



...making excellence a habit.™

# BSI testing and certification for smart and connected PPE

**Build trust, manage risk and embrace opportunity**



# Build trust in your products – smart and connected PPE

**The IoT presents a huge opportunity to make workplaces safer, improve productivity and reduce costs.**

The use of smart and connected Personal Protective Equipment (PPE) is accelerating faster than ever. As the costs of connectivity and sensors fall, more companies are adopting smart technology. This includes some of the best known and well-established PPE brands and also new market entrants keen to grasp the opportunity of the IoT.

Smart PPE saves time and improves productivity through connectivity, live updates and remote communication. Its use is most prevalent in industries such as oil and gas, mining and construction where opportunities to make the workplace safer are huge. PPE manufacturers are responding to this demand and developing new connected products which is leading to greater adoption.

Common applications include smart communication systems where helmets, ear defenders and respiratory protective equipment can transmit information about noise or other risks. Smart protective clothing can be fitted with gas, chemical, heat, impact or other sensors to monitor both the external environment and the wearers wellbeing, sending an alert to signal danger if required.

Applications and innovations in the field of connected PPE are continually evolving to meet the needs of the workplaces of today and tomorrow.

However, all connected products, including smart and connected PPE are vulnerable to external threats. The increasing awareness of security problems can create a lack of consumer trust in IoT connected devices and reduce business confidence in the return on investment of this technology.

At BSI we focus on delivering a testing and certification partnership underpinned by quality, safety, reliability and trust. As a global organization we have the scale and reach to support organizations large and small and in our dedicated state-of-the-art IoT laboratory our experts provide fast, effective testing for a huge range of IoT products. We are also a Notified Body for CE marking of PPE, as well as offering other market access solutions.

BSI has a world-class cyber security capability, recognized by CREST global accreditation, combined with decades of experience in testing and certification of PPE. We help you embed trust and confidence in your customers by supporting you in ensuring your products are safe, secure and compliant.



# Services we offer

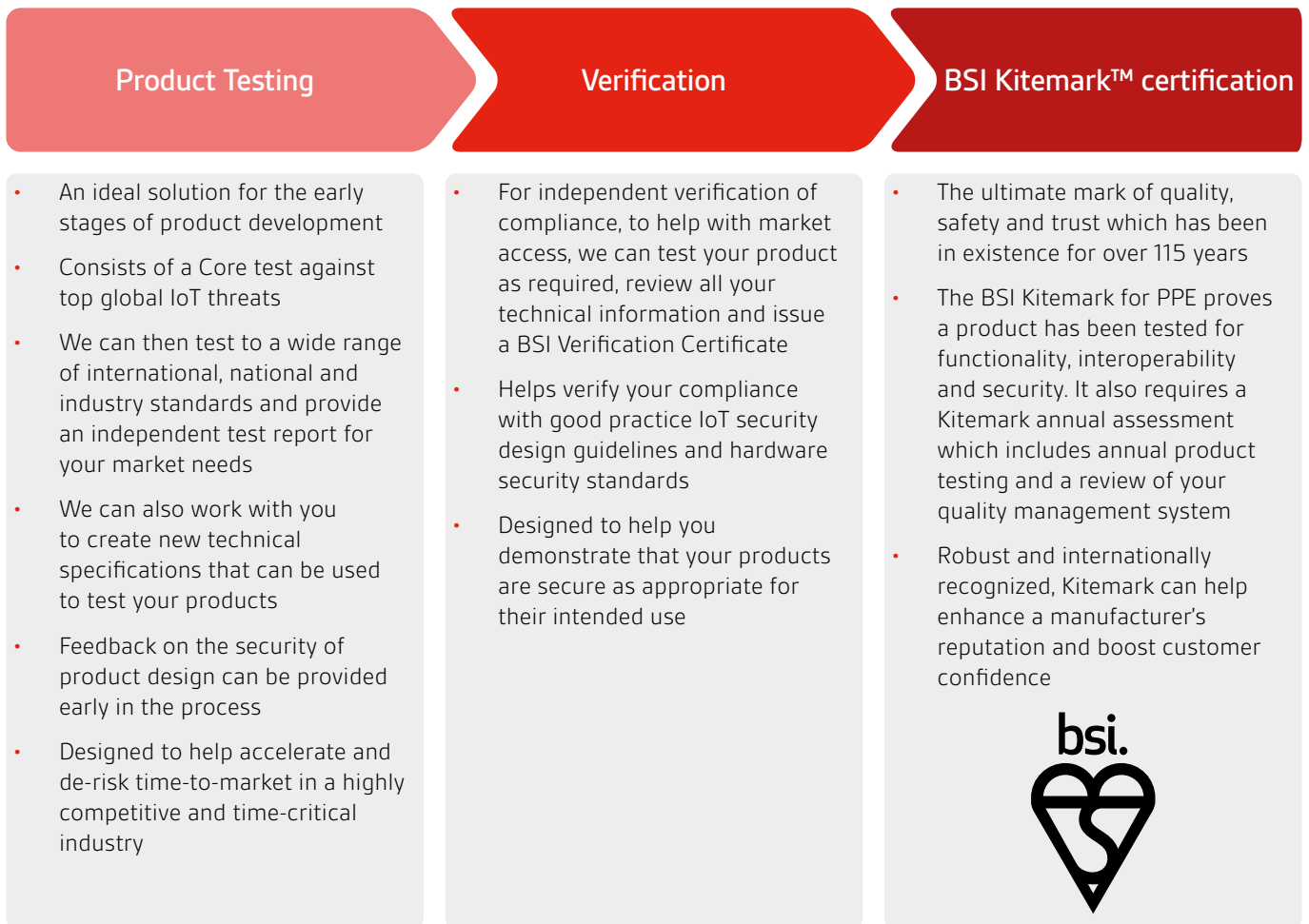


Our experts are passionate about ensuring products have been tested to the highest level, so that they will perform as expected and protect people, property and the environment, and will provide the protection they claim to achieve.

No matter where you are on your product development journey, we can support you with a range of testing, verification and certification services for connected PPE that meet your needs. These can help accelerate and de-risk time-to-market in a highly competitive and time-critical industry.

From a compliance perspective BSI can help you make sure your products comply with the Personal Protective Equipment Regulation which is a legal requirement if you are looking to place your products on the market within the European Union.

And as a Royal Charter company with a history and heritage of impartial and independent product testing and certification we are committed to continual improvement and we work with the highest level of integrity. Our history, heritage, expertise and experience are what make BSI unique.



## Benefits



Differentiate your products and gain competitive advantage



Reduce risk and show due diligence



Improve customer satisfaction

\*Please note, connected PPE must still meet regulatory requirements to be placed on the market such as CE marking for European market access.

# Why BSI?

BSI works as a trusted, independent convener of communities to shape, share, embed and support innovation in IoT and the safe and reliable use of 'smart' applications, data and devices. Through our community of IoT experts and organizations BSI is at the forefront of shaping new opportunities and creating industry-led best practice in IoT. That's why we're best placed to help you embed trust and confidence in your products.



Working with over 84,000 clients across 193 countries, BSI is a truly international business with skills and experience across a number of sectors including automotive, aerospace, built environment, food, and healthcare. Through its expertise in Standards Development and Knowledge Solutions, Assurance and Professional Services, BSI improves business performance to help clients grow sustainably, manage risk and ultimately be more resilient.



## Our products and services

### Knowledge

The core of our business centres on the knowledge that we create and impart to our clients.

In the standards arena we continue to build our reputation as an expert body, bringing together experts from industry to shape standards at local, regional and international levels.

In fact, BSI originally created eight of the world's top 10 management system standards.

### Assurance

Independent assessment of the conformity of a process or product to a particular standard ensures that our clients perform to a high level of excellence. We train our clients in world-class implementation and auditing techniques to ensure they maximize the benefits of standards.

### Compliance

To experience real, long-term benefits, our clients need to ensure ongoing compliance to a regulation, market need or standard so that it becomes an embedded habit. We provide a range of services and differentiated management tools which help facilitate this process.

Find out more

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