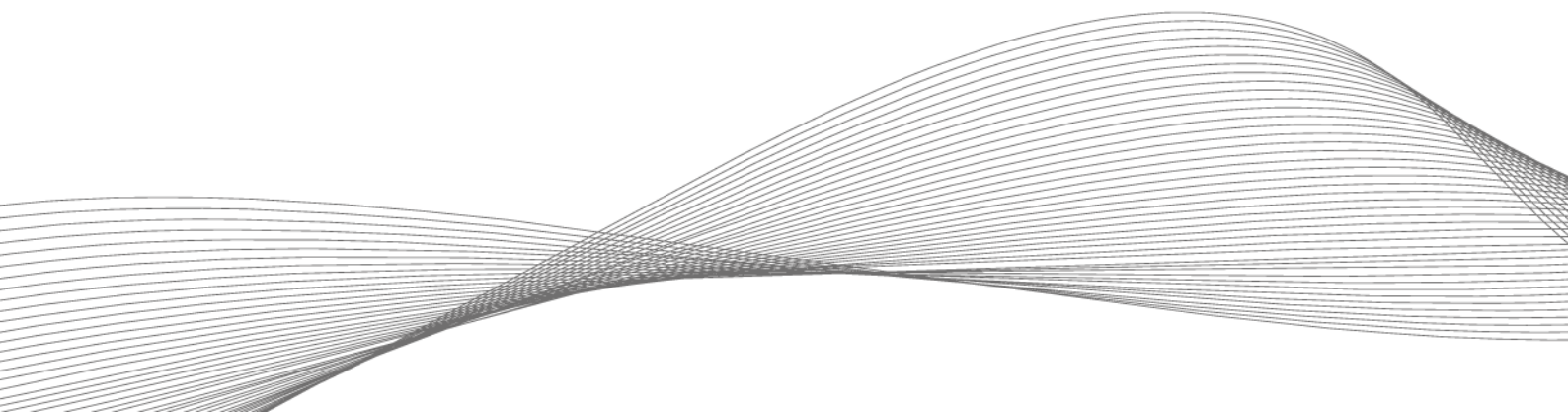


SECURITY IN MODERN PRODUCTION: 7 SUCCESS FACTORS FOR A FUTURE- PROOF AUTHENTICATION SOLUTION



Elatec offers an authentication solution that meets all the requirements of a modern production company now and in the future.



Modern production environments require sophisticated security concepts. An intelligent, flexible authentication solution makes an important contribution to protecting people, infrastructure and data.

The following applies to industrial systems: access must be restricted to authorized persons. This is because unauthorized access and operating errors have the potential to cause considerable damage in complex production environments. An intelligent and flexible authentication solution is at the heart of a security concept and offers protection for the modern, networked factory on the basis of radio frequency authentication (RFID) and the mobile technologies Near Field Communication (NFC) and Bluetooth® Low Energy (BLE). It can cover a wide range of applications with one system. The spectrum ranges from machine authentication and logging into the company network to access to sensitive areas or access to vehicles such as forklifts or trucks. A standardized system can cover all access and entry requirements in a factory. Such a solution not only creates greater security, but also transparency about who has accessed equipment or systems at what times and for how long. This allows processes to be optimized and operational efficiency to be increased.

Success factors for the implementation and operation of an authentication solution

To ensure that an authentication solution meets all the requirements of a modern production company now and in the future, the following aspects are crucial:

1. **Needs analysis:** A key success factor is a thorough needs analysis to ensure that the authentication and access control system in the smart factory is optimally aligned with the company's specific requirements.
2. **Future-proof:** To ensure that the system meets requirements in the long term, it must be scalable and offer regular updates and upgrades.
3. **Ability to integrate into existing infrastructure:** For optimum functionality, the system should allow seamless integration into the existing IT landscape.
4. **Flexibility:** Companies should rely on multi-frequency readers because they enable the use of identification media with different transponder technologies.
5. **Convenience:** For example, the existing, robust employee ID card can be used as an identification medium in production. This is simply held up to the reader. Entry and access are then granted immediately if authorization is available.
6. **Compliance and data protection guidelines:** When implementing an authentication solution, the legal provisions and compliance guidelines applicable in the respective country as well as the corresponding labor laws that regulate the use of quality assurance and time recording systems can be taken into account at the same time.
7. **Continuous monitoring and optimization:** The authentication solution also offers various options for collecting relevant data, which can be used to gain valuable insights for process optimization.

As a specialized solution provider, Elatec supports companies in the selection and implementation of a modern authentication solution.

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