

A photograph showing a large number of pigeons in flight against a clear, bright blue sky. The pigeons are captured in various stages of flight, with their wings spread. On the right side of the image, a portion of a brick building is visible, featuring decorative architectural elements and windows. The overall scene conveys a sense of freedom and movement.

**SIEMENS**

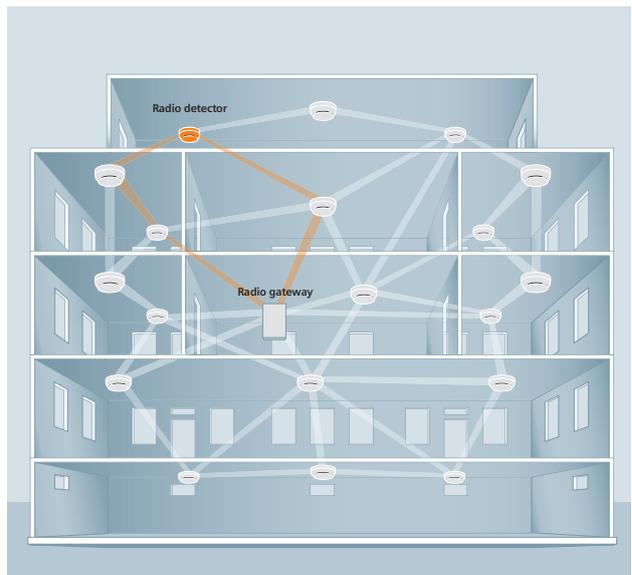
# SWING – being safe, feeling free

Wireless technology for maximum life safety and flexibility

Answers for infrastructure.



Wireless devices can be freely positioned and repositioned, increasing flexibility should the room usage change in the future.



With SWING, you can reliably protect up to five floors with one gateway – and without the need of cabling.



## Maximum protection with unique technology

With SWING, Siemens sets new safety standards in radio fire detection – by combining the highly reliable mesh technology for safe wireless transmission with the unique *ASAtechnology* for high detection reliability.

### Advantages of wireless technology

Radio fire detection is the ideal solution for rooms or buildings of historical value, with aesthetic or architectural restrictions or for temporary installations. Thanks to wireless technology, devices can be quickly and freely positioned and repositioned. This facilitates planning, allows for cost-efficient installation and offers a high level of freedom and flexibility should room usage or building structure change in the future.

### Application examples for SWING

- Museums, historical sites, libraries
- Hotel rooms, offices, convention halls
- Industrial rooms with changing usage
- Temporary installations like exhibitions

### Efficient commissioning without interrupting business processes

Mesh technology facilitates planning, as no cables are needed. Smart tools and remote access allow for timely handover without interrupting your business processes because a wireless connection to a SWING device is sufficient. Integrated in the fire protection system, SWING can be accessed via the control panel or remotely via the Internet.

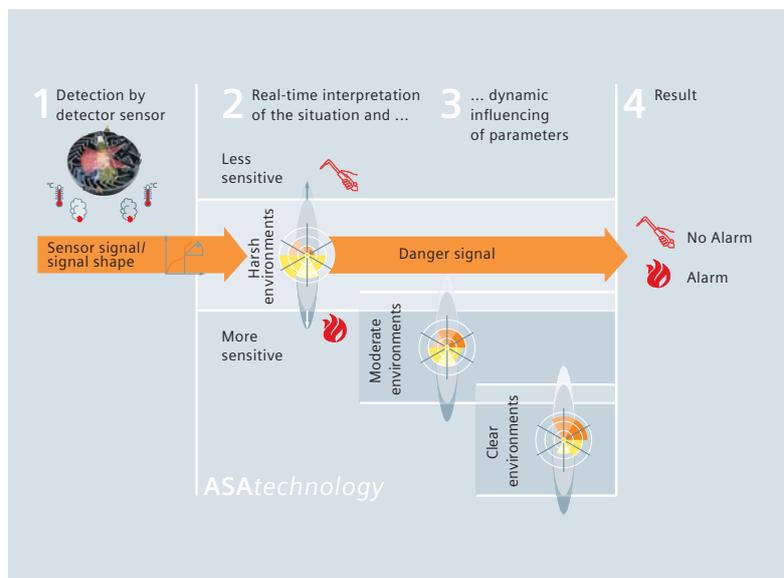
### Mesh technology – outstanding connection reliability

Mesh technology takes wireless network and communication reliability to the max. Because all wireless devices communicate with their neighbors, at least two redundant paths are always available to transmit information. To increase reliability even further, each wireless device has two frequency bands with several channels. In case of a disturbance, the network will mend itself by automatically changing the channel or frequency band or by rerouting the information via another neighboring device. That way, all information will always reach the gateway, making the wireless network as safe as a cabled one.

Moreover, mesh technology enables large and powerful wireless networks: An installation with one gateway can have a radius of up to 90 m. Taking into account local regulations, it can span up to five floors. As all wireless devices are interlinked, the gateway does not need a direct connection with each and every one.



SWING is ideal for applications with high security needs or where cabling is not suitable due to structural/aesthetic reasons.



The dynamic parameter adjustment of the **ASAtchnology** increases detection reliability and immunity to deceptive phenomena.

### Unique detection reliability with **ASAtchnology**

The SWING detector offers very fast and highly reliable detection response to smoldering and flaming fires caused by the combustion of liquid and solid matters – for highest life safety.

The redundant sensor system with two optical and two heat sensors enables highest detection reliability. The unique **ASAtchnology™** (ASA = advanced signal analysis) from Siemens allows you to optimally adapt the detector to the current environmental condition by simply choosing an application-specific ASA parameter set. **ASAtchnology** interprets and evaluates the signals in real time and dynamically adapts the selected parameter set. As a result, the detector is immune to deceptive phenomena such as dust or steam – preventing false alarms and thus costly business interruptions. This makes the ASA detector the optimal solution for any application, from clean to harsh.

### Relying on long-term experience from Siemens

Products from Siemens are backed by 160 years of experience in fire safety and by the know-how gained from more than 60 million fire detectors installed worldwide. Actually, Siemens was the first manufacturer to offer automatic fire detectors and approved wireless detectors. By introducing mesh technology into fire safety and combining it with its unique **ASAtchnology**, Siemens once again proves its innovation power and technology leadership.

### Highlights

- Safe wireless communication – at least two redundant communication paths
- Highest detection reliability and immunity to deceptive phenomena – with unique **ASAtchnology** from Siemens
- Wide application range – due to selectable application-specific ASA parameter sets
- No costly business interruptions – thanks to self-mending mesh network and deception-free **ASAtchnology**





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The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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#### Answers for infrastructure.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

**“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”**

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