Image 1: With number plate recognition for barriers and bollards from Hörmann, the number plate becomes the ID medium. A camera scans the number plate at the entry and exit station before the barrier opens, meaning that parking tickets or other ID mediums for long-term users are no longer required.

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Convenient control and management

Number plate recognition and OnlineControl for barriers and bollards from Hörmann

The Hörmann product portfolio, with its barriers and bollards, includes many different options for the control of entry and exit stations on public and private parking areas or areas with restricted access, such as in inner cities. The barriers and bollards can also be operated by number plate recognition, meaning that no additional ID medium is required. For convenient and clear management of all relevant data, Hörmann offers the Hörmann Access Control (HAC): an online, operation and management system developed in-house. It is operated using the OnlineControl web interface.

Number plate recognition for barriers and bollards

The Hörmann number plate recognition for barriers and bollards enables quick and convenient entry and exit, such as to and from parking areas and areas with restricted access. The number plate is the leading ID medium detected by a camera on the entry and exit station. If authorisation is giv-

en, the barrier opens or the bollard lowers and the passage is cleared. This enables fast and uncomplicated entry and exit, especially in parking areas with frequently returning vehicles, for example long-term users in parking areas of residential buildings or staff car parks. Other ID mediums are not required, meaning that flexible perimeter protection is possible. In addition, number plate recognition reduces the work involved with issuing new ID mediums, for example when a tenant or employee changes, or when replacing a lost ID medium.

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Image 2: With a pay station system, number plate recognition enables payment without a parking ticket by entering the number plate at the automatic pay station.

Number plate recognition for paid parking

Hörmann also transfers this principle to the pay station system. In doing so, the manufacturer offers a solution, which not only turns the number plate into an ID medium, but also replaces the parking ticket during the payment process. Entry and exit become faster because a parking ticket is no longer requested. This means that a higher number of parking spaces can be used in a shorter period of time. According to the manufacturer, this is also a more sustainable and cost-effective alternative to issuing a paper ticket. Instead, the number plate is requested for the payment process at the automatic pay station and entered by the customer via a touch display. Due to the prior registration at the entry station, the number plate is stored in the system and the parking fee is calculated. As soon as it has been paid, the exit is cleared. All data is recorded securely and encrypted. If the number plate cannot be detected by the camera due to dirt or snow, a parking ticket is automatically issued so that the traffic behind is not obstructed.

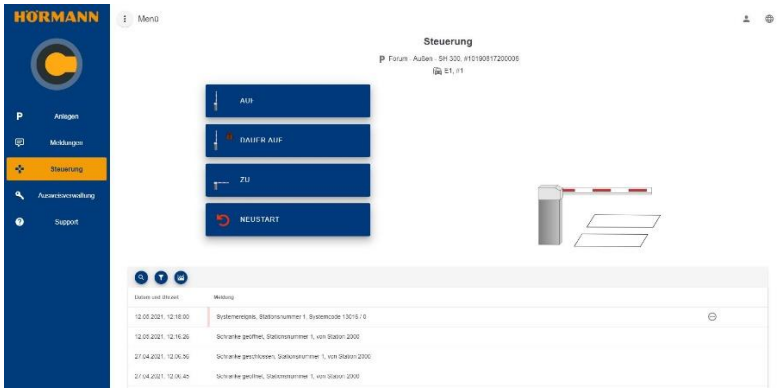

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Image 3: The in-house developed Hörmann Access Control system enables digital management and operation of barriers and automatic bollards. Access is obtained using OnlineControl via the web browser.

OnlineControl for barriers and bollards

With OnlineControl, all users such as car park operators, local councils, property management companies, security services and hotels have an overview of all barrier and bollard systems and can operate and manage them conveniently and centrally from any location worldwide. This is particularly practicable when there are no members of staff present to supervise in the immediate vicinity of the barrier or bollard systems and flexible management and regulation of entry and exit is required.

Access to OnlineControl is obtained via the web browser from mobile or stationary terminal devices. The web interface allows the complete operation and status query of the barrier and bollard systems as well as comprehensive user administration incl. entry and exit authorisations. Up to 2000 parking IDs can be managed for passage control and individual authorisations can be assigned. For this purpose, up to four different ID mediums are available with barcode transponder cards, QR codes, RFID windscreen stickers or number plate recognition. In the event of system malfunctions, possibly due to collision damage or manipulation, these are reported and logged via the system. The fault and error messages can be directly forwarded to the service technician. This shortens on-site service visits and avoids any further journeys that may be necessary, as all the materials needed for the repair can already be brought along on the first visit. This enables fast and efficient service visits and saves costs.

The Hörmann Access Control (HAC) hardware required to use OnlineControl is prepared for the Hörmann SH 300, SH 600 and SH 800 barriers as standard. The automatic Hörmann bollards can be optionally equipped with the hardware.

(4614 characters incl. spaces)

Photos: Hörmann