IoT-connected smoke alarm and air quality sensor

Created in EU

Increased fire security and a better quality of life

The air we breathe dictates the quality of our life. We depend on air for our health and wellbeing, and it affects every other facet of life – sleep, productivity, and more.

This device combines a life-saving smart smoke alarm with a variety of cutting-edge air quality sensors. Due to a direct connection to the mobile network, enabled by cellular IoT (LTE-M / NB-IoT), the device provides unprecedented stability and reliability to give you maximum peace of mind.

IoT-connected smoke alarm

- Eradicated false alarms
- Failsafe alerts – mobile push notification, SMS, and automatical mobile phone alerts
- 5-degree notification system for surrounding and connected individuals (neighbours, landlords, caretakers, etc.)
- Can be synchronized with other rooms
- Reliability – resistant to electricity and wifi outages

Air quality monitoring

- Real-time air quality monitoring on the app
- Humidity, temperature, carbon monoxide (CO) and smoke monitoring
- Volatile organic compound monitoring – an indication of air quality
- Access to historical data for easy monitoring
- Carbone dioxide (CO2) amount is taken into account when analyzing the overall state of air quality
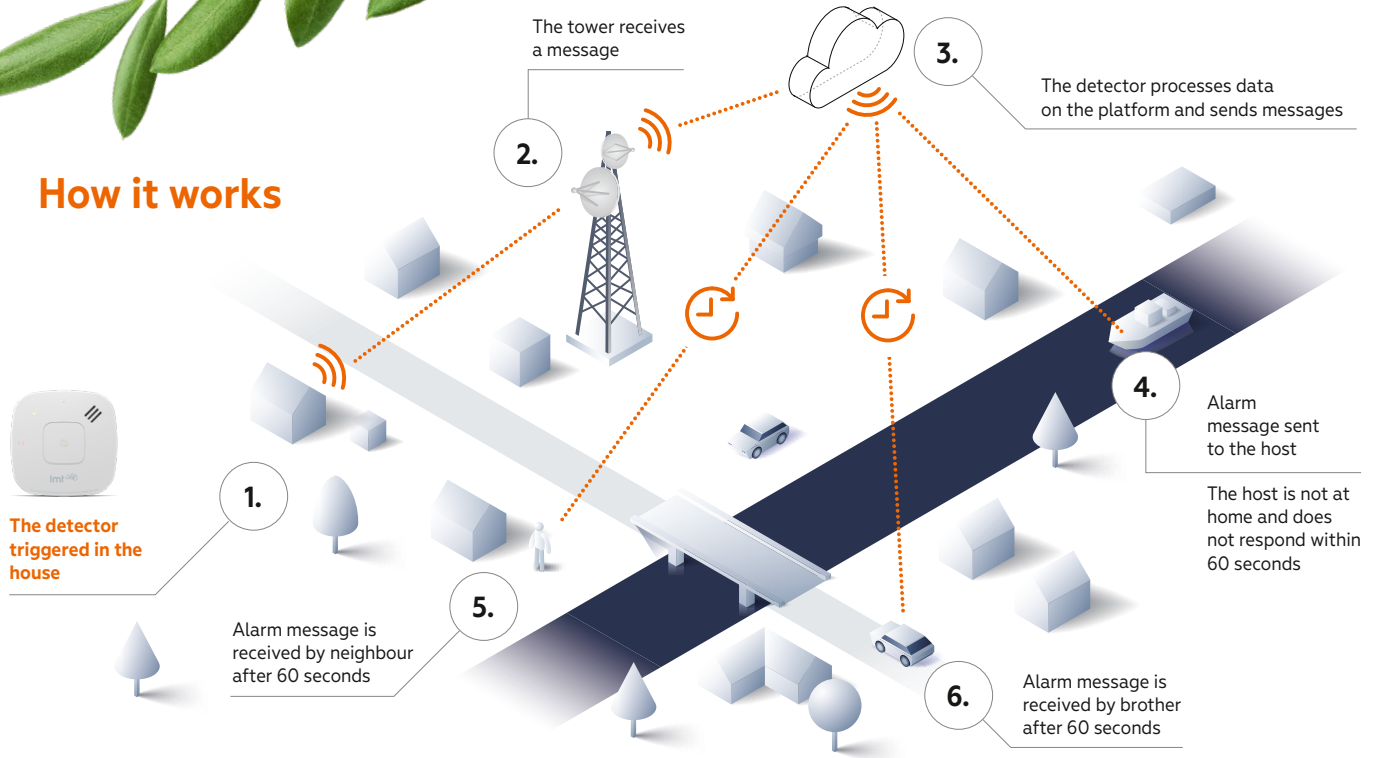
Technical specifications

- Patented Valor sensor and algorithm
- Infrared light for smart smoke detection
- Proprietary wireless protocol
- Fully GDPR compliant, data stored in the EU

- Based on the mobile network – 4G (LTE-M and NB-IoT)
- Certification: EN 14604:2005/AC:2008 and EN 50291-1:2018
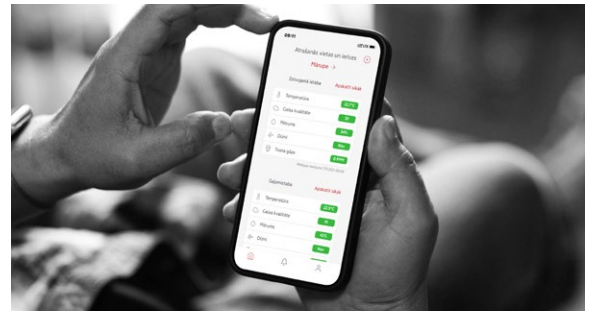- Sensor model: Bosch BME680

How it works

The tower receives a message

2.

3.

The detector processes data on the platform and sends messages

1.

The detector triggered in the house

Alarm message is received by neighbour after 60 seconds

5.

4.

Alarm message sent to the host

The host is not at home and does not respond within 60 seconds

6.

Alarm message is received by brother after 60 seconds

Invisible becomes visible in the LMT Sensor app

Unlimited number of monitored devices and easy-to-read information about air quality in your home, office and other rooms.

- Volatile organic substances in the air
- Humidity in the room
- Temperature fluctuations

Download on the App Store

GET IT ON Google Play

The smart smoke and air quality sensor was created in collaboration with the globally operating Latvian network equipment manufacturer MikroTik and the participation of medical and healthcare scientists from Riga Stradins University.

About LMT

LMT is a globally recognized European mobile operator, innovator and system integrator backed by 30 years of experience.
For more information about the IoT-connected sensor, visit innovations.lmt.lv

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Contact information

Are you interested in becoming a distributor for LMT's air quality and smoke sensor?
Contact us, and let's discuss a potential collaboration!

Get in touch

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