Prior1 secures IT container fix with KentixONE

Prior1, a leading provider of modular IT infrastructure solutions, was faced with the challenge of developing container data centers that meet the highest security and energy efficiency standards. These containers should not only provide optimum protection against physical threats and environmental risks, but also ensure seamless monitoring. The solution had to be flexible and scalable and meet the requirements of EN 50600 certification at all times. Prior1 pursues one goal in the development of its solutions: to operate IT securely, efficiently and sustainably – while protecting what is really important.

Solution

By integrating KentixONE as a central platform, Prior1 was able to implement a comprehensive security solution for your new "IT Container FIX". KentixONE enables the central control and monitoring of all security-relevant devices and sensors in real time. This provides the operators of the container data center with an overview and full control of all "vital parameters" at all times via a central dashboard – also on the move via the KentixONE app as a mobile control center.

Implemented security solutions:

1. **Access control – SmartAccess**
   The Kentix IP wall readers ensure strict access control through two-factor authentication. Every access is logged and unauthorized attempts immediately trigger an alarm. All data is stored in KentixONE and can be retrieved at any time. In addition, all accesses can be logged with a short video sequence.

2. **Intrusion alarm system – SmartBurgulary**
   With KentixONE, access control and sensor technology can be combined to create alarm zones that protect against unauthorized intrusion. These zones can be armed and disarmed both manually via access control and automatically.

3. **Environmental monitoring – SmartMonitoring**
   Kentix MultiSensors continuously monitor environmental factors such as temperature, humidity and air quality. The integrated 4-factor early fire detection system detects anomalies that indicate critical conditions at an early stage and enables timely action to prevent damage. All external units such as air conditioning and UPS systems are seamlessly integrated and continuously supply their operating statuses.

4. **Power supply – SmartPDU**
   The Kentix SmartPDUs monitor all current and energy parameters as well as the ambient conditions in the server racks. The integrated residual current measurement (RCM) ensures electrical safety, fire protection and detects creeping device failures. Anomalies are transmitted to KentixONE in real time so that action can be taken as quickly as possible. KentixONE provides efficiency indicators such as PUE (Power Usage Effectiveness) at all times and generates an energy report at the end of the month.

5. **Video surveillance – SmartVideo**
   The video surveillance integrated in KentixONE detects security-relevant events in real time. Recordings can be called up quickly and live images support the assessment of the situation in an emergency.
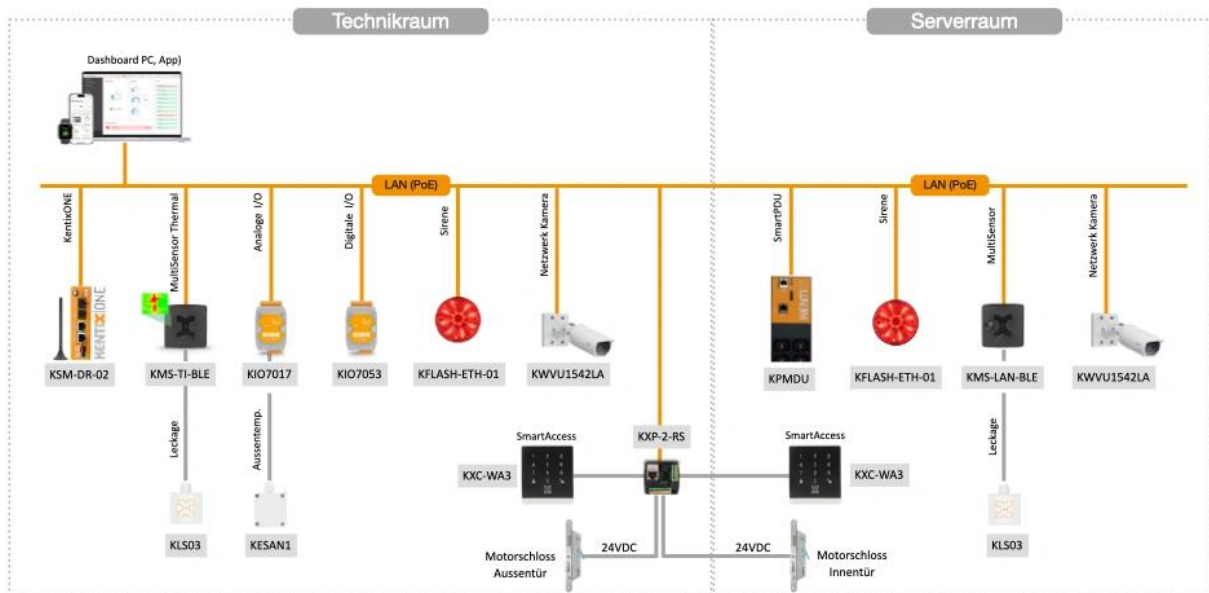
MultiSensor-TI in the Fix Container server room
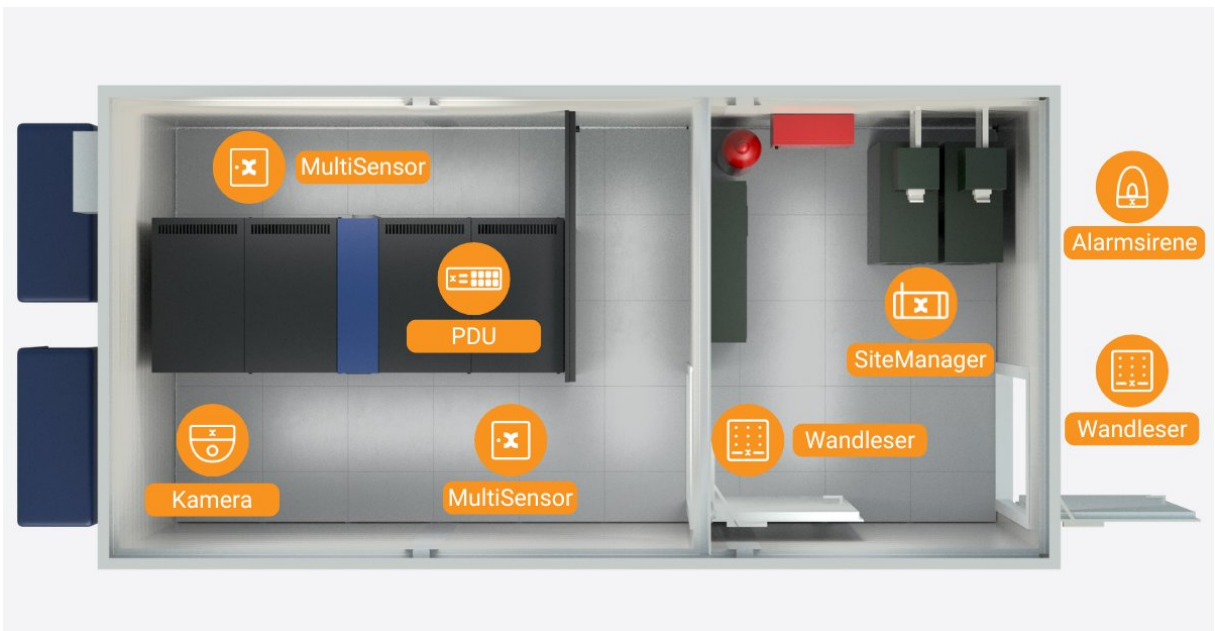
Interior view IT Container Fix

Kentix components used in the project

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Result

The IT container from Prior1 offers a state-of-the-art and flexible solution for the protection of IT infrastructures. The integration of advanced security solutions ensures optimal protection against physical and environmental threats. Seamless networking via KentixONE enables continuous monitoring and rapid response to incidents. Prior1 thus offers its customers a future-proof infrastructure that combines the highest security standards with flexibility and scalability.

"By integrating Kentix's security solutions, we have created a state-of-the-art container data center that not only meets the highest security standards, but also offers the necessary flexibility for dynamic IT operations. This partnership has shown us how innovative technologies and modular systems can optimally support the requirements of digital transformation."

– Oliver Fronk, Team Coordinator, Prior 1

About Prior1

Prior1 GmbH is your reliable partner for reliable and highly efficient data centers, server rooms and network structures. We offer comprehensive services from planning and construction to the equipping of data centers and server rooms. Our expertise includes operational consulting and the development of outsourcing and colocation strategies. We also offer network planning, certifications, energy efficiency analyses and comprehensive services. Our experienced installation and service team ensures the fail-safe operation of your IT infrastructure. With our many years of experience, we develop tailor-made solutions and implement turnkey data centers as a general contractor or client representative. Our services include room-in-room systems, containers, air conditioning and fire protection. We guarantee on-time and technically flawless implementation of your projects as well as continuous support from our experienced project managers.

Further information on the IT Container Fix from Prior1 GmbH

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