EXECUTION EXAMPLE WITH TOPOLOGY

Monitoring of distributed racks in
production facilities

Monitoring of distributed racks in production facilities

The requirements

Within the production facility there are IT racks which are used to connect PC-controlled production facilities to the server infrastructure.

The racks are to be permanently monitored for all critical hazards such as overtemperature or fire in order to ensure the availability of the systems and thus guarantee uninterrupted production operations. Potential hazards should be identifiable at a glance as early as possible in order to initiate countermeasures. Monitoring should be performed from a central location so that critical conditions can be detected directly. In addition, the solution should be as scalable as possible in order to be able to expand it if necessary.
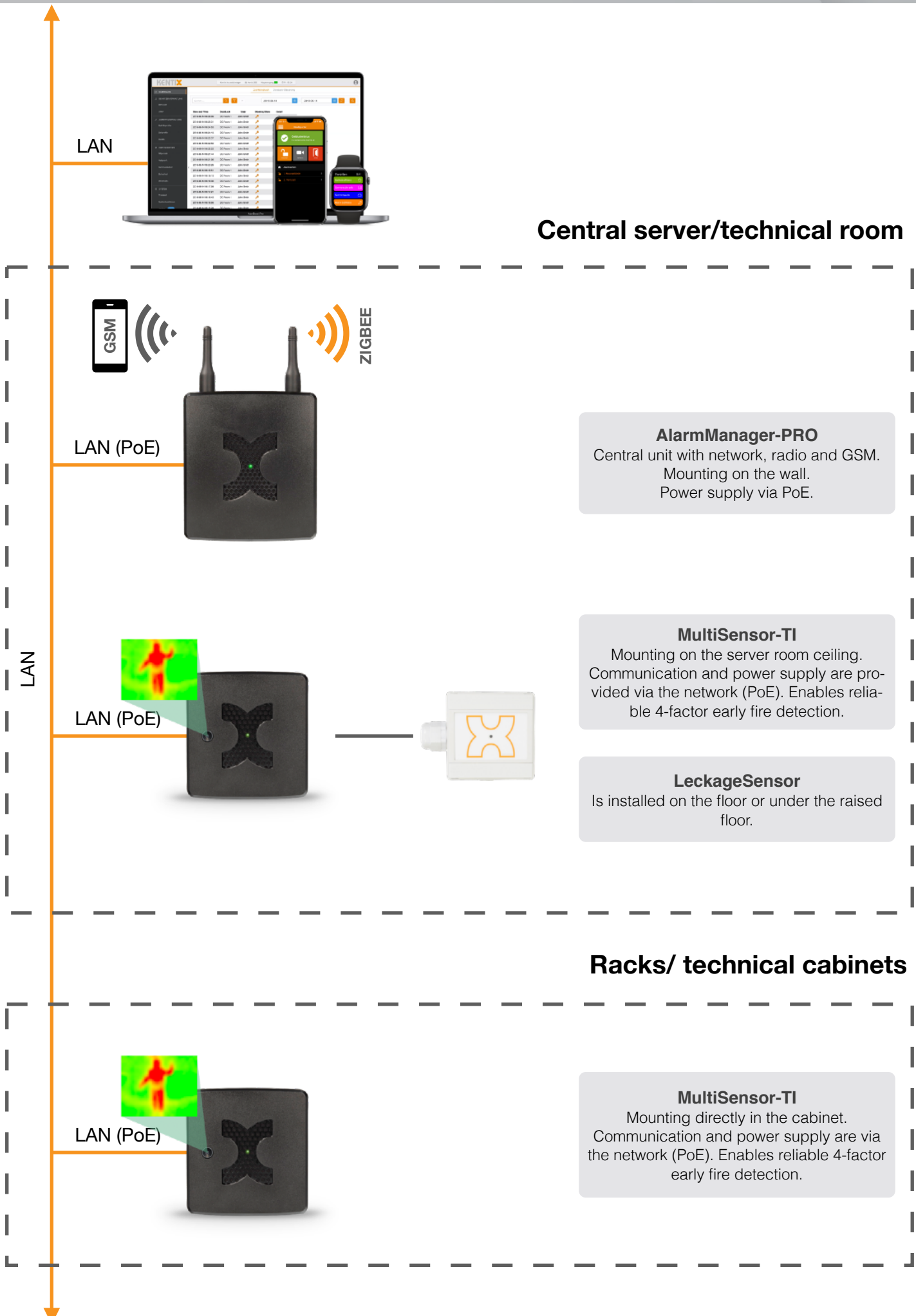
The Kentix system solution

An AlarmManager-PRO and a Multi-Sensor-TI (Thermal Image) are used to cover these requirements. These are installed in a central technology or server room. The MultiSensor-TI is responsible for monitoring the room. A leakage sensor is also used to monitor for potential leaks.
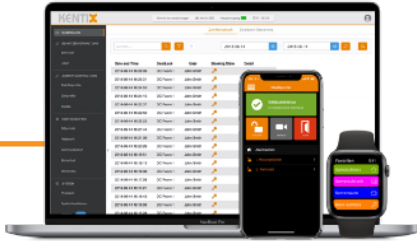
The racks/technology cabinets on the production site are each equipped with a MultiSensor-TI. These can be mounted directly on top of the cabinet. The MultiSensors are connected via the network to a PoE-capable switch.

The AlarmManager-PRO takes over the complete monitoring and checks for pre-set threshold values.

If a threshold value is exceeded, it sends an alarm to one or more users - via SMS, e-mail, SNMP and push notification. All MultiSensors in the system are also continuously monitored for availability.

KENTIX
Innovative Security

LAN

Central server/technical room

GSM

ZIGBEE

LAN (PoE)

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

LAN

MultiSensor-TI
Mounting on the server room ceiling.
Communication and power supply are provided via the network (PoE). Enables reliable 4-factor early fire detection.

LAN (PoE)

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

Racks/ technical cabinets

LAN (PoE)

MultiSensor-TI
Mounting directly in the cabinet.
Communication and power supply are via the network (PoE). Enables reliable 4-factor early fire detection.