ASI

WIRELESS

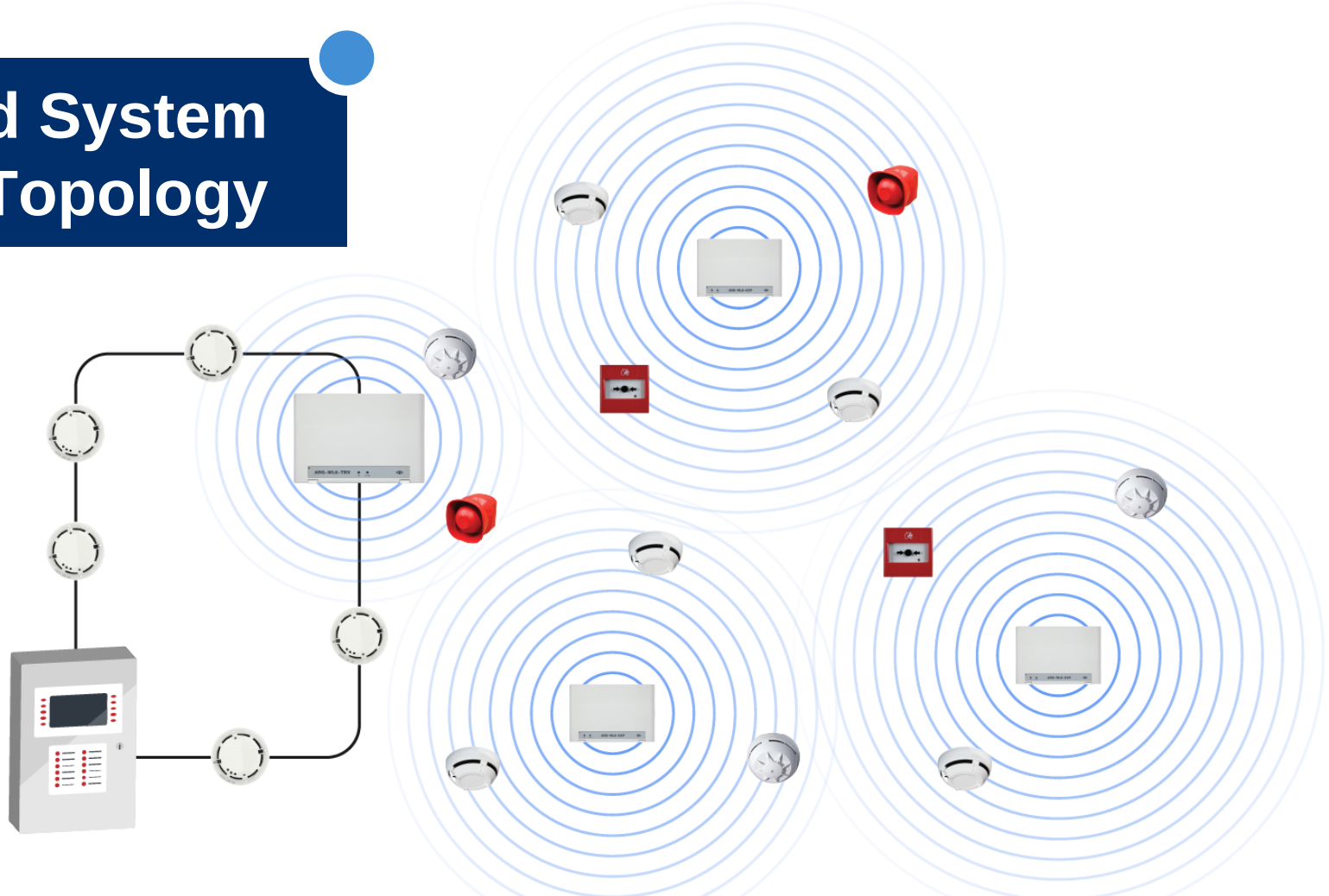
Fire Detection

Presentation overview

- Introduction
- Main features
- The technology
- Compliance
- The business side

Introduction

Hybrid System Topology

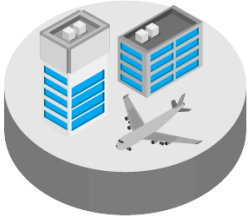


School

Hospital

Warehouse

Airport

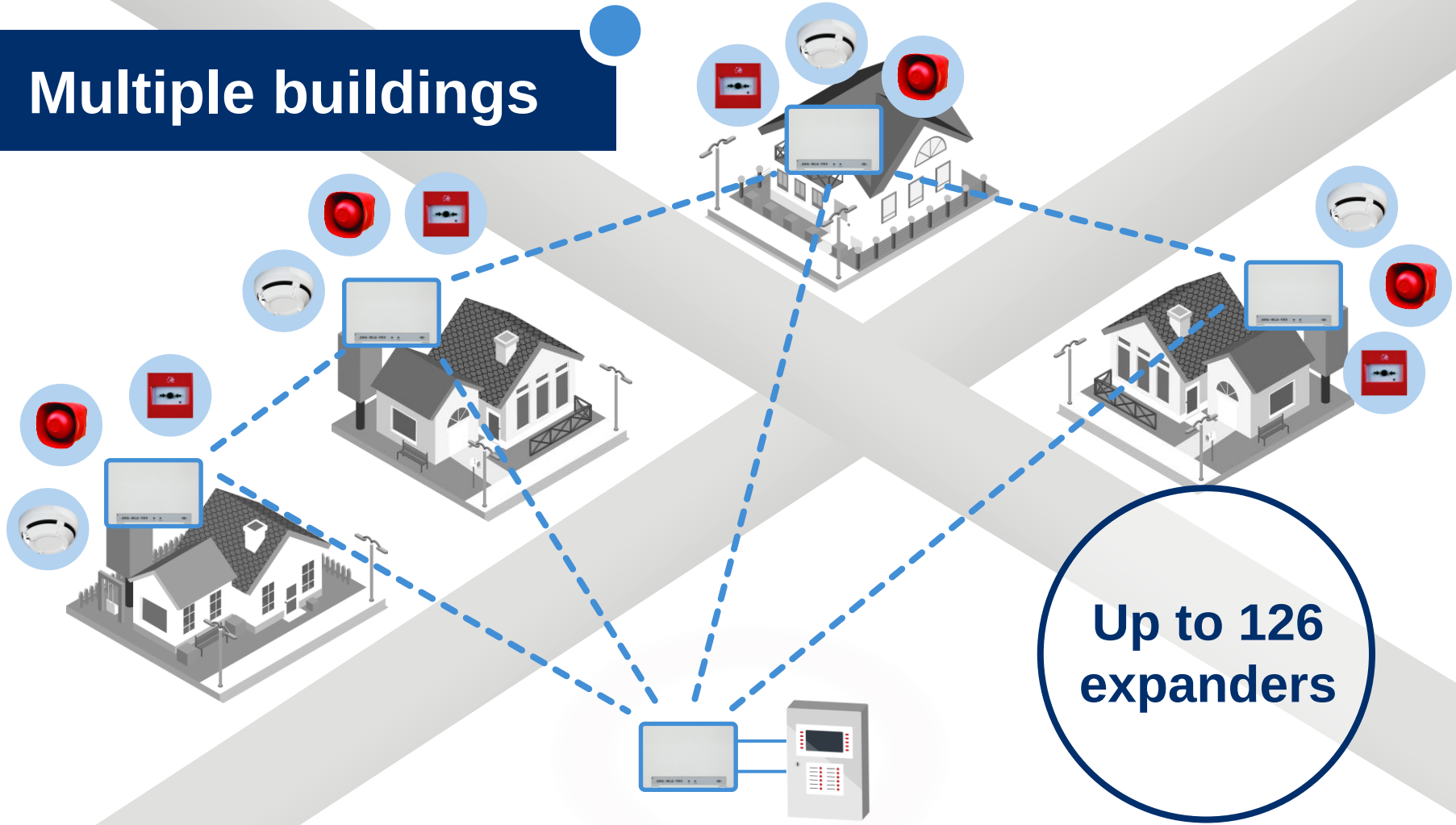


Office building

Factory

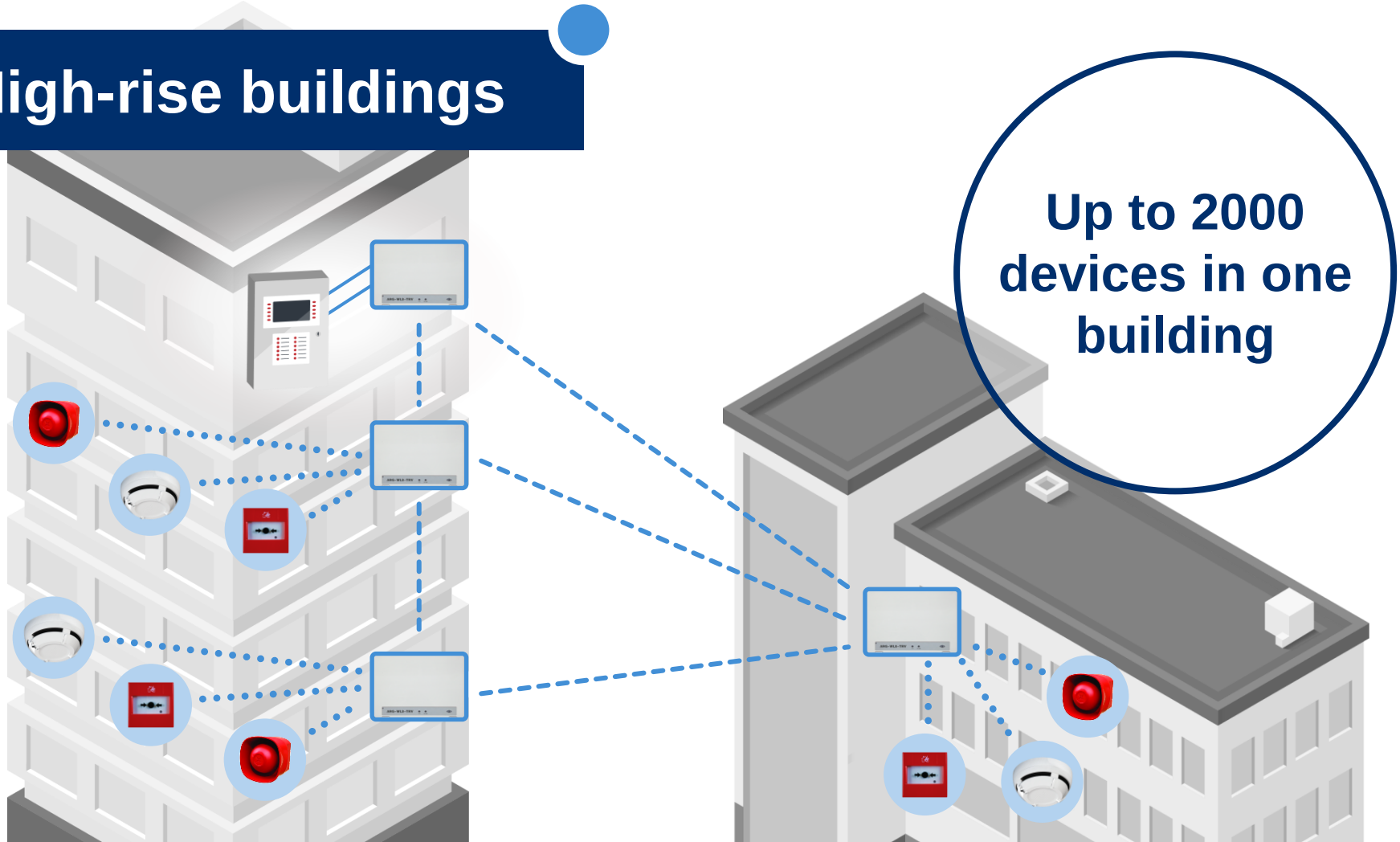
Use wireless in any project

Multiple buildings



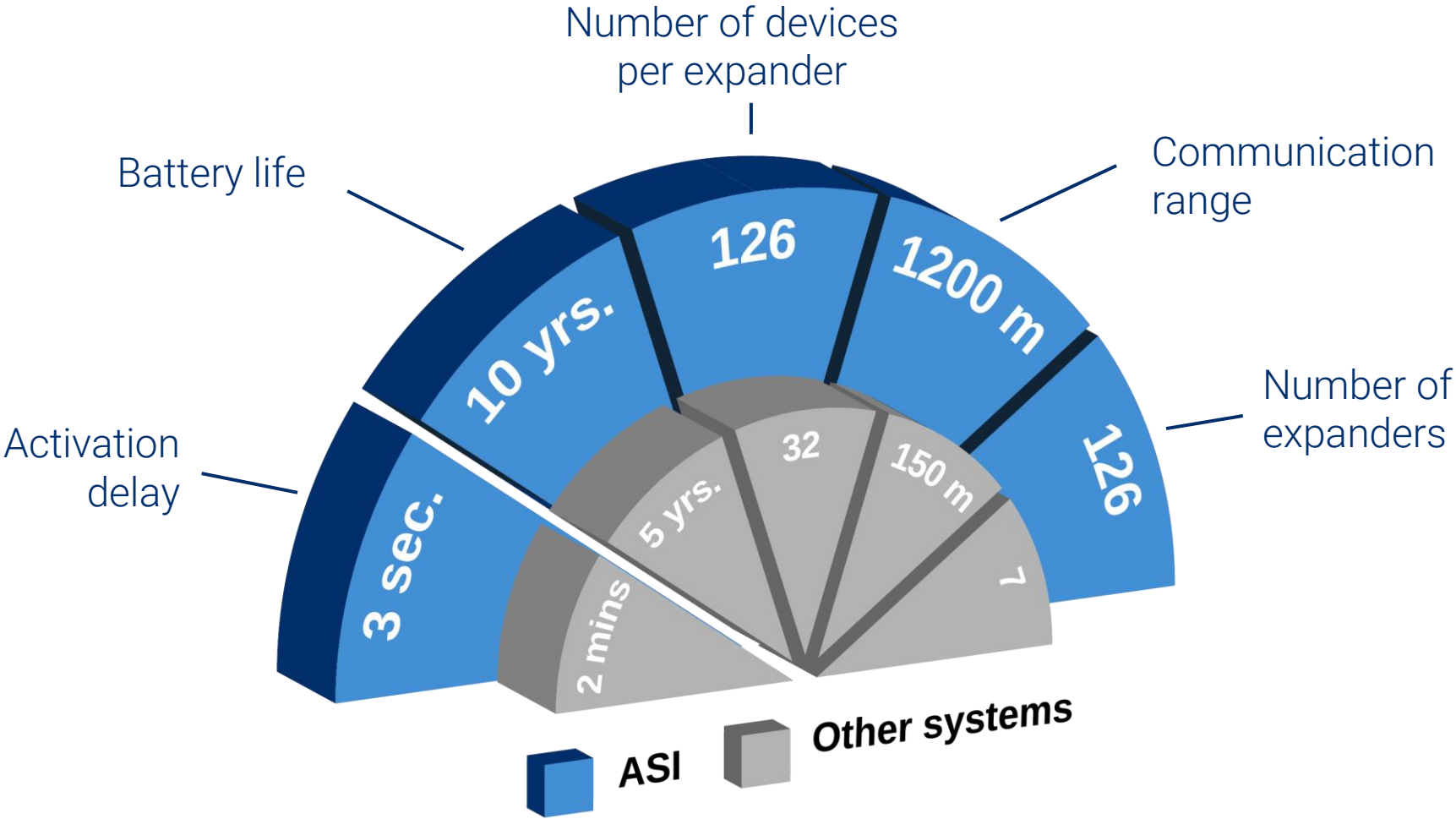
Up to 126 expanders

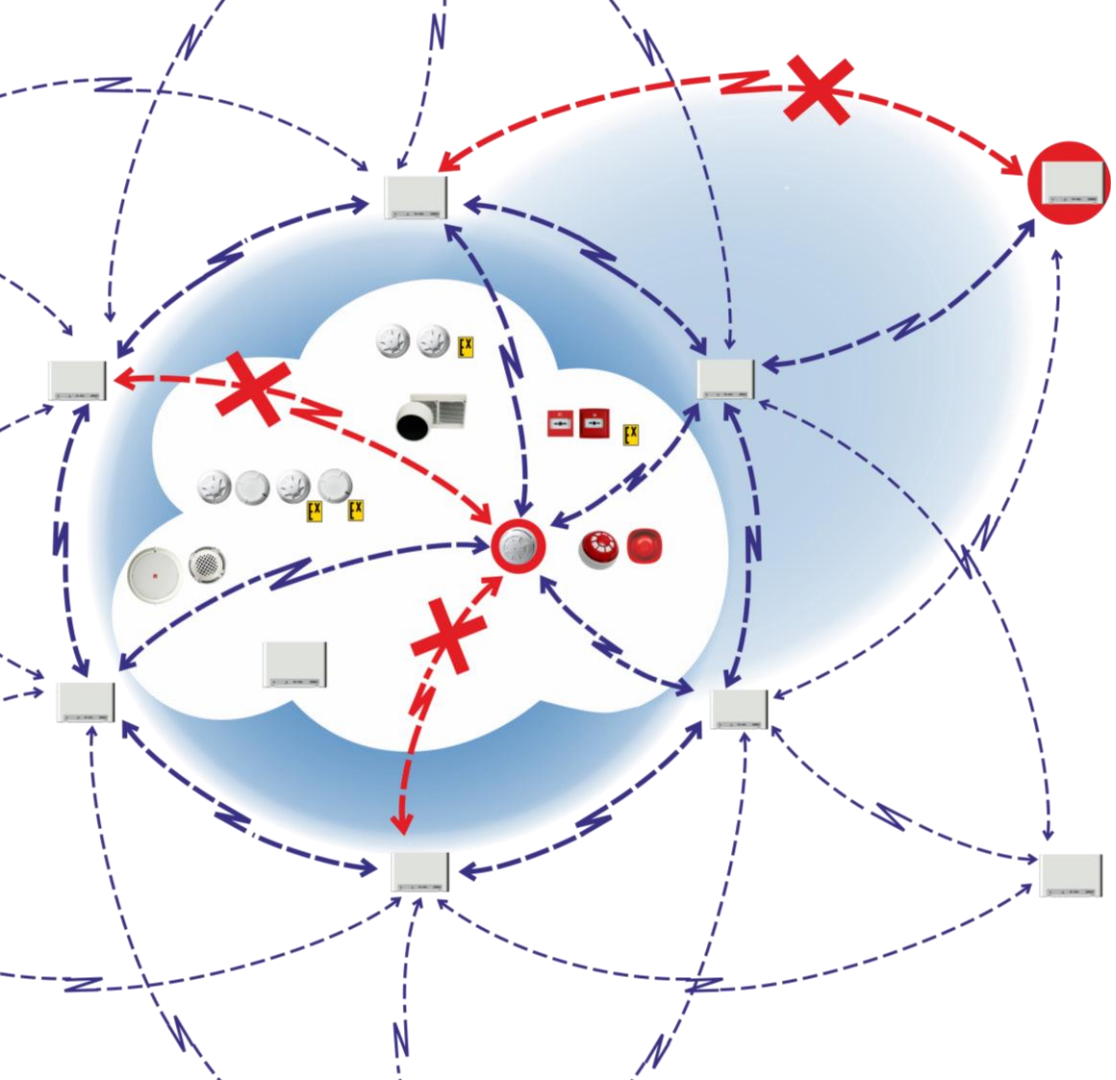
High-rise buildings



Up to 2000 devices in one building

Main Features


Number of devices per expander
Battery life
Communication range
Number of expanders
Activation delay
3 sec.
10 yrs.
126
1200 m
126
2 mins
5 yrs.
32
150 m
1
ASI
Other systems



Mesh network

Dynamic and
self-configurable

Product range

Translator & expander modules

Optical & thermal sensors

Multi-sensor

Optical sensor with in-built voice annunciator

Optical & thermal sensors with in-built sounder

Manual call point

Wall sounder

Input & output modules

The Technology

Cables highly venerable
in the event of fire

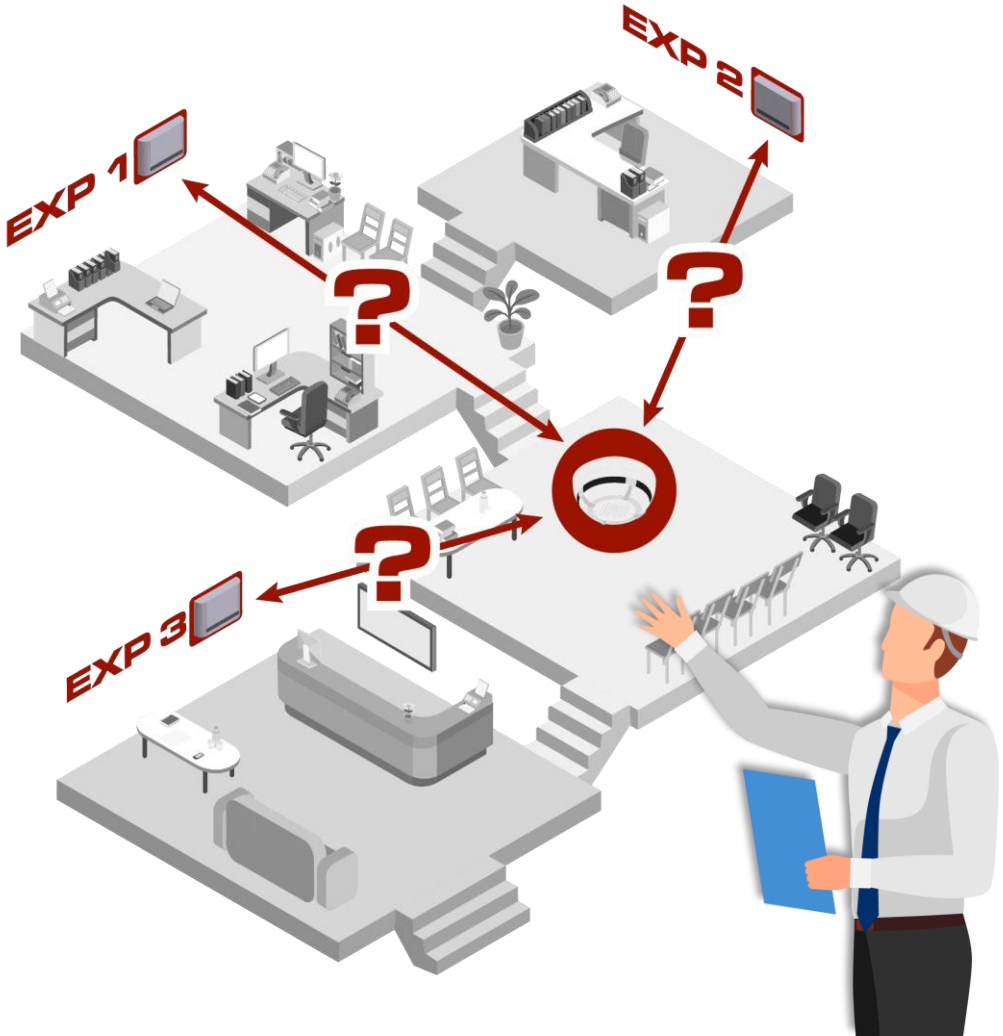
Limited information
on spread of the fire
condition

Wireless alarm stays connected

Fire is monitored and the location of people can be predicted

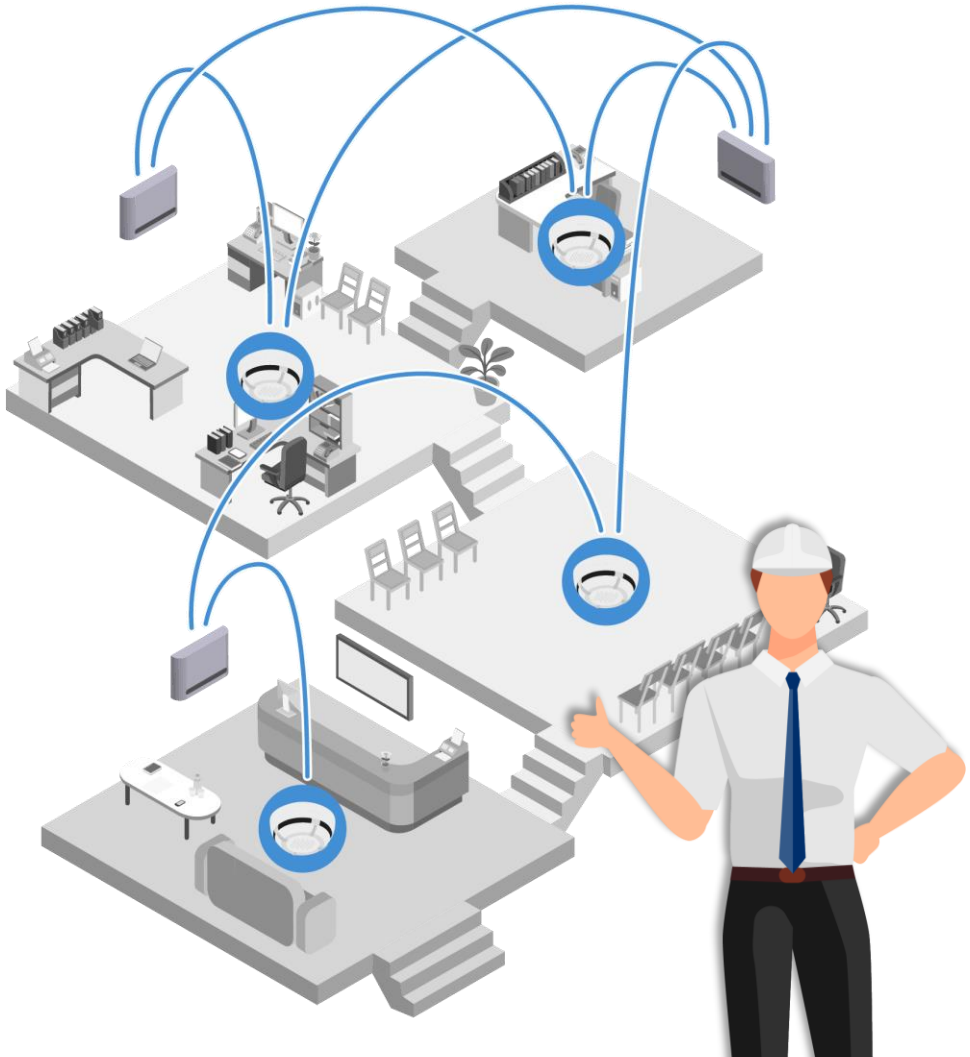
Last generation wireless alarm

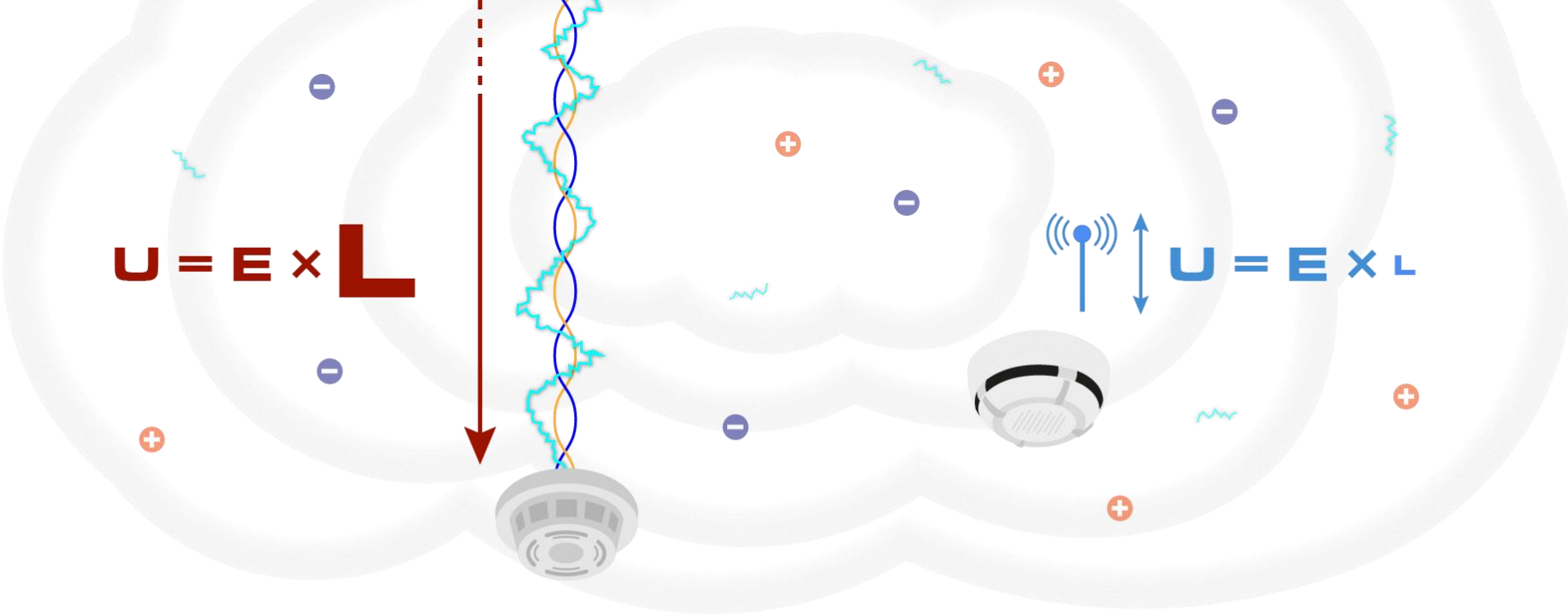
Which **expander** should be linked to the **sensor?**



Mesh network

Install expanders and devices automatically form a network

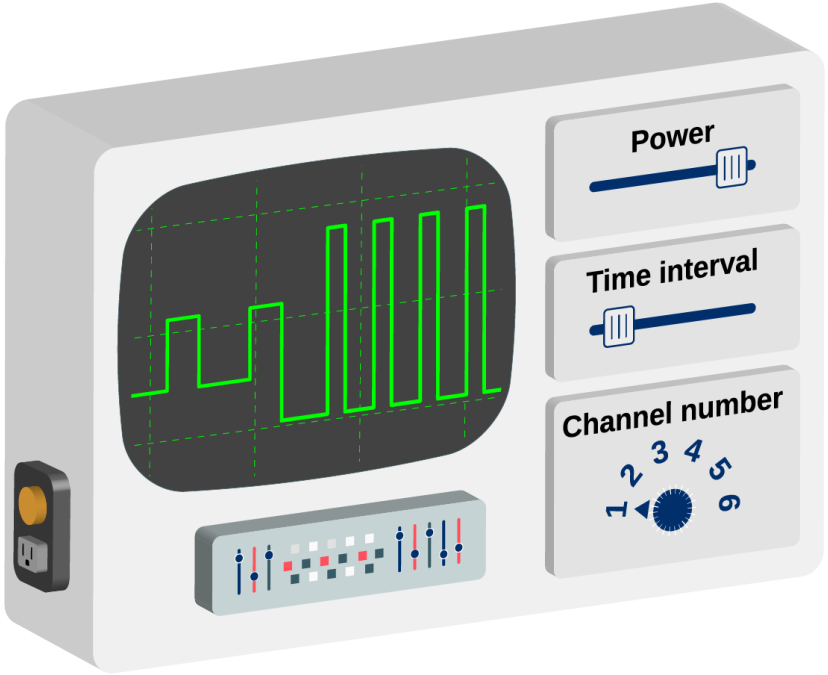




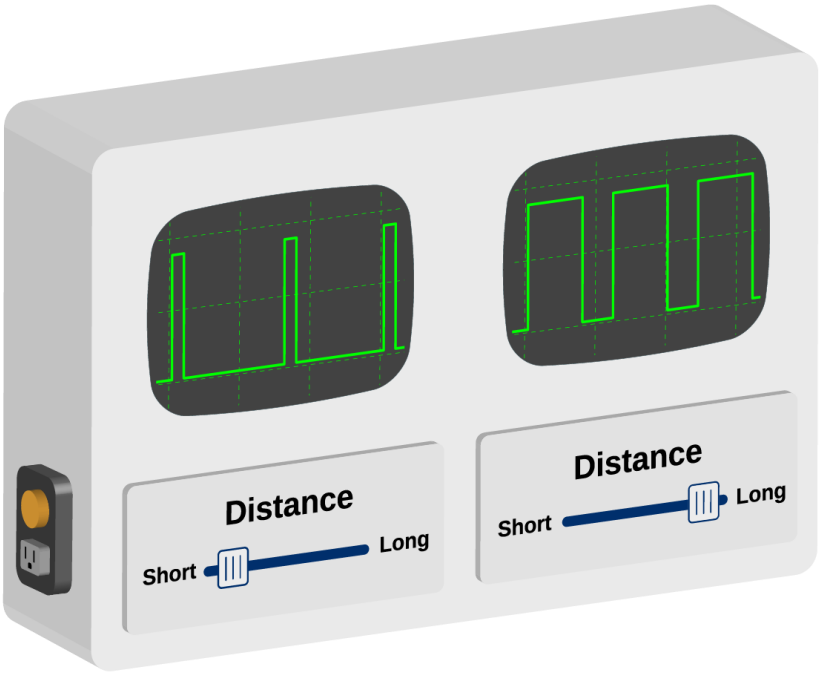
Longer wires –
stronger interference

**No wires –
no interference!**

3-step protection from interference



1. Increasing the effective radiated power
2. Decreasing the time interval between signals
3. Switching to a backup frequency channel



Communication distance 1200 meters in free air

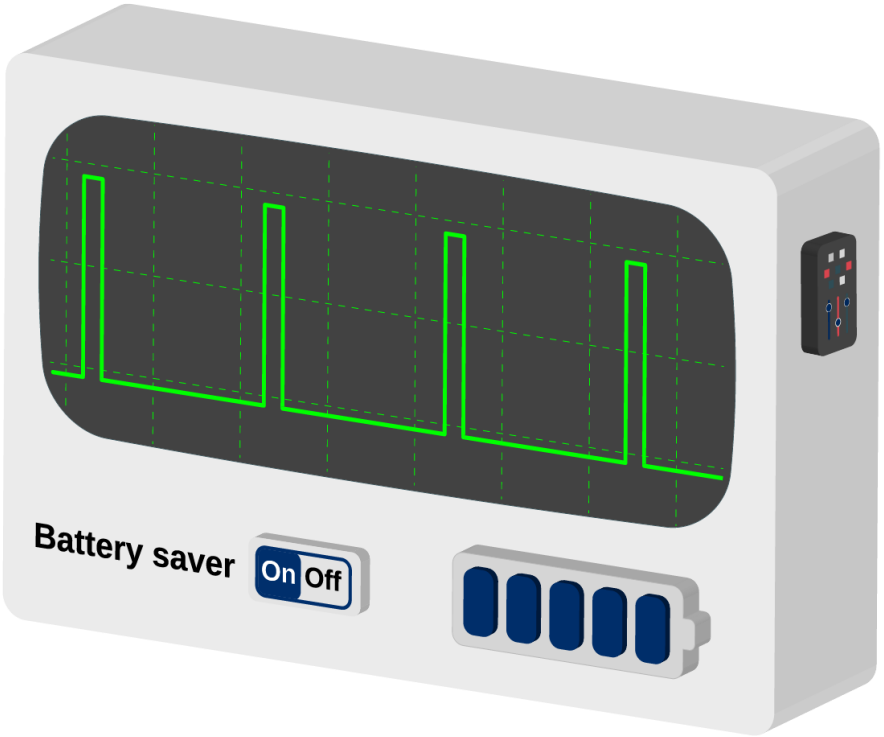
Transmission time of packages is adjusted to the distance

10-year battery life

Low effective radiated power

Brief active period

2-minute intervals between packages



New battery technologies

trickle down to the fire alarm market

Compliance


LPCB®

www.redbooklive.com

Certificate of Management System Registration

Certificate Number: 1571 Issue: 01

Argus Spectrum International

having complied with the requirements of:

ISO 9001:2015

Quality Management Systems - Requirements

is certified by BRE Global Ltd. and is authorised to use the LPCB Certification Mark on stationery and publications related to the following products and/or services:

Argus Spectrum International
Laitaatsillantie 3
57170
Savonlinna
Finland

Scope:
Manufacture of fire and security alarm system components.

in force through regular surveillance activities.

18 October 2019 Date of this issue
17 October 2022 Expiry Date
18 October 2019 Date of First Issue

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Factory Approvals

Certificate of conformity
of quality management system
to **ISO 9001:2015**

Received from
LPCB / BRE Global (UK)
in October 2019

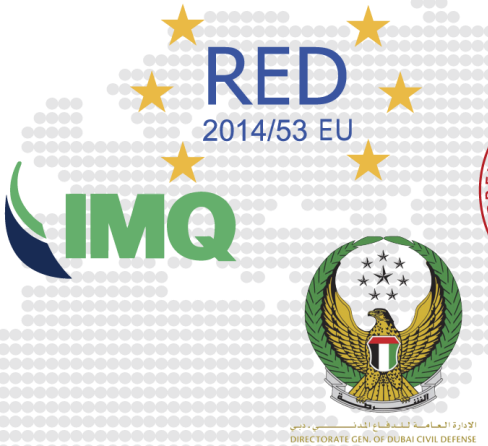
Product Approvals

Full range of devices compliant with the **EN-54** standards for protection equipment

Received from
LPCB / BRE Global (UK)
in May 2020

ASI equipment RED compliant

2020
2019
2018
2017 — All wireless equipment must comply with RED
2016
2015
2014 — RED was introduced
2013
2013



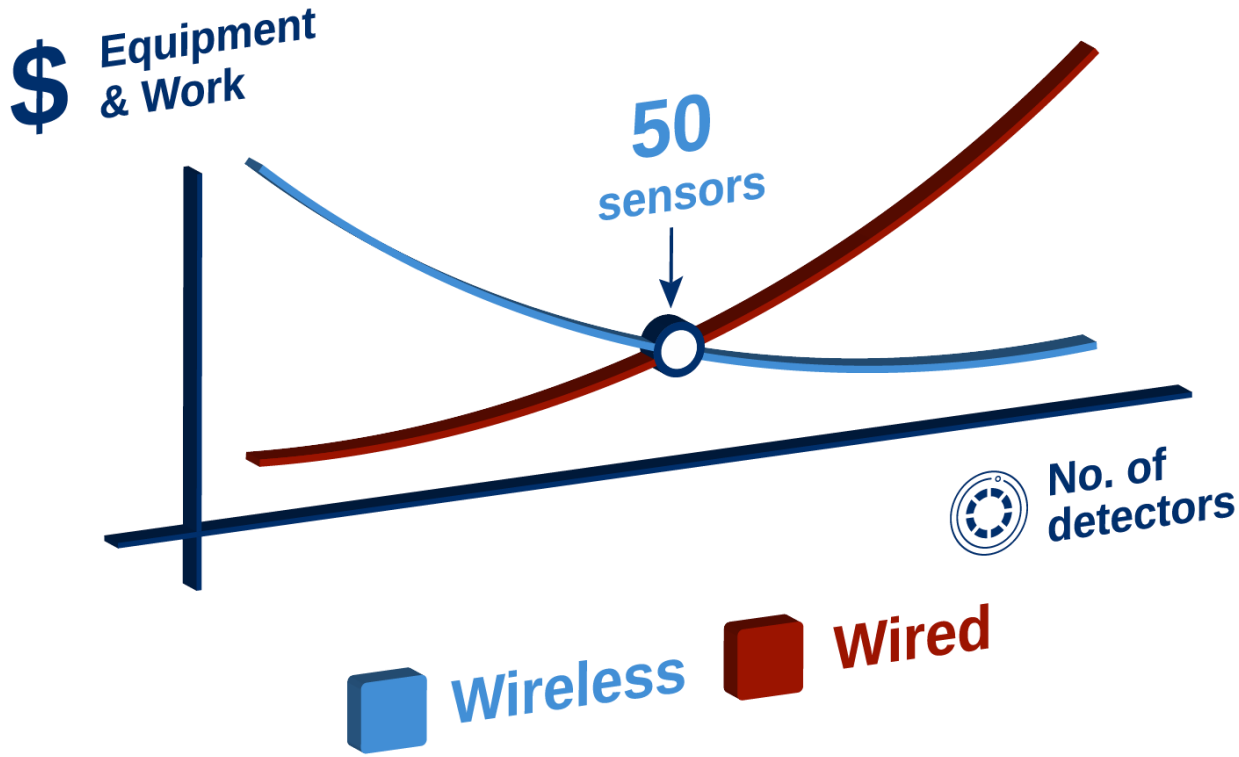
Approved in 83 countries

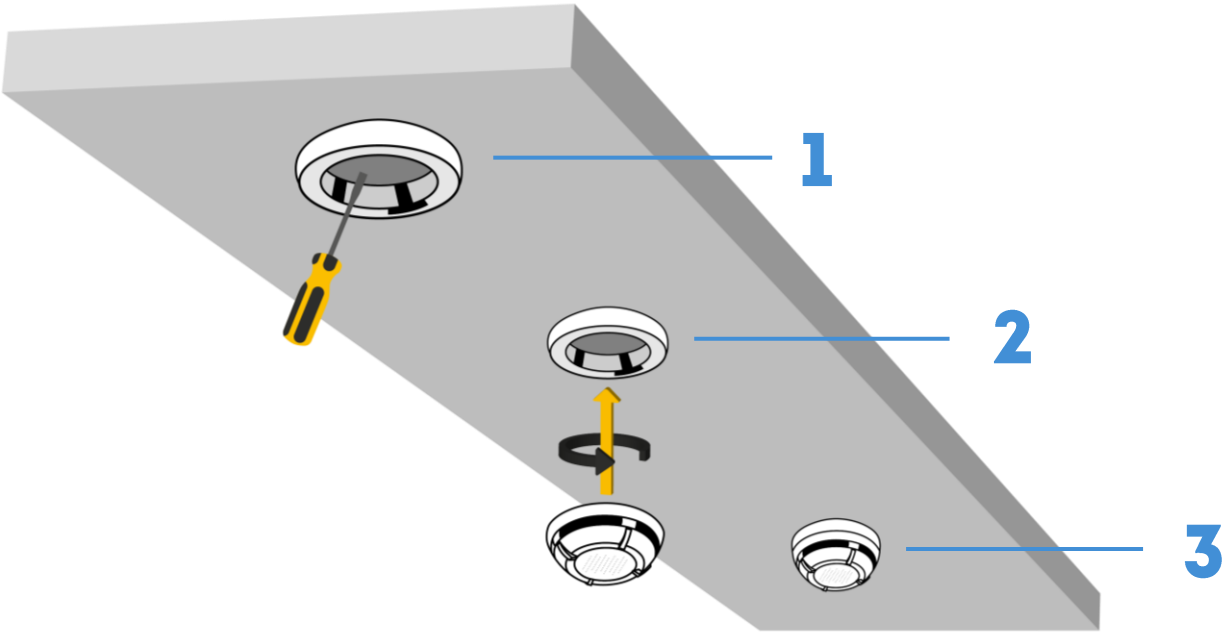
Certified by BRE, DCD, EAEU, SAI, IMQ, Element

SAI GLOBAL

The business side

Price correlation

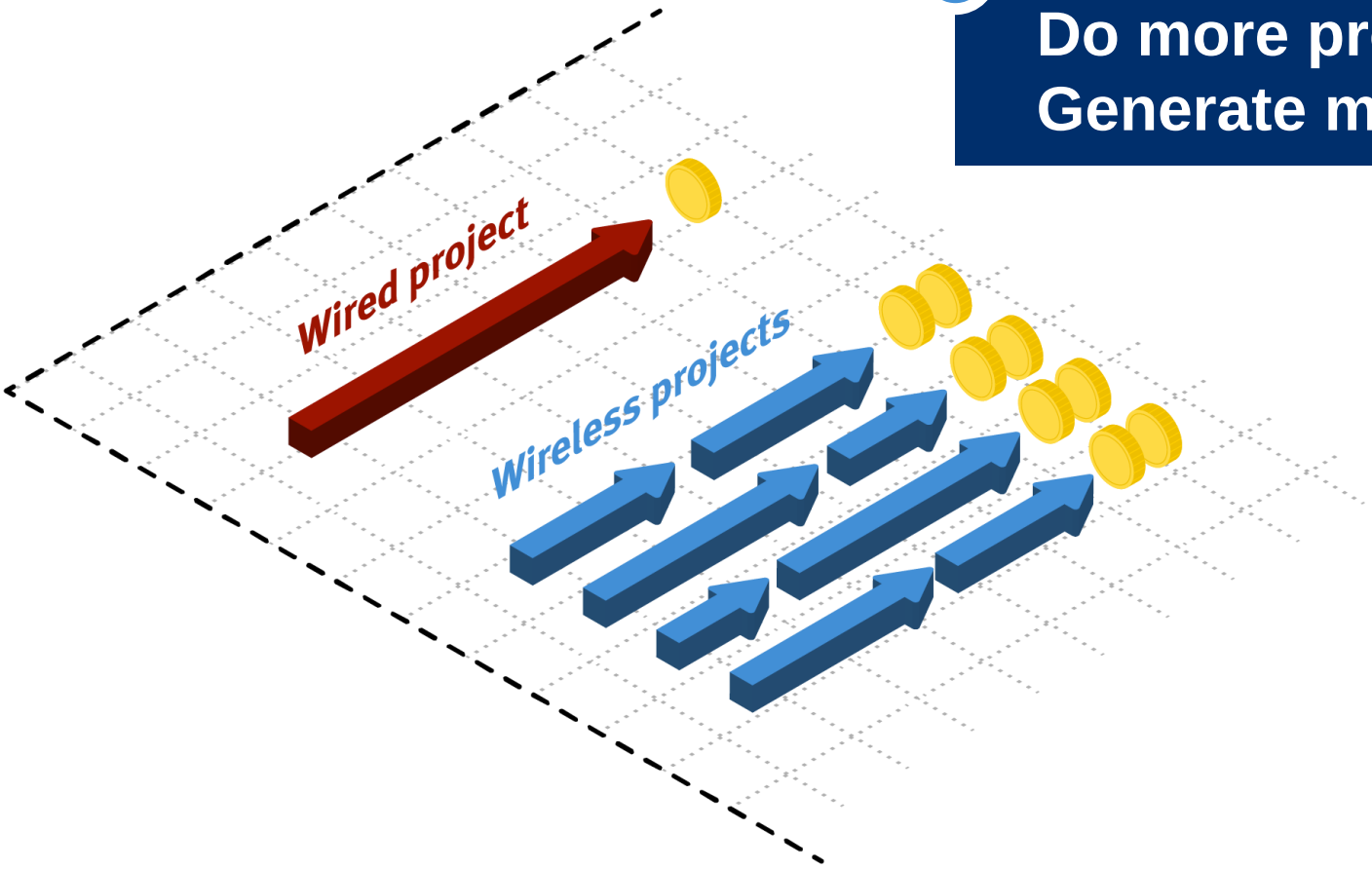


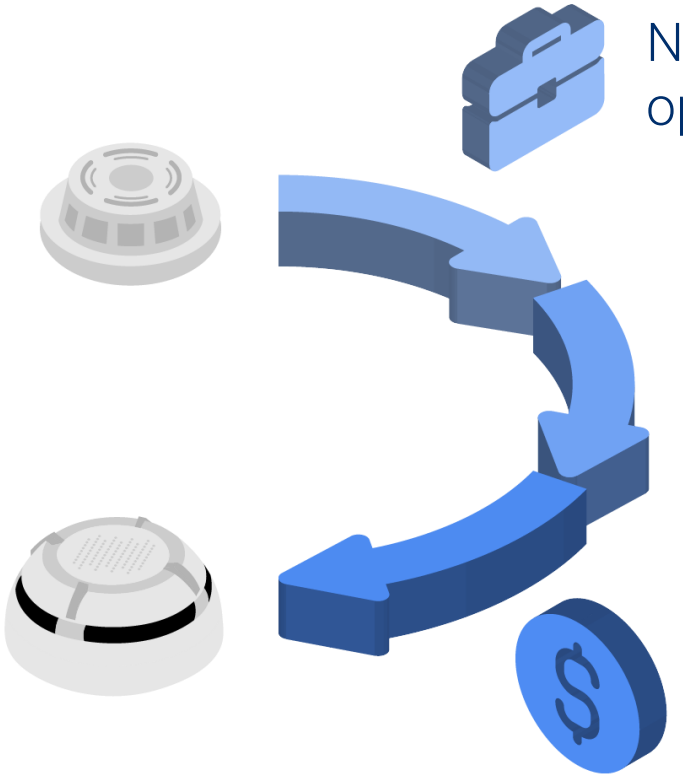


Quick & easy installation

Minimal work and tools

Do more projects
Generate more revenue





No disruption to operation of building

No damage to building interior

Cost & time efficient

Retrofit an old fire alarm

Quick installation is safe installation

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