

EXECUTION EXAMPLE WITH TOPOLOGY

Monitoring of engineering and supply rooms



Monitoring of technical and supply rooms

The requirements

Within a production plant there are several technical and supply rooms which are to be monitored.

Physical safety - i.e. the protection of all installed equipment against dangers such as excess temperature, high humidity, fire and burglary - plays an important role in the long-term operation of the environment.

The Kentix system solution

To cover these requirements, an AlarmManager-PRO and a MultiSensor-TI (Therma Image) is required for the main technical room. For larger rooms (over 20m²) an additional MultiSensor-TI can be used.

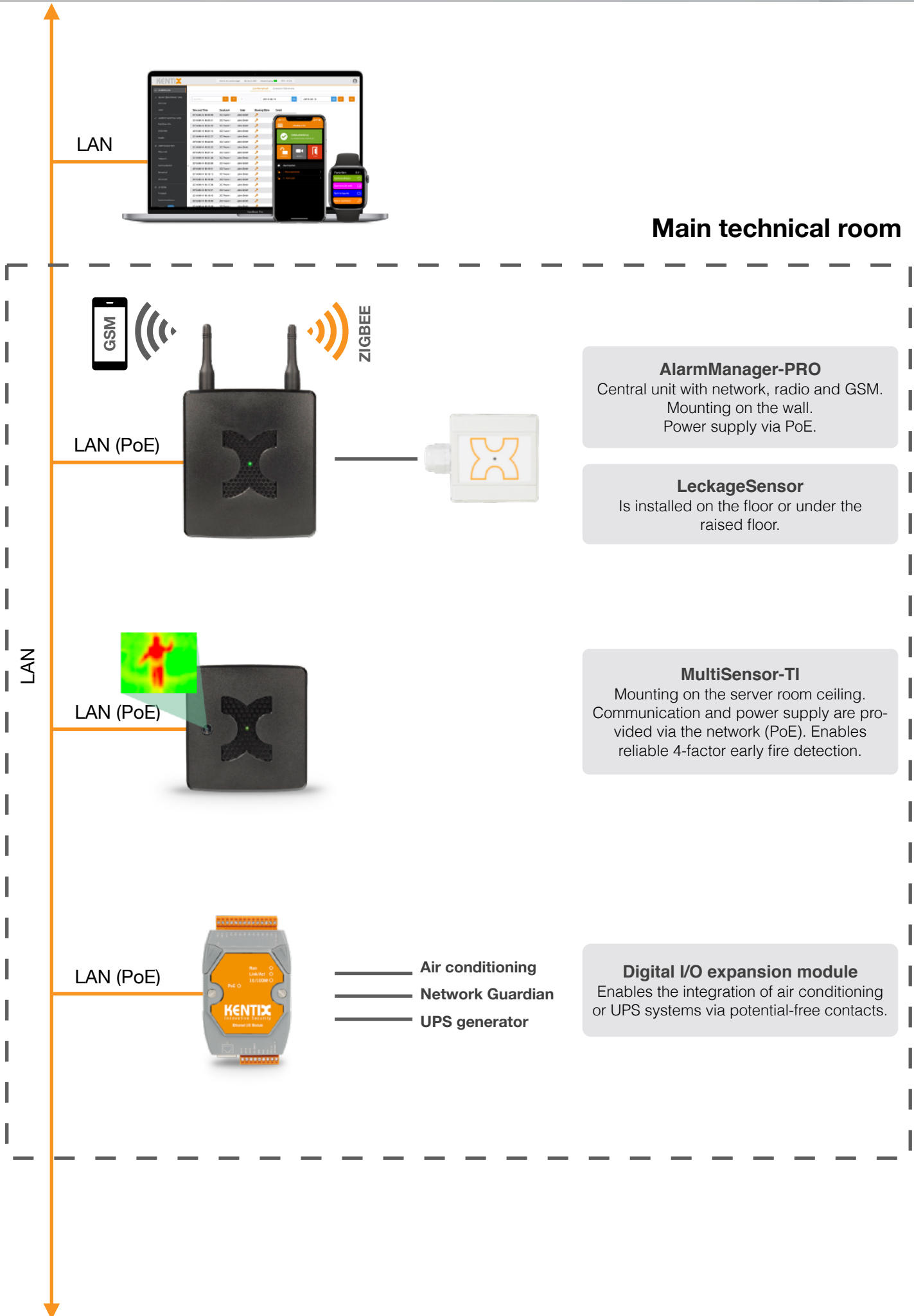
A MultiSensor-TI, which is also mounted on the ceiling, is used in each of the other technical and supply rooms. The connection is made here via the network to a PoE-capable switch.

Potential dangers should be identified at a glance as early as possible in order to initiate countermeasures.

Monitoring should be carried out from a central location so that critical conditions can be detected at a glance.

A leakage sensor is connected to the AlarmManager or MultiSensor to monitor for potential leaks. External systems such as air conditioning and UPS systems are included in the monitoring via an I/O module.

The AlarmManager-PRO takes over the complete monitoring and checks for preset threshold values. If a threshold value is exceeded, it sends an alarm to one or more users.



Main technical room

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

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

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.

Digital I/O expansion module
Enables the integration of air conditioning or UPS systems via potential-free contacts.

— Air conditioning
— Network Guardian
— UPS generator

