

The Kitemark Scheme for Fire Alarm Installations

Minimize risk and protect your business





By Royal Charter

BSI Key Facts and Figures

The British Standards Institution (BSI) is an approved global certification and testing body. The BSI Kitemark™ was first registered in 1903. The Kitemark™ is a registered and globally recognised product certification mark, owned and operated by BSI. It is one of the most accepted symbols of quality and safety and offers true value to consumers, businesses, government authorities and regulators. BSI's product certification is UKAS accredited and approved by the UAE Civil Defence.

Product Certification with BSI gives you the reassurance that your products and services meet the specifications required to bring them to market. Our trusted experts will help you access global markets and grow your business.



81,000

customers worldwide



11,450

industry experts
dedicated to your
success



5,000+

products tested



3,682

Kitemark licences



135,000

people trained last year



2,893

standards published
last year

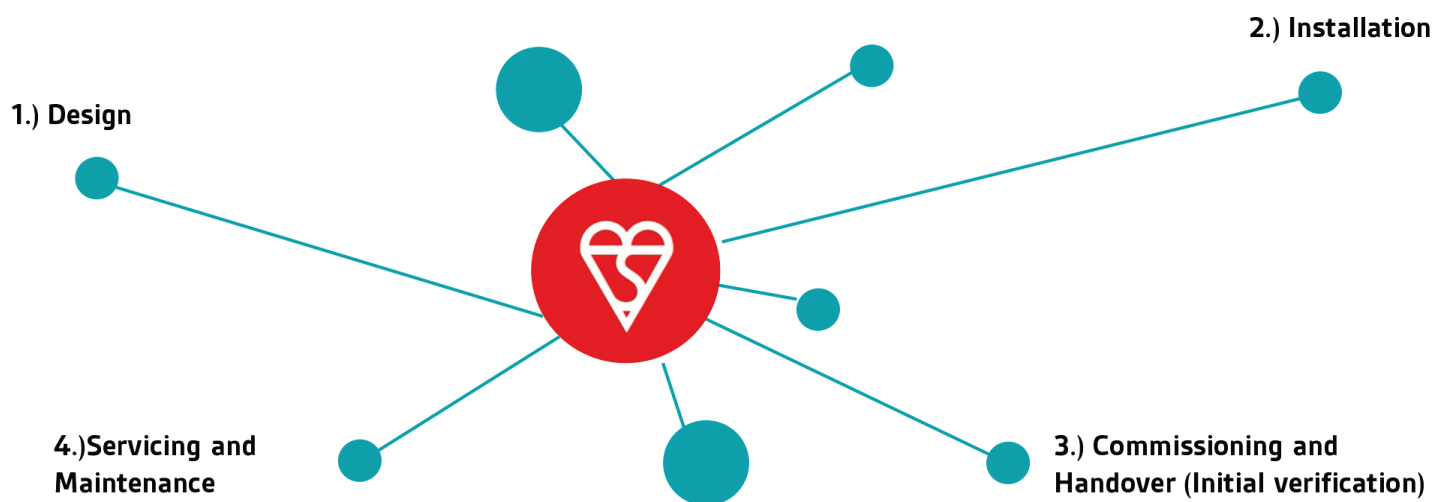




What is the Kitemark™ Scheme for Fire Alarm Installations

Scheme Guidance

This scheme has been operating successfully in the UK for 8 years, it has now been adapted for South Africa and is based on the applicable product standards. The scheme is divided into four modules:



Companies can select all modules, or only the modules covered in their scope of work. Additional modules can be applied for at a later date.

Scheme Requirements

It is not a requirement of this Kitemark™ Scheme for the company to be ISO 9001 certified, but it may help. However the company will be required to have the following management processes in place:

- Calibration records for all test equipment used
- Technician training/competency records
- Technician's internal audits
- Use/Approval of sub-contractors
- Customer complaints process/procedure

Standards covered by the scheme

- **SANS 10139**– Fire Detection and Alarm Systems for Buildings- System Design, Installation and Servicing
- **BS 5389-1**– Fire Detection and Fire Alarm Systems for Buildings (non domestic)
- **BS EN 15004-1**- Fixed Fire Fighting Systems- Gas Extinguishing Systems, Design, Installation and Maintenance
- **ISO/SANS 14520** – Gaseous Fire- Extinguishing Systems, Physical Properties and System Design
- **NFPA 72**- National Fire Alarm and Signalling Code
- **NFPA 2001**- Standard on Clean Agent Fire Extinguishing Systems
- **NFPA 12** - Standard on Carbon Dioxide Extinguishing Systems

4 Modules and their key requirements

1 Design

Key requirements:

Competency of the nominated designer(s):

- Good working knowledge of the relevant code (i.e. NFPA 72)
- SAQCC Fire D & GS valid registration

Review of actual design projects:

- The project has been designed to the requirements of the relevant standard
- The project meets the requirements of any contract specification
- The audit normally is completed by referring to design drawings
- Site inspection is undertaken

Review of actual design projects:

- Correct automatic detection location and spacing
- Sound pressure levels
- Required design certificate issued
- False alarms
- Standby batteries calculations
- Interface with other building services (lifts, sprinkler systems)
- The manual fire alarm call-point locations

2 Installation

Key requirements:

Competency of the nominated installers:

- Good working knowledge of the installation requirements of relevant code (i.e. NFPA 72)
- SAQCC Fire D & GS valid registration
- Good knowledge of national wiring regulations

Review of actual installation projects:

- The project meets the requirements of any contract specification
- The installation meets the requirements of the relevant code
- Site inspection undertaken

Area reviewed to include:

- The cabling is correctly installed and segregated from other cables
- Automatic detection/manual fire alarm call-points correctly installed/locations
- Cable testing
- Mains power supply correctly installed
- All required documents/certificate issued

3 Commissioning and Handover (Initial verification)

Key requirements:

Competency of commissioning technicians:

- Good working knowledge of the commissioning requirements of relevant code (i.e. NFPA 72)
- SAQCC Fire D & GS valid registration

Review of actual commissioning records:

- The commissioning meets the requirements of the relevant code
- Site inspection undertaken & functional testing

Area reviewed to include:

- Test Plan/Check List
- All devices functionally tested
- Sound levels are checked
- All functions of the control panel checked
- Remote signally checked
- All required documents issued
- All required documents/Certificate(s) issued.

4 Servicing and Maintenance

Key Requirements:

Competency of the maintenance technicians:

- Good working knowledge of the installation requirements of relevant code (i.e. NFPA 72)
- SAQCC Fire D&GS valid registration

Review of actual Maintenance records:

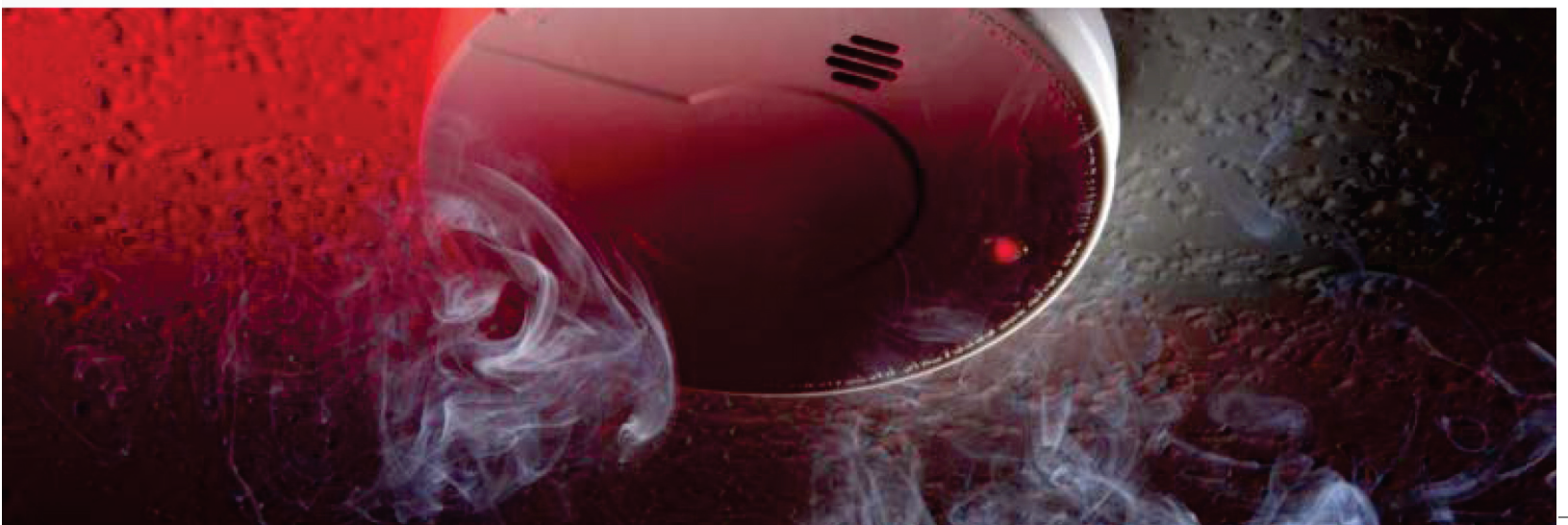
- The maintenance meets the requirements of the relevant code
- Site inspection undertaken & witness the servicing of a fire alarm system

Area reviewed to include:

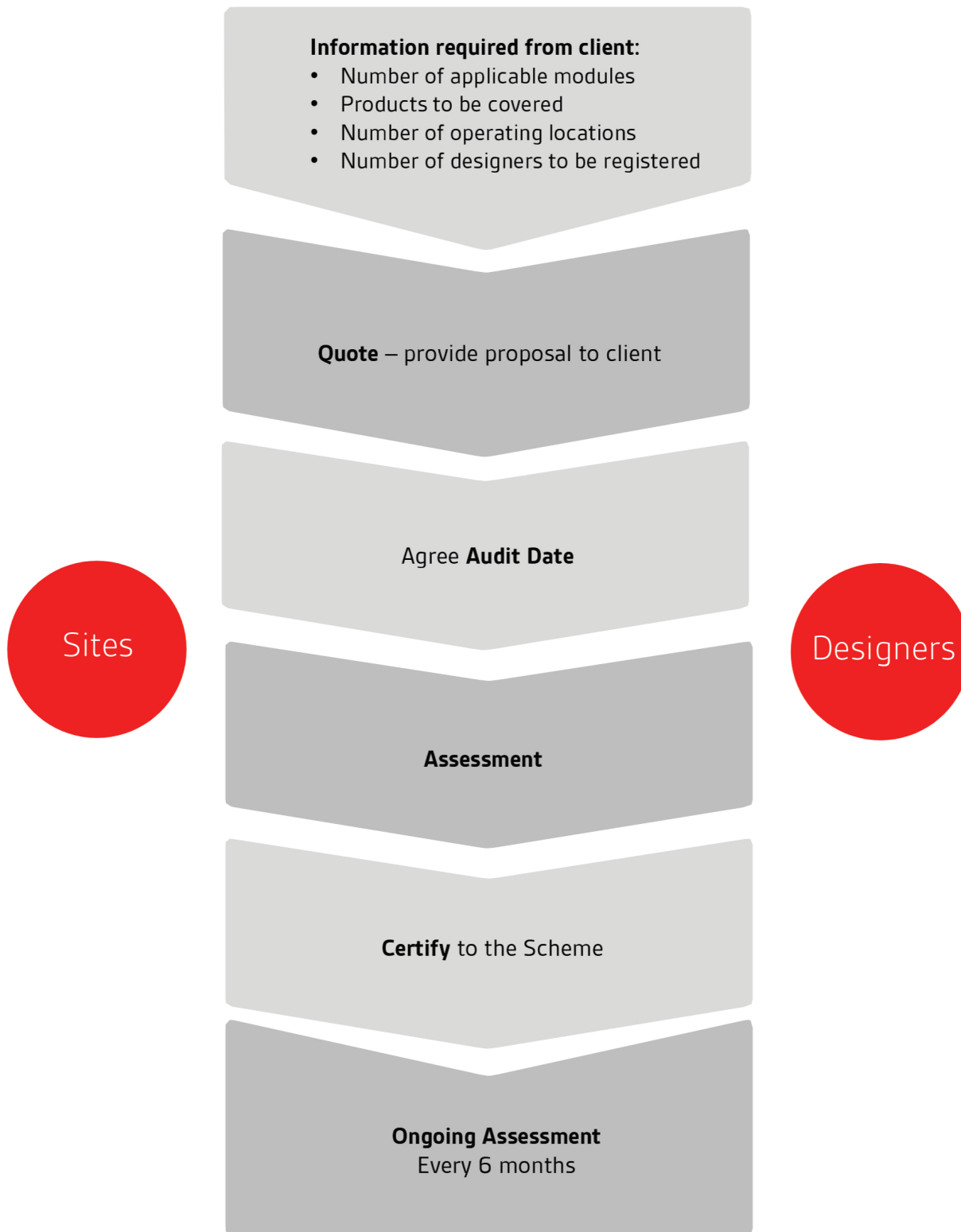
- All devices tested
- Standby batteries checked
- All functions of the control panel checked including for fault indication
- Remote signalling checked
- All required documents/certificates issued

Benefits

- Leverage new business
- Differentiate yourselves from your competitors
- New opportunities for business growth regionally & globally
- Improve your quality and deliver efficiencies
- Gain a competitive advantage through BSI Kitemark recognition
- Show dedication to continual improvement
- Manage and reduce risks
- Build a trusted reputation
- Demonstrate best practice



Steps to Certification



Continually improve and make excellence a habit

About BSI Kitemark™

In 2015 an independent consumer survey showed that the BSI Kitemark is associated with rigour; consumers know products and services displaying the BSI Kitemark are tried and tested therefore consumers trust products and services displaying the BSI Kitemark.

What supports this?



67%
of consumers
have awareness
of the BSI Kitemark



BSI Kitemark could
command **price
premiums** up to

26%



60%
of consumers **willing
to pay more** for a product
displaying a BSI Kitemark.

'The BSI Kitemark has cemented our reputation for high quality reliable products. It has driven us towards manufacturing better products year on year in order to deliver a great service to our clients.

Imad Makhzoumi – Executive Vice President - Asia

We quickly found out how widely recognized and respected the Kitemark is, not just in the UK but also in overseas markets

Stuart Norris, Managing Director of FloPlast

Next Steps

With a wealth of experience in the testing and certification field, BSI is ideally equipped to work with you from the design stage through to the testing and compliance process, helping you to get your products on the marketplace. Whatever level of service is required, from certification to custom product testing or project management for specialist out-sourced testing, BSI is here to help every step of the way.

If you have any questions, please contact us. Our team will be happy to talk you through the whole process.

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