the likelihood that all appropriate measures will be taken to prevent an unwanted situation.

04 The implemented hospital communication system is based on the most modern IP technology that supports communication between healthcare professionals and the patient at the level of rooms, beds, or the patient themselves

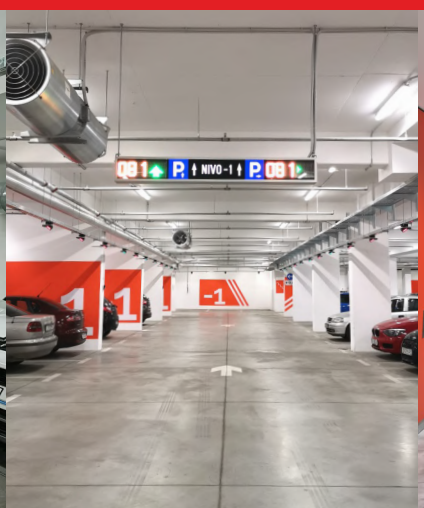
A garage equipped with state-of-the-art systems monitored by the Epsimax platform

Even though it is located under the new building of the outpatient hospital of the University Hospital Sveti Duh, it is a public underground garage with almost 500 parking spaces on four storeys, which also houses charging stations for electric vehicles and parking spaces for bicycles.

The garage itself is equipped with state-of-the-art systems monitored by the Epsimax platform, which include carbon monoxide concentration systems, chain automatic ventilation control, fire alarm system, fumigation, and event warnings and escalations are also visualized on an interactive application map.

The garage has an automatic payment system as well as central control, which means directing the driver on how many free spaces there are in their direction of movement, and at the same time, it can also be seen and how many free parking spaces there are on the storeys cumulatively. This is achieved by sensors installed above each parking space, which, in addition to announcing the status of the parking space in different colours, indicate the status (free, occupied) or space type (disability, family, for electric vehicles). Payment for the parking ticket is possible, in addition to cash and bank cards, via text messages and the mobile application ZgPark.

The system also has built-in cameras for recognizing license plates, which allows users faster vehicle flow; exit from the garage without placing the card in the terminal, the possibility of announcing a vehicle according to its license plate and free entry of announced vehicles into the garage, and the integration of the system into the Epsimax application allows monitoring of vehicle passages and makes, e.g., finding the entry time in the event of a lost card easy.



05 The garage has an automatic toll collection system, a central control system that involves directing the driver, and built-in cameras for recognizing license plates allow for faster flow of vehicles

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