

ORGATEC 2024

Flexible Locker Solutions: Lehmann Drives Efficiency in Workflow

Passing documents asynchronously, storing work materials securely, handling mail delivery, or providing couriers with keys and travel documents—locker systems can be utilized in a variety of ways when the locking mechanisms can flexibly adapt to specific requirements and infrastructure in facilities and companies. As a competent partner for facility designers, furniture manufacturers, IT professionals, and facility management, Lehmann Vertriebsgesellschaft mbH & Co. KG, Minden / Germany, presented efficient solutions for a productive workflow at Orgatec 2024.

One of several realistic scenarios showcased was a pick-up station serving as a central point on the 66-square-meter booth. Using a locker system equipped with networked „Captos“ locks, Lehmann demonstrated how employees in large companies with modern workplace concepts such as desk sharing or remote work can receive new electronic devices or personal packages at any time.

Secure Storage, Deposit & Collection

The locker serves as temporary storage. The recipient is notified via an email triggered by the delivery person. The email includes a personal authorisation PIN or QR code, alternatively an employee badge serves as the key, allowing the intended recipient flexible pickup times. A log records all opening and closing events for tracking purposes.

For public areas or visitor management, the locker system can be transformed into a self-service solution. It is then supplemented with a terminal through which the user manages access to a chosen locker. The terminal can be integrated as a unit within the locker system or positioned separately on a pedestal next to the system.

Lehmann Management Software as the Core of Process Optimization

The transition to the desired application is achieved through Lehmann's in-house developed, modular, and scalable Lehmann Management Software (LMS). This software also enables intuitive, real-time control over all locking and security requirements as well as complete authorization management for networked „Captos“ locks from a single location. LMS monitors all locks and usage, triggering an alarm if unauthorized access is detected.

LMS also provides interfaces for integration into the client's IT infrastructure, as well as for third-party systems, expanding its possibilities as part of holistic facility management solutions. These include building access, parking and desk reservations, or room bookings.

Unleashing Network Potential with Offline Locks

Another application Lehmann showcased at Orgatec was a Virtual Network solution specifically designed for battery-operated locks. This solution is ideal when physical network connection of locks is impractical or undesirable due to the lack of infrastructure, such as ports and sockets, or for economic reasons.

Thanks to the Lehmann Management Software, which communicates with the online terminals, this system also benefits from the advantages of networked systems. This creates a virtual network that enables flexible and secure remote authorization management. Authorization changes are transferred from centrally positioned terminals to transponders, such as employee ID cards.

Users can update their authorization independently by presenting their RFID card at the terminal. Changing the validity period of a transponder enables an active authorization management. Users must re-present their transponder at the terminal within a specified period; otherwise, they will lose access to the lockers. Simultaneously, the battery status of the locks is transmitted to the software and made visible to the facility manager. This setup significantly reduces workload for facility management. The allocation of individual authorizations or battery status checks – previously requiring a physical visit to the locker – can now be managed remotely and in real-time.



With the smart locker solutions presented at Orgatec, Lehmann addresses the pulse of the times, combining security and efficiency in storage and flexible handover. The solutions integrate seamlessly into holistic concepts that cater to flexible yet personalized workplaces and flexible scheduling while focusing on economic efficiency.



Caption 1: For public areas or visitor management, a locker system can be realised as a self-service solution. It is then supplemented with a terminal through which the user manages access to a chosen locker. Photo: Lehmann



Caption 2: The Core of Process Optimization: the Lehmann Management Software (LMS). It enables intuitive, real-time control over all locking and security requirements as well as complete authorization management from a single location. Photo: Lehmann

Lehmann

The family owned business LEHMANN in Minden/Westphalia is one of the of European leaders for mechanical and electronic locking systems for furniture and more. The range of applications extends from office and commercial furnishings, lockers and safe deposit boxes, shopfitting and interior furnishing, laboratory, warehouse and factory equipment, caravan and boat building up to vending machines. Two modern plants with own research and product development as well as tool and mould construction, foundry, plastic injection moulding and electroplating form the basis for innovation and quality of the products. Around 340 employees worldwide ensure customer satisfaction and delivery reliability. In addition Lehmann actively markets individual steps in its supply chain as industrial services.