BSI: Your testing and certification partner for excellence.

Testing and certification for gas appliances.

bsi.

...making excellence a habit.™

Introduction

At BSI we have a full range of testing and certification services to enable you to bring your products to market effectively. We are 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. Gain CE marking and BSI Kitemark as your passports to new markets and opportunities.
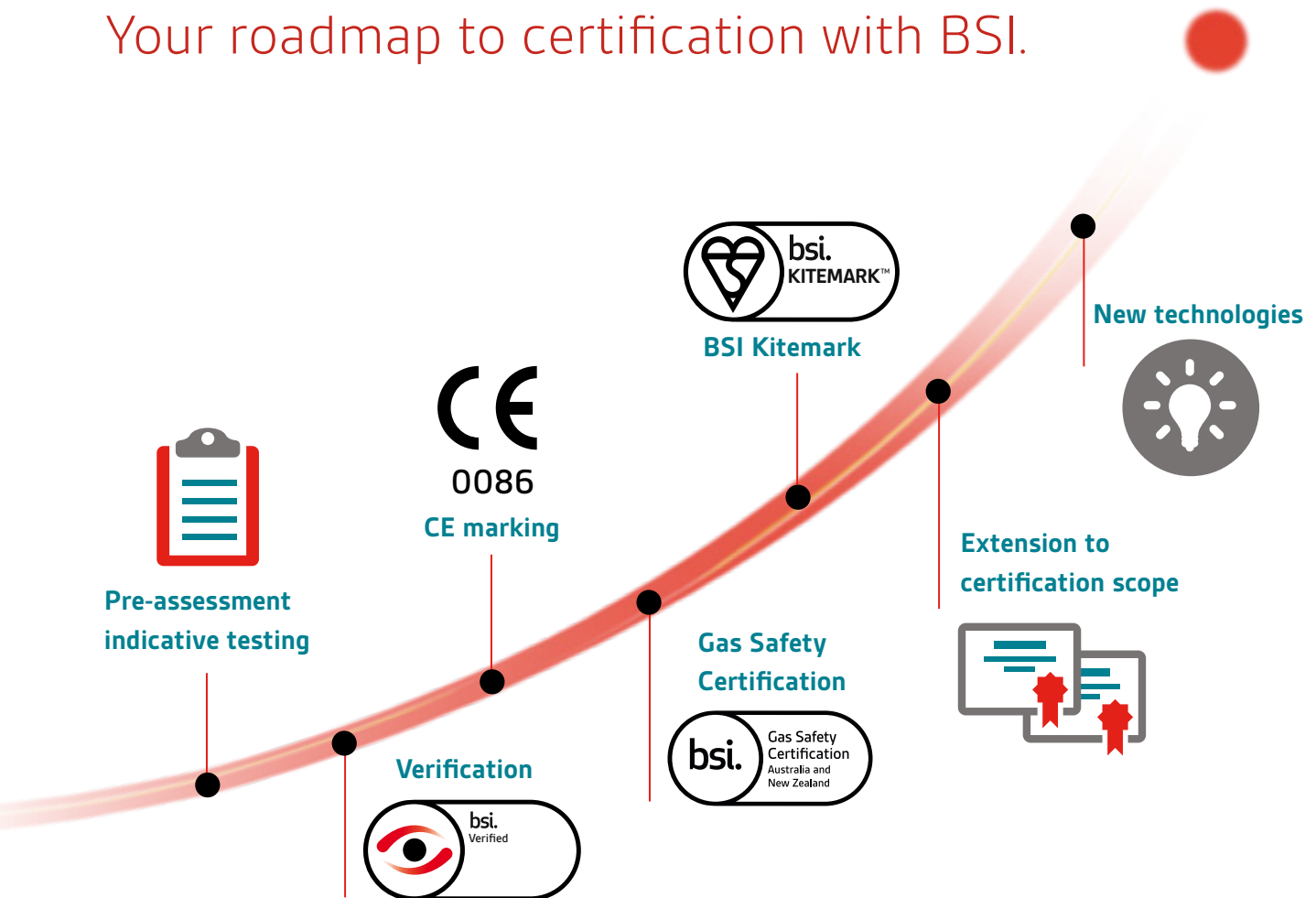
We have been testing gas appliances since 1960. As a **UKAS and JAS-ANZ Accredited Certification Body**, we have the expertise and integrity to independently endorse your product, your credentials and your brand. Our status as a certification body and Notified Body help you meet and demonstrate compliance to relevant standards and legislation providing you access to different markets. 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 are 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. With our global reach and partner laboratories in UK, Australia, New Zealand, North America and China we can support your business locally.

Your roadmap to certification with BSI.

Pre-assessment indicative testing

CE marking

0086

Verification

bsi.
Verified

BSI Kitemark

bsi.
KITEMARK™

Gas Safety Certification

bsi. Gas Safety
Certification
Australia and
New Zealand

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 have self-declared your products in order to meet specific regulations or directives, you'll have your own test data, technical files and test reports. Or 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 that data, we can help. We can review all 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.

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 for your product from launch. By CE marking you can offer customers a measure of reassurance about the quality and safety of your products. As a Notified Body 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 the 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.

BSI 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 a 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.

Visit: **bsigroup.com/product-directory**

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.

Access to Australasia (Australia and New Zealand): Gas Safety Certification

To sell gas products in Australia and New Zealand you must be certified by a recognized Conformity Assessment Body (CAB). BSI has obtained JAS-ANZ accreditation and can help you navigate the regulatory framework to gain the relevant market access and sell your product in this region.

Your commercial advantage:

By combining your testing for Australia and New Zealand with certification for other markets (such as CE marking) you can be quicker in bringing your products to market in multiple regions.

Our facilities

Manufacturers of gas appliances need to ensure that their products are safe, reliable and compliant. With new technologies such as smart heating controls and smart metering influencing the design and manufacture of these products, and an increasing focus on developing energy efficient products, selecting a trusted provider of independent, third party testing and certification is crucial. We have the knowledge and expertise at BSI to help you.

With unrivalled experience, accredited certification and testing, and Notified Body status, BSI is committed to helping manufacturers of gas appliances meet and demonstrate compliance with the relevant standards legislation and international market specifications. Our test laboratories are equipped and accredited to perform safety, performance and energy consumption tests and measurements on a wide range of gas and electrical products for domestic, commercial and industrial use.

Clients are welcome to view the testing of their products, to meet with 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 are happy for you to choose this option*.

*an additional charge may apply

Our gas appliance testing portfolio

BSI has Notified Body Status for **many major European Directives and Regulations**, including these key Directives/Regulations:

- **Gas Appliances Regulation**
  The Regulation is concerned with the safety of gas appliances and related components placed onto the European market, which must comply with the "essential requirements" detailed.

- **Boiler Efficiency Directive**
  The Directive specifies minimum efficiency levels for heating boilers placed onto the European market. Whilst this directive still applies; the limits have, in practice, been made obsolete by other more stringent regulations on energy efficiency (e.g: the UK Building Regulations).

- **Construction Products Regulation**

Controls and ancillary items

All appliances are only as safe as the control and safety devices used within them. We can test control devices either as a component part of an appliance, or they can be independently tested prior to being supplied to OEMs for inclusion with an appliance.

With our experience we are able to perform testing on most major gas and electrical / electronic components intended for use in household and commercial gas and electrical appliances

Burner controls

We can test against numerous standards including BS EN 298, and provide BSI Kitemark certification. Burner Controls for gas appliances fall under the scope of the Gas Appliances Regulation for which BSI is a Notified Body.

Valves

This includes ball valves and automatic shut off valves. We are able to test these products to a range on European, British and International standards.

Hoses, connectors and flexible tubing

The safety of hoses, connectors and flexible tubing is crucial and they must be tested to ensure that they are robust particularly when connected to an appliance which is in use. We offer BSI Kitemark certification for these products to demonstrate safety and quality.

Press fittings

As use of these increases the new Kitemark scheme for copper and stainless steel press fitings based on BS 8537:2010 and prEN 10351:2010 standards is now available. There is currently no CE marking required for these products so BSI Kitemark certification is a real differentiator and can help show truly independent third party certification.

Chimneys and flues

These are tested to withstand high temperatures and safely remove carbon monoxide. They fall within the scope of the Construction Products Regulation (CPR 305/2011) and BSI is a Notified Body to support CE marking for this regulation.

Leisure and camping appliances

We can carry out safety testing on a range of gas, solid fuel and electric products intended for use in the leisure industry, such as:

- Gas barbecues and patio heaters
- Outdoor heating and lighting appliances
- Solid fuel barbecues
- Equipment for use in caravans and recreational vehicles
- Vapour-pressure camping equipment

In addition we can frequently adapt our extensive test equipment to new types of product where needed, and we have facilities to evaluate:

- Gas and electrical refrigeration equipment;
- Household and commercial gas and electric tumble dryers
- Household and commercial dishwashing machines
- Pumps
- Gas-proving and extraction systems for commercial kitchens and schools

Domestic and commercial cooking appliances

Methods of cooking have become much more sophisticated over the years and continue to evolve rapidly. The arrival of induction cooking and pyrolytic self-cleaning has meant that cooking appliances often present new risks and incorporate complex electronic systems, so the need for technical capability and testing expertise has never been higher. We can help you with safety and performance testing of household and commercial gas cooking appliances.

If you are looking to access different markets we are able to test products to a range of international standards including, Australia and New Zealand, South Africa, the USA and Canada. We can also provide testing to support CE marking for appliances, and BSI Kitemark certification to show quality, safety and trust.

Water Heating appliances (including Micro CHP)

BSI has extensive facilities and experience with gas, electric and oil-fired water heating products, including those featuring new technologies (such as small-scale CHP or fuel cells) or those with complex control systems to provide high levels of efficiency or user comfort. The range of products we test includes:

- Central heating boilers
- Combination boilers for heating and hot water
- Instantaneous water heaters (gas or electric)
- Storage water heaters (gas or electric)
- Pool and spa heaters

BSI Kitemark certification is available for these products and as a Notified Body we can also provide testing to support CE marking for the Boiler Efficiency Directive (92/42/EC).

Gas Heating appliances

Space Heating and Air-conditioning appliances

We can evaluate a wide range of household and commercial gas-fired and electric space heating and cooling appliances.

- Household gas fires and electric heating appliances
- Household and similar gas fired air heaters
- Household electric heat pumps and air conditioning units
- Agricultural heaters
- Commercial warm air units (condensing or non condensing)
- Commercial overhead radiant heating systems.

Carbon Monoxide Alarms

The BSI Kitemark is available for Carbon Monoxide detectors, and is well recognized by consumers, the Fire Service and specifiers as a mark of quality. The two main standards for these products are: BS EN 50291-1 (Electrical apparatus for the detection of carbon monoxide in domestic premises) and BS EN 50291-2 (Electrical apparatus for continuous operation in a fixed installation in recreational vehicles).

Transferring your certification to BSI

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

You've invested the time to certify your organization, so why not gain the maximum benefit from it. As the business standards company we understand what best practice looks like and work with our clients to embed excellence throughout their organizations. In just 4 steps you can transfer your certification and start making excellence a habit in your business.

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.

- **1300 730 134**
- **info.aus@bsigroup.com**
- **bsigroup.com/gas-au**

2

Apply

Send us your application together with:

- A copy of your current certificate and full scope
- 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 you hold a management system, it might be a good opportunity to bring everything under one roof. There is no charge for transferring your certification. Our quotation will be based on picking up your existing plan and delivering the assessments going forward.

*   if carried out by an accredited body and not more than 12 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 recognize 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/en-au

Certification to Management Systems

With more than 80,000 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.

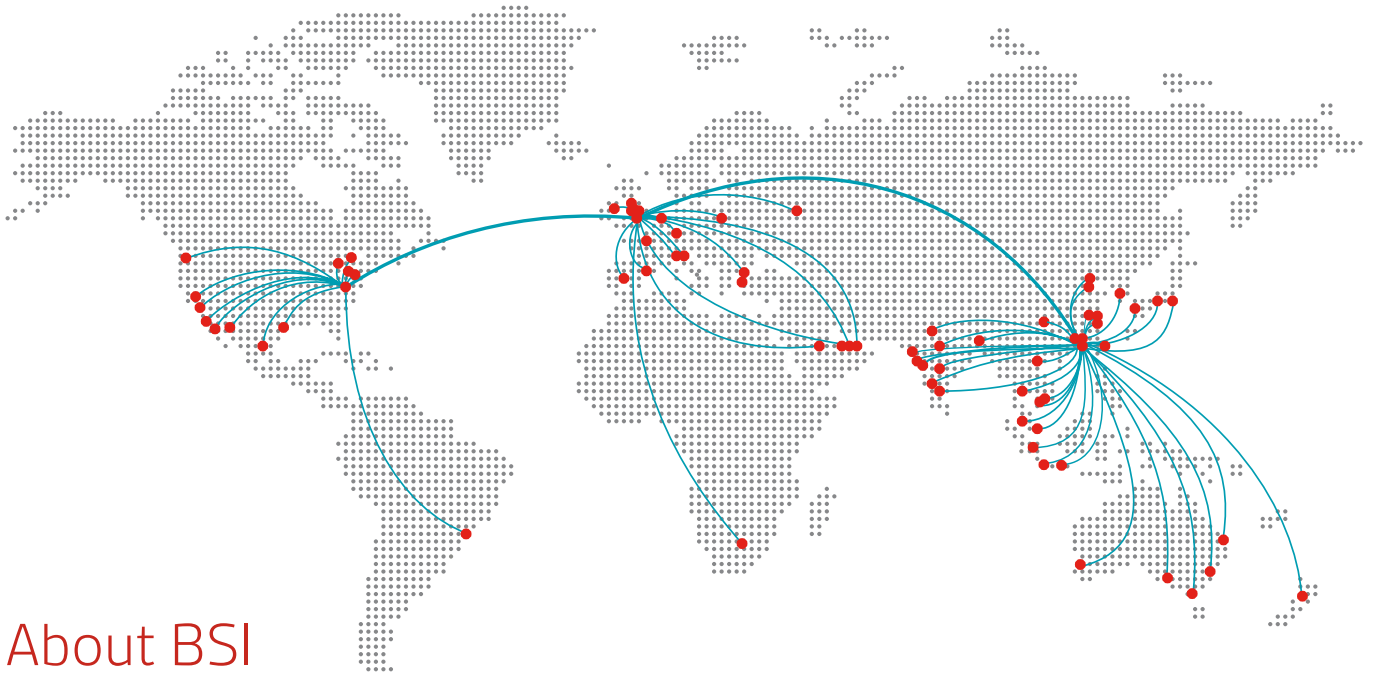**To discover certification for our management systems please visit:**

bsigroup.com/en-au

BSI Business Improvement Software

BSI Business Improvement Software can be an effective way to help you get the most from your business processes. It is a powerful tool designed to streamline critical workflows, drive forward continual improvement, and implement newly revised standards.

Here are 3 key things that demonstrate the value of BSI Business Improvement Software and what the return on investment could be:

1. **Traceability:** Our software can increase traceability and improve transparency and rigor to your operations. So if there are parts of your business that are not automated, where manual processes such as spreadsheet management are used, or information is not centralized, then there is an opportunity to improve efficiency.

2. **Visibility:** Our software helps to give visibility across an entire organization, to gain control, and ensure deliverables are met. It's also ideal for organizations operating on multiple sites which can be a challenging environment too.

3. **Process Resilience:** Agile organizations with incisive leadership are more resilient and more likely to grow and prosper. Through its reporting tools such as customizable real-time dashboards, BSI Business Improvement Software gives senior management increased visibility on the entire organization. It can help them to spot trends early on and make timely decisions to keep your business one step ahead.

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) and JAS-ANZ (Joint Accreditation System of Australia and New Zealand).

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: **1300 730 134**
Email: **info.aus@bsigroup.com**
or visit: **bsigroup.com/gas-au**

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