BSI: Your testing and certification partner for excellence

Testing and certification for fire detection, suppression and system installation

bsi.

Introduction

At BSI we have a full range of testing and certification services to enable you to bring your products to market effectively. We're independent of all product suppliers, installers and manufacturers, so we can guarantee a confidential and impartial service, and provide you with reliable objective guidance.
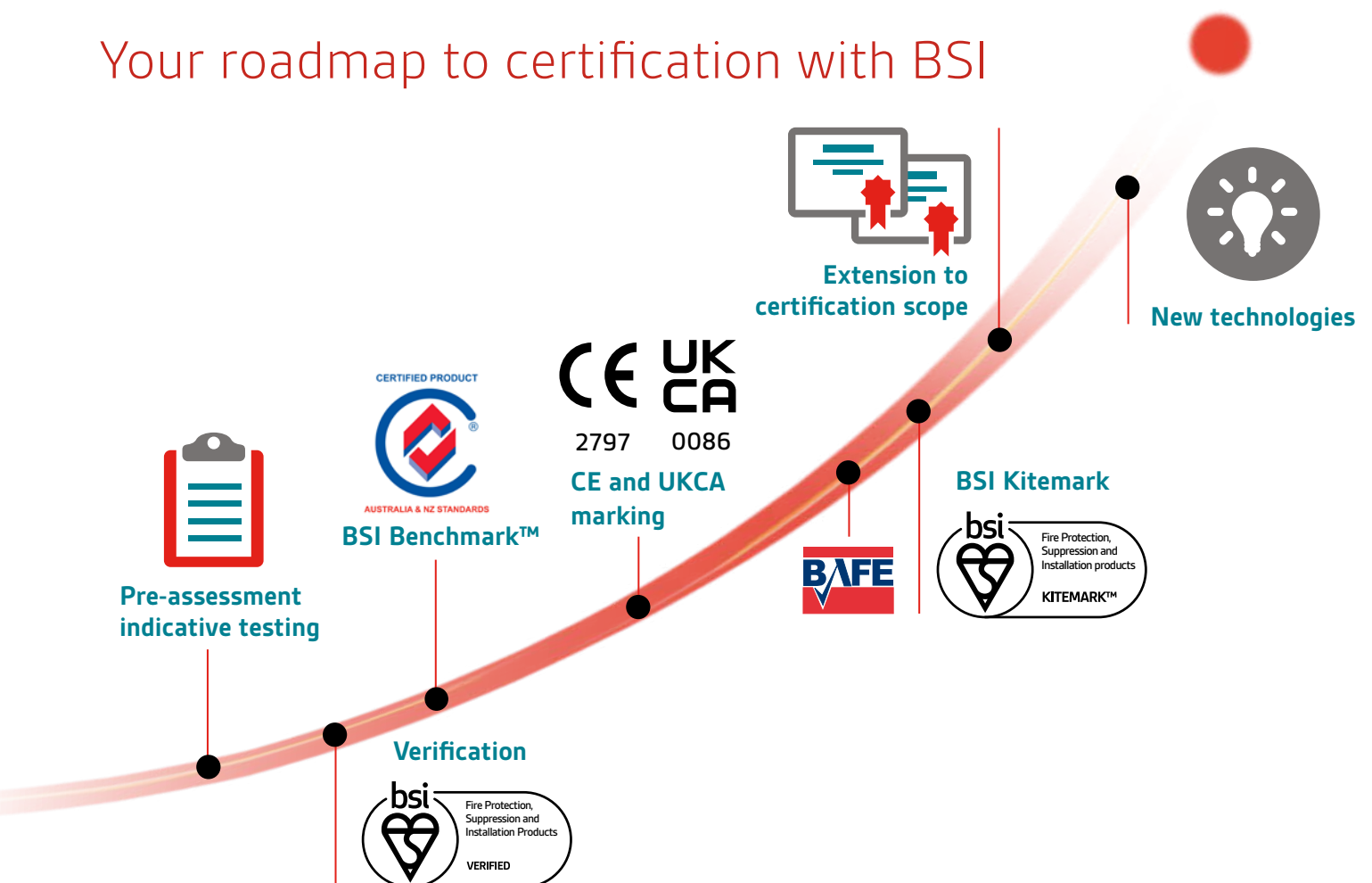
Use BSI to help you independently demonstrate compliance of your new and innovative products or services. We can support your CE and UKCA declaration, provide third party certification such as BAFE or BSI Kitemark™ as your passport to new markets and opportunities

We've been testing fire products since 1960. As a **UKAS and RVA accredited organization**, we have the expertise and integrity to independently endorse your product development, your credentials and your brand. Plus with our Notified (CE) and Approved (UKCA) Body status for specific Directives and Regulations, we're committed to helping you meet and demonstrate compliance to the relevant standards and legislation. We focus on delivering a testing and certification partnership underpinned by quality, safety, reliability and accuracy aligned to your product development requirements.

Where are you on your journey?

We have a full suite of testing services for you to choose from, to help you get your products to market. Plus if you're developing new products, talking to our experts early in the development process can help you realise the full potential and commercial advantage of certification, with significant efficiencies and increased profits to be gained for your business. And with our global reach – with partner laboratories in the UK, Europe, USA, Hong Kong and China, we can support your business locally.

Your roadmap to certification with BSI

Pre-assessment indicative testing

Verification

BSI Benchmark™

CE and UKCA marking

BAFE

BSI Kitemark

Extension to certification scope

New technologies

Our services include:

Pre-assessment/indicative testing

We can help support your product development process to test your innovation as a more cost effective solution before you apply for third-party certification. Any non-conformities can be identified at an early stage, reducing the need for re-testing during a formal compliance test.

Your commercial advantage:
Get your products to market more quickly. Investment at this stage could help you steal a march on your competitors.

Verification

If you've self-declared your products in order to meet specific standards, you'll have your own test data, technical files and test reports. If no standard exists in the marketplace, you may have your own test data or evidence that your product has been assessed to a certain requirement. If you're looking for additional verification of your claims of conformity, we can help. We can review all of your technical information, carry out further tests if appropriate and issue a Verification Certificate to you.

Your commercial advantage:
Self-declaration supported by BSI Verification can offer your customers increased levels of confidence in your products. We'll give you the independent overview in specific technical areas, and you'll be able to use verification to support procurement specifications.

BSI Benchmark™ - enter the AU/NZ international markets

BSI Benchmark is a registered certification mark that is highly recognized and respected as a symbol of quality and safety. A product bearing this mark indicates that BSI has conducted a rigorous audits of its manufacture and production, and symbolizes that the product complies with the appropriate Australian, New Zealand and/or International Standards.

BSI assigns a client care specialist to help you with the pre-audit information exchange and scheduling an appropriate audit date. Our technical experts assist with testing and developing the audit scope. Qualified auditors complete the initial and annual assessments at your manufacturing plans and provide a prompt report of your status against the accreditation scheme.

Your commercial advantage:
The BSI Benchmark is a powerful marketing tool which works around the world as a global passport to help you gain access to new markets.

CE marking

If you want to trade within the European Economic Area (EEA) and your products fall within the scope of a Directive or Regulation, they must meet the essential characteristics of the Directive or Regulation and you must make a declaration of conformity. CE marking has to be in place from launch. By CE marking you can offer customers a measure of reassurance about the safety of your products.

CE marking on a product indicates that the minimum legal requirements for a product have been met and allows the product to move freely throughout the European Single Market.

As a Notified Body (Number 2797) we have the expertise to help you understand what your responsibilities are, and will provide the third-party evidence you need to be able to affix a CE mark to your products.

Your commercial advantage:
If the European market is your destination, the CE mark is your route to sales and opportunities.

UKCA marking

UK CA 0086

If you want to trade with Great Britain (England, Wales, Scotland) and your products fall within the scope of the PPE Regulation and you must make a declaration of conformity. UKCA has to be in place from launch. By UKCA marking you can offer clients a measure of reassurance about the safety of your products. UKCA marking on a product indicates that the minimum legal requirements for a product have been met and allows the product to be placed on the British market. As

an Approved body (Number 0086) we have the expertise to help you understand what your responsibilities are, and will provide the third-party evidence you need to be able to affix a UKCA mark to your products.

Your commercial advantage:

If the Great Britain market is your destination, the UKCA mark is your route to sales and opportunities.

BSI Kitemark™

bsi Fire Protection, Suppression and Installation products **KITEMARK™**

BSI Kitemark has been in existence since 1903. We're proud to own it. It's unique to BSI and has helped to address safety, quality and security issues for thousands of products.

Rigorous testing to national or international standards, on-going sample testing to avoid any slippage of manufacturing quality or product performance, and annual assessments of factory production controls all combine to give truly robust, independent, voluntary third-party certification with the BSI Kitemark.

> If you choose to implement ISO 9001, the international management system for quality to help control your factory production, we can offer you certification against this management system too.

Your commercial advantage:

The BSI Kitemark is a powerful marketing tool which works around the world as a global passport to help you gain access to new markets.

75% of clients say BSI Kitemark helps them attract new customers

65% confirm BSI Kitemark helps to increase sales

Plus you can offer your customers additional peace of mind. Direct future clients to your full range of BSI Kitemark approved products, listed in our online Kitemark directory to give additional reassurance.

Extending the scope of your certificates

If something has changed which needs to be reflected on your certificate, we can help. From a new location to a new

product or modification, we can help you make sure your products still comply, and your certificate is still valid.

New technologies

Where new or adapted products are ahead of the curve, a relevant standard may not yet be available. We can still help. We can often use other specifications or technical documents, such as trade association specifications or what are known as publically available specifications (PAS's). As long as they're robust, developed by consensus and publically available, we can run a valid certification scheme to them. We're also,

where appropriate, able to combine clauses from specific standards in order to be able to offer third-party certification.

Your commercial advantage:

You could be first to market, gaining a significant competitive edge. Combining this with the BSI Kitemark could significantly boost confidence in your products.

Our facilities

We offer a comprehensive range of testing and certification for over 90 different standards for BSI Kitemark, CE, UKCA marking and BAFE, including on-site witness testing and integrated multi-assessments.

At our Centre of Excellence, we have facilities to undertake a wide range of testing on fire suppression equipment at our Hemel Hempstead Laboratories and have off-site facilities for fire testing. Our labs have a comprehensive range of equipment for testing fire detection panels, power supplies, detectors or various types, call points, sounders, visual alarm devices and line units. Our engineers can visit manufacturers premises or other independent laboratories to undertake work where this is convenient and suitable.

Clients are welcome to view the testing of their products, to meet our technical engineers and experience testing first-hand to share with colleagues and technical teams. Plus if you wish to film the testing of your products for promotional or technical purposes, we're happy for you to choose this option*.

*an additional charge may apply

Our fire testing portfolio

Fire suppression

Fire brigade equipment

Fire hoses

- BSI Kitemark

Fire hydrants, landing valves, breeching inlets

- CE marking for underground and pillar fire hydrants
- BSI Kitemark

Hand applied units

- BSI Kitemark

Fire hose reels

- Construction Products Regulation
- BSI Kitemark

Fire hose connectors

- BSI Kitemark

Fire extinguishers

We offer a complete testing package including on-site witness testing and integrated multi-assessment visits.

- CE marking for the following Directives:
  Pressure Equipment Directive (PED)
  Marine Equipment Directive (MED)

- BSI Kitemark for major British and European standards covering specific characteristics, fire performance, test methods, assembly, construction and pressure resistance. Covering portable and mobile fire extinguishers, aerosol fire extinguishers and liquid fire-extinguishing media.

Fire extinguishing systems

Our BSI Kitemark certification covers the full fire extinguishing system rather than individual components although all the components and other associated equipment in the system must demonstrate conformity to relevant international standards.

- BSI Kitemark to BS EN 15004-1 for the design and performance of the gas extinguishing system. This work is carried out either at the manufacturer's premises or at specialist test labs where the facilities comply with the standard's fire performance requirements

Fire blankets

- BSI Kitemark

Fire detection

Alarm systems

Control and indicating equipment, power supplies and fire extinguishing panels

We offer full compatibility testing of the system (control panel devices) and help with CE and UKCA marking for:

- Construction Products Regulation
- Electro Magnetic Compatibility
- Marine Equipment Directive

We also offer testing to the **Marine Agency requirements**

- BSI Kitemark

Line units

- Construction Products Regulation (CPR)
- Electro Magnetic Compatibility (EMC)
- BSI Kitemark

Manual call points

- Construction Products Regulation (CPR)
- Electro Magnetic Compatibility (EMC)
- Low Voltage Directive (LVD)
- BSI Kitemark

Smoke and heat detectors

For multi-criteria detectors combined testing can be undertaken.

- Construction Products Regulation (CPR)
- Electro Magnetic Compatibility (EMC)
- Low Voltage Directive (LVD)
- BSI Kitemark
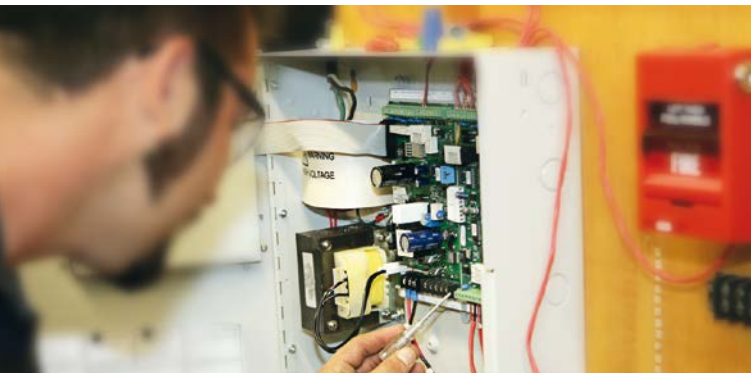
Voice and visual alarms

- Construction Products Regulation (CPR)
- Electro Magnetic Compatibility (EMC)
- Low Voltage Directive (LVD)
- BSI Kitemark

Wireless systems

- CE marking
- UKCA marking
- BSI Kitemark

System installation

Fire alarm, suppression and emergency lighting

- Certification is available for fire alarm systems, fixed fire fighting systems and for emergency lighting
- BAFE approval is available for design, installation commissioning and maintenance of these schemes
- BSI Kitemark

Emergency lighting

- CE marking
- UKCA marking
- ENEC mark for emergency luminaires
- BSI Kitemark

Domestic alarms

Domestic heat/smoke/CO alarms

- CE and UKCA marking against the standards can be complemented by full compliance testing under:
- Electro Magnetic Compatibility (EMC)
- Low Voltage Directive (LVD)
- BSI Kitemark

Domestic combination alarms and domestic combustible gas alarms

For combination alarms, combined testing can be undertaken to the appropriate standards.

- BSI Kitemark

Smoke alarms for the deaf and hard of Hearing

These take on a number of forms; visual with the use of a beacon, or tactile in the form of a vibrating pad or pillow, or both.

- BSI Kitemark

Transferring your certification to BSI

If you're looking to gain access to new markets and take advantage of our expertise, transferring your certification to BSI can bring real benefits.

Our Certification Managers, Client Managers, Test Engineers and Business Development Managers have a thorough understanding of the testing and certification process.

You'll be assessed by the most appropriately experienced professional, perfectly suited to your requirements.

Transferring your existing certification to us is very straightforward – just 4 simple steps.

1 Contact us

Telephone or email us for a no-obligation review of your needs, and a written quotation. We operate with complete cost transparency for your peace of mind.

- **+44 (0)345 0765 606**
- **product.certification@bsigroup.com**

2 Apply

Send us your application together with:

- A copy of any current certification for your product and service if available
- Your latest assessment report*
- Your latest audit test report
- A copy of your type test report**
- We'll then send you a written quotation for your review

3 Receive your certificate from BSI.

4 Keep improving

We'll agree a programme of continuing assessment visits and audit testing to help you maintain your certification and continue to drive improvements for your business.

* if carried out by an accredited body and not more than 6 months old

** Your type test report should be preferably less than two years old. The work should be conducted by a reputable, accredited lab where we recognise the equivalence of the work they do matches with our own.

Additional services

We help manufacturers around the globe by supporting claims of compliance for new and innovative products. You can also use our multiple certification solutions to make sure you have the resilience to be able to cope with growth and be prepared for future challenges. Companies choose our services to protect their supply chain, their data and their operations.

Training from BSI experts

We offer one of the widest ranges of standards-related training available from quality management to managing your energy effectively. We don't just train you to meet standards – we help you to understand how to embed them into your organization.

We know what an auditor will look for – so we train you to meet it. We know the thinking behind the standard – so we can convey that to drive and inspire your people.

We have a team of expert tutors working across the world who can transfer the knowledge, skills and tools your people need to embed standards of excellence into your organization. They have vast amounts of training and assessment experience, and work across a wide range of business sectors.

For our full training courses please visit:

bsigroup.com/training

Certification to management systems

With more than 81,000 certified clients and more full-time assessors than any other certification body worldwide, we are one of the largest and most experienced certification bodies. This means you'll get the most out of your assessment and certification with the least disruption and cost to your operations.

To discover certification for our management systems please visit:

bsigroup.com/certification

BSI Connect software

BSI Connect is the integrated technology solution that inspires trust in your audit, compliance and supply chain activities enabling you to build resilience through data-driven insight.

One integrated tool is all that's needed to manage your business on the go. With BSI Connect, we bring our unmatched expertise together with advanced technology to empower you to make resilient decisions on a single, trusted source of data.

Choose BSI Connect to perform real-time analytics and manage information and operations for your critical business functions and suppliers.

For more information about BSI Connect please visit:

bsigroup.com/software

About BSI

We are the business standards company that equips businesses with the right tools and solutions to turn best-practice standards into habits of excellence. With over 4,000 staff worldwide, we help our clients drive performance, manage risk and grow sustainably.

Founded in 1901 we were the world's first National Standards Body. Now over a century later, we're globally recognized as a champion in best practice. We have been and still are responsible for originating many of the world's most commonly used standards and publish nearly 2,700 standards every year. These standards are developed to address the most pressing issues of today. They also cover various industry sectors, including Aerospace, Automotive, Built Environment, Food, Healthcare, IT and Fire.

All our standards are underpinned by a collaborative and rigorous approach perfected over decades. We always work closely with industry experts, government bodies, trade associations, businesses of all sizes and consumers to develop standards that drive excellence.

We currently work with over 84,000 clients in 193 countries worldwide to help them adopt and cultivate continuous habits of best practice. We also train our clients and provide them with practical implementation guidance, as well as a comprehensive suite of compliance tools. And to ensure our clients get the very best service, we're also independently assessed and accredited globally by ANAB (ANSI-ASQ National Accreditation Board) and 26 other accreditation bodies throughout the world, including UKAS (United Kingdom Accreditation Service).

Our reach is global and we play a key role within the International Organization for Standardization (ISO). As one of the founding members, we help make sure international standards developed address today and tomorrow's business and social needs, while delivering real benefits to an organization and all its stakeholders.

Speak to one of our experts today or visit our website for more information.

Call: **+44 (0)345 0765 606**
Email: **product.certification@bsigroup.com**
or visit: **bsigroup.com/fire-uk-en**

bsi.

BSI Group
Kitemark Court
Davy Avenue, Knowlhill
Milton Keynes MK5 8PP

T: +44 (0)345 0765 606
F: +44 (0)1908 814920
bsigroup.com