



RHENUS DATA OFFICE GMBH CASE STUDY

OPTIMIZATION OF SECURITY AND PROCESS
STANDARDS IN DOCUMENT DESTRUCTION.

LEHMANN CASE STUDY: RHENUS DATA OFFICE

The Rhenus Group is one of the leading global logistics service providers with an annual turnover of €7.5 billion. Its 40,000 employees at 1,320 locations in over 70 countries develop innovative solutions across the entire supply chain. Whether it's transport, storage, customs clearance, or value-added services, this family-owned company focuses on meeting the needs of its customers at all times.

As part of its collaboration with its subsidiary, Rhenus Data Office, Lehmann developed an innovative solution to significantly improve security and efficiency standards in the destruction of files and data carriers. These solutions and their results demonstrate the importance of the right technology and processes in protecting sensitive information. In addition to optimizing access management, Lehmann's new locking concept ensures that the destruction of sensitive files and

data carriers complies with the highest security standards. Rhenus uses state-of-the-art technology and certified processes to ensure confidential and secure destruction that meets the requirements of the EU General Data Protection Regulation (GDPR) and the German Federal Data Protection Act (BDSG). The implementation of RFID locking systems and the optimization of access permissions further enhance the security and efficiency of these processes.

The Challenge:

- 1. Improved management of access permissions:** ensuring a clear and fully traceable access control.
- 2. Process optimization:** by enhancing monitoring and disposal processes.
- 3. Enhanced security standards:** with complete traceability of container usage and logs of openings and closings.
- 4. Protection against unauthorized access to sensitive data:** through mechanisms that prevent unauthorized access.
- 5. Information on the lock's battery status:** to ensure continuous operational readiness.
- 6. Simplified control without the need for elaborate key handovers:** through implementing electronic access control.



LEHMANN'S SOLUTION

1. Replacement of locking systems:

- + Development of a tailored electronic, RFID-based locking solution utilizing the technology of our partner LEGIC. The solution is designed to be impact-resistant, adapted to the predefined layout of the security containers, and ensuring ease of use.
- + Development of a new locking mechanism for existing document containers: taking into account force application and usage requirements.
- + Patented locking mechanism: A one-step locking system prevents unintentional unlocking and unauthorized access, even under stress during the disposal process.
- + Automated and secure container unlocking during destruction process.

2. Lock management:

- + Seamless storage and logging of all access activities.
- + Simple programming of access permissions.
- + Activation of security containers directly at the customer's site: eliminating the need for key handovers.
- + Battery status reading and transmission.

The successful implementation of these solutions at Rhenus clearly demonstrates how technological innovations can optimize and secure disposal processes. Particularly, the destruction of sensitive files and data carriers requires the highest security standards, which can be achieved through the introduction of electronic and RFID-based locking systems and automated access controls. These measures ensure not only the protection of sensitive data but also compliance with legal requirements and improvements in operational efficiency.

The collaboration between Rhenus and Lehmann led to significant improvements in security and process standards in document disposal. The innovative locking solutions and the automation of access permissions significantly contribute to meeting data protection requirements.

„LEGIC's security technology is impressive and delivered on all its promised features. However, the decisive factor was the support and advice from their partners at Lehmann Locks, who designed and installed the solution according to our requirements.“

Michael Wiegmann, Managing Director
Rhenus Data Office GmbH

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