EXECUTION EXAMPLE WITH TOPOLOGY
Container data center

Container data center

The requirement

You are operator or user of container or outdoor data centers in which systems with high availability requirements are operated.

Physical security - i.e. the protection of all installed devices against dangers such as overtemperature, high humidity, fire and burglary plays an important role for the permanent operation of the environment.

Potential dangers should be identifiable at a glance as early as possible in order to initiate countermeasures. The monitoring solution should be as scalable as possible. Additionally, interfaces for a higher-level network monitoring should be available.

The Kentix system solution

For the first container to be equipped, an AlarmManager-PRO and a MultiSensor-RF are needed here to cover the requirements.

The MultiSensor is mounted to the container ceiling with the mounting bracket.

It is supplied with power by a separate plug-in power supply unit. All measured values are sent by radio to the AlarmManager. Possible water ingress is monitored by a leakage sensor.

Further containers can be included in the monitoring without any problems, as long as they are connected to each other via the infrastructure.

In each case, a MultiSensor-TI plus leakage sensor and KeyPad are used. The MultiSensor is connected via the network to a PoE-capable switch.

The entire system is monitored by the AlarmManager. Integration into a central monitoring tool is also possible.

KENTIX
Innovative Security

LAN
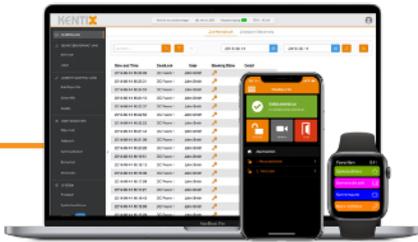
First datacenter container

GSM

ZIGBEE

LAN (PoE)

LAN

AlarmManager-PRO
Central unit with network, radio and GSM.
Mounting on the wall.
Power supply via PoE.

LeckageSensor
Is installed on the floor or under
the raised floor.

MultiSensor-RF
Mounting on the server room ceiling.
The communication takes place via radio,
the power supply via
a plug-in power supply

Additional datacenter container
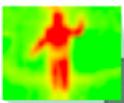
LAN (PoE)

MultiSensor-TI
Mounting on the ceiling of the room.
Communication and power supply is done
via the network (PoE). Enables a reliable 4-
factor early fire detection.

LeckageSensor
Is installed on the floor or under
the raised floor.