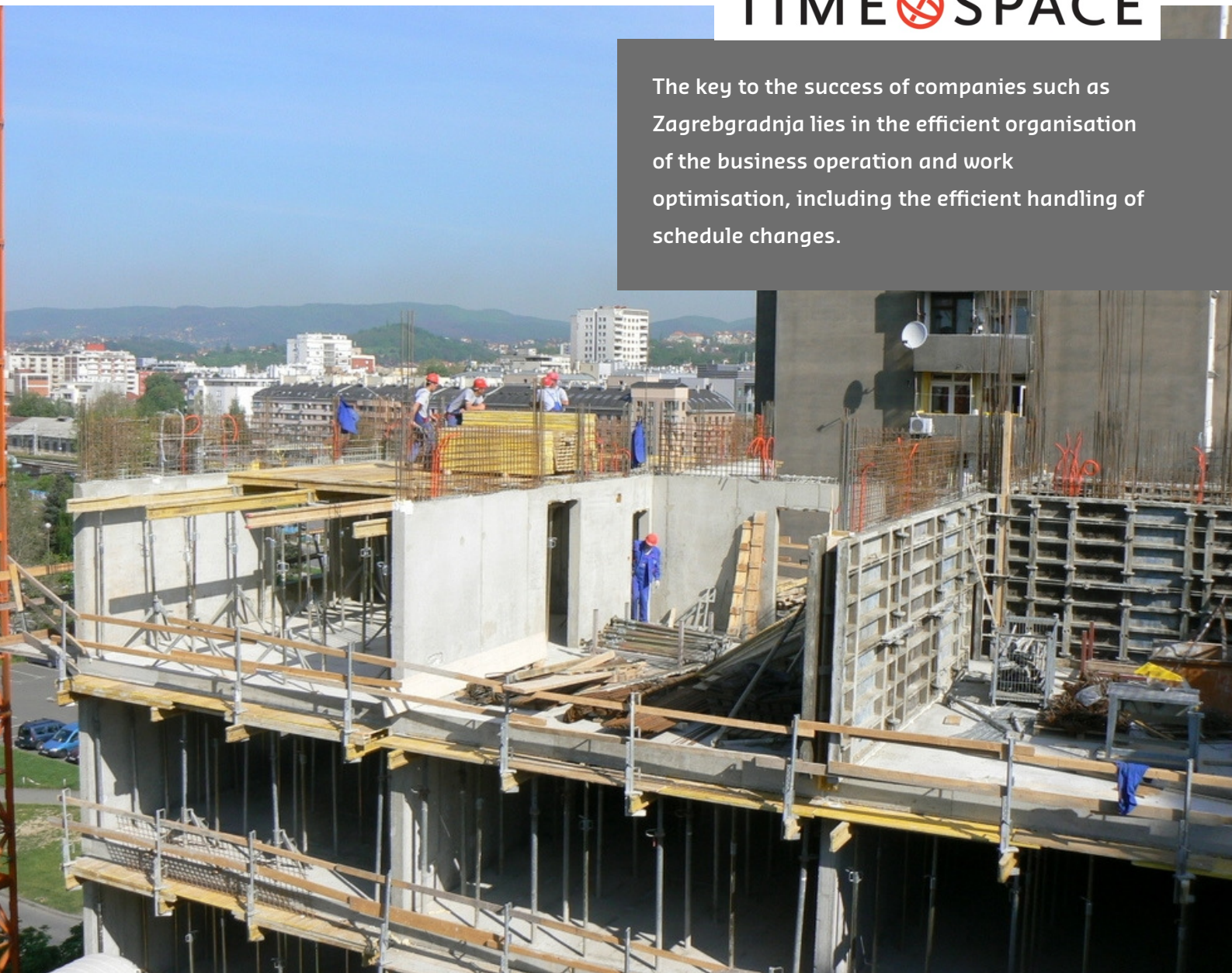


SPICA

TIME SPACE

The key to the success of companies such as Zagrebgradnja lies in the efficient organisation of the business operation and work optimisation, including the efficient handling of schedule changes.



Zagrebgradnja co-builds an advanced
Time & Attendance Management


zagrebgradnja d.o.o.

Zagrebgradnja d.o.o. is one of the leading construction companies in Zagreb, with several hundred employees. Zagrebgradnja d.o.o. and its business partner Geoprojekt d.o.o. are also involved in projects relating to geodetics, photogrammetry, cartography and real estate.

Challenge

Zagrebgradnja is determined to maintain its competitive edge in many areas of work; and the optimisation of work processes with the help of an advanced time and attendance system is one important way of achieving that goal.

The introduction of Time&Space, Spica's time and attendance management system, posed a challenge for both Zagrebgradnja and Spica. The main reason was the nature of their work – Zagrebgradnja has almost two thousand employees working on geographically-dispersed sites, some of which are temporary and lack conventional physical wiring.

Although fingerprint verification is a fairly routine procedure in itself, an ingenious solution was needed to meet the specific needs of Zagrebgradnja.

Zagrebgradnja uses Spica's DOG20 terminals with built-in fingerprint verification devices. In addition to clocking work-related events, employees also use the clock terminals to register lunch hours and print lunch tickets on attached POS terminals.

Given the distributed geographical nature of the worksites and the lack of physical wiring at some of these, the communication between clock terminals and the data server needed to be based on a combination of LAN and GPRS connections.

Technology

Zagrebgradnja uses DOG20-FVB clock terminals featuring a Bioscrypt fingerprint reader, a keyboard for entering special events (e.g. business departure, private departure, lunch break etc.) and an LCD screen where employees can view their balance of hours at the time of clocking.

The terminal connects to a GPRS network using a GPRS modem and GPRS network is directly open to the Internet. Permanent GPRS internet connection is offered by most mobile operators. The package

This non-office working environment, characterised by harsh working conditions, demanded the system was designed carefully to optimise the clock transaction procedure and the transmission of recorded events to a common database.



includes a terminal and a GPRS modem. Optional rechargeable battery is available for uninterrupted operation.

Clock terminals communicate with the data server via LAN and GPRS connections. Of the thirteen DOG20-FVB terminals at five work sites across Zagreb, four terminals communicate via ethernet, while other terminals, located at temporary worksites without physical wiring, use GPRS connection.

Advanced time management enhances organization and planning

Fingerprint verification enables a greater level of security and completely eliminates 'buddy punching' (i.e. one employee clocking in other co-workers). In Zagrebgradnja, fingerprint verification is combined with a PIN code, so there is no need to use conventional badges that might be easily damaged or lost in such a harsh working environment. By investing in an advanced time and attendance management system, Zagrebgradnja hoped to enhance the area of work that directly affects business organisation and planning and, in consequence, their business results. Working in shifts under tight deadlines requires careful planning of everyday procedures and the optimal allocation of the workforce to achieve the smooth operation of the company.

Benefits

By installing clock terminals at different work sites, Zagrebgradnja can easily track time spent on individual tasks/sites. This itemized information is valuable for team managers and planners. Time and attendance data are supervised and handled by an administrator, who can access the database using a web browser. Given the attention Zagrebgradnja dedicates to the needs of its employees, one very important advantage gained by introducing Time&Space is the enhanced overview of the balance of hours, now available to employees at the time of clocking.



Time&Space is an access control and time management system. Flexible and scalable hardware and software solutions ensure a robust and reliable platform. A range of user-definable parameters enable fast adjustments and flexibility. Accurate data by working time categories, which can be exported to payroll processing or HR management systems, significantly enhance critical business processes.

The **SPICA** network of companies is the leading SE European manufacturer and integrator of automatic identification and data collection systems. Spica is dedicated to building trust and long-term relationships through proven and reliable solutions and professional services - from consultancy, project management and implementation to service and maintenance. A team of highly-educated and skilled experts guide and support our customers from the first analytical steps, through to the implementation and then the support of the solution in operation. 20 years of successful performance has resulted in a strong customer base. Regardless of a company's size or industry, Spica's solutions can satisfy their needs and requirements. Our systems are used every day in most of the TOP100 companies in the region. Time&Space, Spica's own range of access control and time&attendance solutions is sold in over 15 countries throughout Europe and the Middle East.

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