LUPUS
ELECTRONICS

The product.

The cellular mobile smoke detector by LUPUS-Electronics is a world's first. By using the narrowband-IoT network of Deutsche Telekom, this smoke detector connects directly to the Lupus Cloud. Hence, neither a router nor any other hub or gateway is required to be connected. Additionally, this cellular smoke detector conforms to the DIN 14676-1, act C through it's automated self maintenance that is performed every 24 hours. And it's got super fast installation: Just press the button and scan the QR code on the device with the LUPUS app and you're done. The build-in cellular service allows for unlimited scaling and, combined with its 10-year battery, for completely autonomous operation.

The benefit.

The LUPUS Mobile smoke detector system enables real estate companies, housing administrations and facility management firms to slash the high costs of the yearly maintenance requirement while simultaneously increasing security. Because the property needs to be visited only once: for installation. After that, the systems runs fully automated in the background, for ten years without further physical controls or entry of the property necessary. Every 24 hours, the cellular smoke detector performs a self inspection and documents the maintenance process in the LUPUS Cloud where documentation is securely stored and instant alarm, event, and status notifications are sent in realtime to the relevant staff. LUPUS Cloud allows for multi-level administration complete with central control dashboard, extensive user rights management, and easy categorisation according to country, city, building, apartment, and room. Fully automated maintenance, realtime dashboard, real time alarm notifications. The next level of digital process optimisation. That's the Real Internet-of-Things!

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Fact Sheet.

→ LUPUS mobile smoke detector with secure Narrowband IoT cellular mobile networking connection and fully automated self maintenance.

→ Always online: Thanks to the integrated mobile service module and the LUPUS IoT cloud. Comes with pre-installed, soldered SIM card.

→ 10 years life of battery and product life cycle.

→ Unlimited scalability: Requires no gateway, no local internet, and no local power supply.

→ Instant alarm notification: Sends an alarm to your smartphone, your alarm service centre, or your IoT platform.

→ Extremely cost-efficient and quick to install: Simply press the button at the sensor, scan the QR code with the LUPUS app, and install the smoke detector.

→ Always connected, always informed: self-test every 24h, remote maintenance routines and documentation in the LUPUS Cloud (according to DIN 14767-1 C from 12/2018):

→ Self test of the detection chamber and battery.

→ Silent siren self test.

→ Periodic check for obstacles in a radius of 50cm around the smoke detector.

→ Periodic control of the smoke inlet.

→ Self-calibration according to the degree of pollution.

→ Tampering protection: The tampering contact instantly detects if the smoke detector is removed and immediately sends a notification to the LUPUS cloud.

→ The LUPUS IoT cloud features a centralised, web based management system and a smartphone app control

→ The real-time Dashboard shows the status of all connected smoke detectors

→ Multi-layered, centralised administration with extensive user rights management, an easy sorting of the sensors via country, city, building, apartment, or utilisation unit.

→ Documentation and storage of the remote maintenance data for 10 years.

→ Easy installation and adding of the sensors via QR code scan in the app.

→ Simple alarm management: Invite your residents/tenants/owners/users to receive the alarms directly on their smartphone. They have the possibility to share alarms permanently or periodically with three other persons.

→ API to connect to other platforms, services, and apps. Optionally connects to an alarm service centre or the LUPUS 24 alarm service centre via the Contact ID SIA 09 protocol.

→ Suitable for the bedroom.

→ Color: Pure white with black elements.

→ Suitable for challenging, frost-free locations, e.g. cellars, attics, or staircases.

→ Complies with all requirements of the German state building codes.

→ Approval and certification: Q label according to DIN EN 14604 and vfdb (14-01). Automatic remote maintenance conforms to DIN 14676-1 C.

*work in progress