
Electronic PRS enables integration into existing infrastructure

The manufacturer of prefabricated houses modernises parking systems with LED technology

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What to do if the existing hardware repeatedly shows errors and you need to have inside knowledge about the software even for the simplest tasks? For SchwörerHaus KG in Oberstetten in Baden-Württemberg the case was clear: Modernise!

However, the renewal of the outdated parking system should not become a large construction site. Therefore the manufacturer of prefabricated houses was searching for a solution which offers a modern and intuitive technology on the one side but enables a problem-free and complete integration in the existing IT at the factory on the other side.

Display errors as well as an increasing number of defects on the existing Parking Reservation System (PRS) called for an action: „The manufacturer of the system could not provide a service anymore so that deficits appeared and single parking spaces could not be assigned individually and flexible to customers and business partners.“

At its headquarters SchwörerHaus relies on a combined visitor and employee parking lot: „On regular working days we make it possible, for example for our employees with physical disabilities but also for the many visitors, to have a parking space in the immediate vicinity of the entrance of the company. But if events take place we must be able to operate flexibly with these parking spaces“, explains Christian Graus, manager of the electrical workshop of SchwörerHaus KG.

Building on existing system

SchwörerHaus actively searched for solutions for a new electronic parking system. „We compared the services and possibilities of different providers. In the end Microsyst convinced us. The professional on-site consultation and the resulting offer with uncomplicated solutions that could be completely adapted to our needs were very good“, Graus said.

The foundation is laid by bright LED displays in IP65 outdoor technology - one panel per parking space. In addition to smooth operation, these ensure comfortable reading conditions in almost all environmental and weather conditions - whether rain, fog or strong sunlight. SchwörerHaus carried out the installation with its own personnel, the commissioning was then

carried out by Microsyst. The clou: The existing cabling with telephone wires as well as the transmission protocol (serial bus) were taken over, because of that the time-consuming installation of new wiring harnesses could be avoided. The set up remote maintenance for Microsyst facilitates service and any necessary adjustments or updates.

Intuitive operation with feedback function

Project manager Gaus was also especially interested in the intuitive handling of the software in daily use: „Our previous system worked with number assignments - all in all confusing and no longer up-to-date. It required some knowledge to operate it without errors.“ Today an integrated feedback function of the reservation system confirms whether everything really works flawlessly. Our employees at the reception have an overview at any time about which display shows what on the currently 22 integrated parking areas.“, Graus said. To optimize the overview, the Microsyst developers integrated the site plan of the parking lot from a bird's eye view. The booking and reservation entries for the parking spaces can thus be entered directly into the plan via the program, are saved and remain visible there until they are changed.

Intensive selection process has paid off

Flexible, reliable and easy to implement (for the customer): With its electronic parking space reservation system, Microsyst is able to quickly implement even individual customer requests, as is the case with SchwörerHaus, thanks to its modular design and smart programming. Gaus confirms and sums up: „The installation, the commissioning and the test run were finalised only six weeks after the order was placed - for us a real added value and an affirmation of our intensive selection process“

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About microSYST Systemelectronic GmbH

Founded in 1985, the company based in Weiden i. d. Opf. has been developing, manufacturing and selling LED display systems for 30 years. The comprehensive know-how in LED technology goes back to the early in-house developments. This pronounced pioneering spirit is still deeply rooted in the company today. With future-oriented thinking and environmental awareness, microSYST will continue to dedicate itself to LED technology in the future under the following principles

- Know-how right from the start*
- Individual development and production*
- Adapted systems with unique optics*
- Regionally sustainable and efficient*