



# Keeping Business Sustainable



# Sustainable practice is the path to success now and for the long term.

In 1800, the world's population was 1 billion people, by 1900 it was 2 billion and today it is over 7 billion. That represents a current run rate of an extra 1 billion people every 10-15 years. With such exponential growth and increase in levels of affluence, the environment and its natural resources will be under enormous pressure.

Companies, organizations and society have a global responsibility to grow without compromising resources for future generations. The consequences of consuming finite resources at the current rate means we have no alternative but to change to a greener and more sustainable business model for society.

In 1992, the same year as the first Earth Summit in Rio, BSI brought together industry experts and innovators to create the world's first environmental standard. Since then, we've worked with industry, governments and consumers to agree best practice standards that cover the range of sustainability issues facing organizations of all sizes, focusing on 6 key areas (see right):

The benefits are measurable and will drive growth.

- Reduce your operating costs and waste to improve the bottom line
- Become the supplier of choice and win new business with independently endorsed credentials
- Achieve competitive advantage by taking a leadership position on sustainable issues
- Keep ahead of regulation and liability issues through proactive compliance
- Create a positive brand image by communicating and managing environmental, social and ethical issues
- Demonstrate your green credentials in tenders and business opportunities

A recent survey by Boston Consulting Group (BCG) reported that 60% of businesses\* believe that sustainable business is key to remaining competitive and 70% plan to increase their commitment over the next year.

The BSI services outlined in this brochure address the fundamental sustainability issues facing businesses and society today and into the foreseeable future.

## Environment

Understand the impact your products, services and supply chain have on the environment



## Energy

Introduce actions to systematically reduce energy consumption



## Greenhouse Gas Emissions (GHG)

Manage your Greenhouse Gas (GHG) Emissions as a result of activities, product or service



## Resource Optimization

Evaluate, measure, report on consumption of natural resources



## Social and Ethical

Demonstrate social responsibility through activities that have a positive impact on society



## Biodiversity

Measure the health, maintenance and improvement of a defined ecosystem





By Royal Charter

# BSI – an industry thought leader.

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## BSI is the world's first National Standards Body with over 100 years' experience

We bring together experts and innovators to tackle the ever-changing issues of sustainability and have led all these initiatives:

**Environmental Management** – BSI produced the world's first environmental standard in 1992, BS 7750 now ISO 14001, which is the world's most popular environmental standard

**EU Emissions Trading Scheme** – BSI is a member of the UK Working Group which advises the EU Commission of EU ETS regulatory aspects

**Greenhouse Gas Emissions** – BSI contributed to the ISO 14064 Working Group to develop the first GHG international standards

**Greenhouse Gas Reporting Protocol** – BSI contributed to the revision of the WBCSD/WRI Greenhouse Gas Corporate Accounting and Reporting Protocol

**Product Carbon Footprinting** – BSI developed PAS 2050, the world's first framework methodology for product carbon footprinting

**Carbon Neutrality** – BSI developed PAS 2060, which is the world's first carbon neutrality specification

**Sustainable Events** – BSI produced the world's first sustainable events standard, BS 8901, now ISO 20121

We have worked with organizations to help them gain considerable environmental and financial benefits by adopting frameworks for managing sustainability whatever their size, sector or geographical location.

BSI's expert tutors and assessors have gained a **deep understanding** across thousands of organizations globally in sustainable best practice. Their ability to transfer this knowledge into actions will enable your business to grow in a sustainable way.

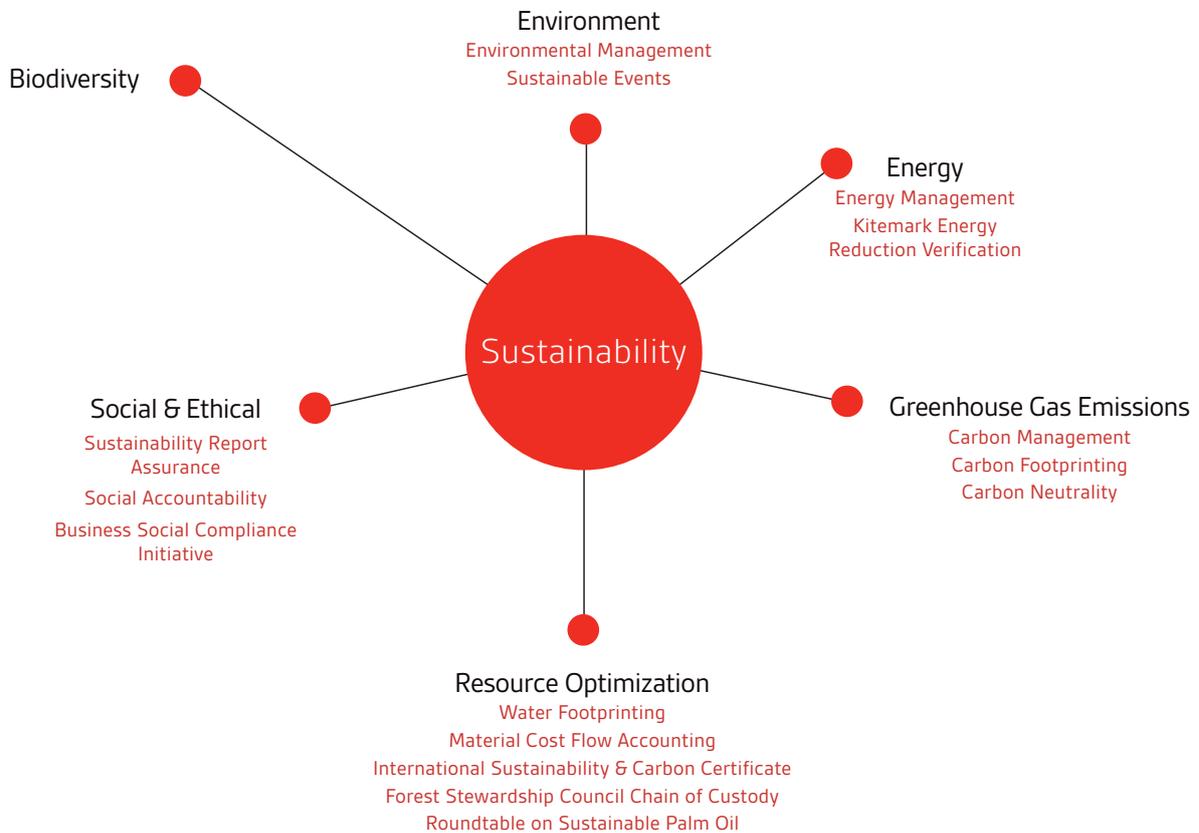
As a Royal Charter company, with 65 offices worldwide, we have the global reach to help any organization, large or small make a difference not only to their business, but also to the planet.



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# BSI Solutions.

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Our range of integrated services which can be tailored to your specific needs and help you on your sustainability journey from beginning to end:

- Standards and subscription services provide access to an enviable source of knowledge through standards and publications
- Training introduces you to standards, and explains how to implement and audit
- Independent certification proves you're compliant to your stakeholders
- Independent verification confirms your compliance reporting

- 2nd party audits against standards or organization's specific requirements provide bespoke solutions
- Business Improvement Software powered by Entropy™ helps you effectively manage your systems and processes to drive performance

Using our decades of experience and innovative development in this field, our expert teams can **work with you** to design and implement a programme which will achieve the long term benefits that come from adopting sustainable practice within your organization.

Best practice is underpinned by embedding the right disciplines within your organization, which can be achieved through management systems.

# Supply Chain Compliance/Qualification.



## Successfully manage your supply chain risks by knowing your real suppliers – real people, real production lines and real facilities

Today we move from domestic to regional and then global supply chains which are both more complex and spread over wide distances. As a result the definition of quality has moved to include non-physical attributes such as environmental, social, ethical and security aspirations. Reputational risk is becoming increasingly important as transparency and globalization accelerates.

### Key facts

- 45% of executives lack confidence in their supply chain risk management programmes\*
- 87% of executives say a strong corporate brand is just as important as a strong product brand\*\*
- 70% of consumers avoid buying a product if they don't like the company behind the product\*\*

Managing the supply chain is essential to protecting an organization's brand and corporate reputation.

## BSI Services

### Supply Chain Solutions – Supplier Verification and Risk Portfolio

An intelligence based approach from BSI can help an organization manage its supply chain risk and protect its brand reputation. It leverages standards, verification and supply chain tools to help clients identify and manage their supply chain and thus mitigate risks.

### BSI Supplier Verification Audits

On-site profile validation and verification audits based on BSI or client requirements.

### SCREEN Intelligence

A comprehensive supply chain intelligence resource which assists organizations in identifying and understanding their supply chain needs and threats.

### Supplier Compliance Manager (SCM) Platform

A web based tool designed to facilitate and automate mandatory supplier risk assessments.

### Supplier Advisory Services

Offering technical advice and information.

These services can help organizations to:

- Mitigate supply chain risks
- Protect brand and corporate reputation
- Provide reassurance to key stakeholders that suppliers are being managed effectively

Find out more at  
[www.supplychainsecurity.com](http://www.supplychainsecurity.com)

\* Deloitte Survey 2013

\*\* Weber Shandwick – 2012 The Company behind the Brand: In Reputation We Trust

# Environment.



## Understand the impact your products, services and supply chain have on the environment

Environmental management is designed to manage cost through sustainable practice; reduce, reuse and recycle. BSI has helped over 16,000 businesses globally to improve environmental, sustainability and operational performance.

### Key facts

- The environmental impact of doing business costs the global economy £3.1 trillion per annum\*
- The global waste impact by the primary production and primary processing sectors is estimated at just under US\$50 billion per annum\*
- Sea level could rise between 18 to 59 cms (7-23") by the end of the century which will devastate low lying countries\*\*
- There is an estimated 3.5 billion tonnes of rubbish floating in the Pacific Ocean.\*\*\*

Management systems can help an organization fully evaluate its performance and demonstrate leadership and credibility to employees, key stakeholders and customers.

## BSI Services

### Environmental Management System – ISO 14001

The first and most established international standard for environmental management, originally developed by BSI in 1992. Implementing an environmental management system will help clients:

- Comply with environmental rules and regulations
- Analyze activities and establish actual and potential environmental impacts
- Measure, control and reduce waste
- Meet supply chain requirements
- Reduce operating costs by discovering and implementing more sustainable practices

### Sustainable Events Management – ISO 20121

A specific standard for the events industry developed by BSI, together with the London Olympics Organizing Committee. This standard will help organizations in events management, sporting, training businesses, convention centres etc to:

- Minimize negative impacts on the environment, communities and local economy
- Cut costs through better energy and waste management
- Protect against any negative publicity
- Create a positive image for event participants and organizers
- Be in a position to demonstrate your green business model and credentials

# Energy.



## Introduce actions to systematically reduce energy consumption

Energy consumption is growing in importance. As the demand for energy increases it not only puts a strain on natural resources, it also impacts carbon emissions. This calls for close monitoring by organizations as the pressure on profits is not just caused by the amount of energy used, but also by rising prices. BSI can help clients cut carbon emissions as well as energy bills.

### Key facts

- Total world consumption of energy has risen by 30% from 2001 to 2011\* and is predicted to grow by another 25% between 2010 and 2020\*\*
- £260bn per annum is the estimated cost of the energy that is wasted globally\*\*\*
- Energy costs are forecast to grow by 25% over the next 10 years†
- 88% of manufacturers say industrial energy efficiency will be a critical success factor for their business profitability in the coming two decades††

By focusing specifically on your energy use, organizations can target and manage their consumption in a systematic way.

### BSI Services

#### Energy Management – ISO 50001

The latest best practice framework for energy management helps organizations better manage and maintain their energy consumption enabling them to:

- Increase energy efficiency
- Manage risks surrounding future energy supplies
- Cut energy bills with positive impact on the bottom line
- Build and support corporate reputation with good environmental credentials

#### Kitemark Energy Reduction Verification

BSI's Kitemark Energy Reduction Verification (ERV) scheme has been developed to offer both large and small organizations a way to verify the reduction in CO<sub>2</sub> emissions resulting from energy use. This independent verification provides organizations with the ability to prove their energy credentials to stakeholders, investors, specifiers, consumers and regulators.

\* BP Statistical Review June 2012

\*\* UNEP Trends in Energy Management 2005

\*\*\* McKinsey 'Unlocking Energy Efficiency in the US Economy July 2009

† US National Intelligence Council Global Trends 2030 Report

†† Trends in Global Energy Efficiency 2011 Page 7

# Greenhouse Gas Emissions.



## Manage your Greenhouse Gas (GHG) emissions as a result of activities, products or services

If current consumption and rising populations continue, the planet will be unable to sustain demand. There is a strong correlation between environmental footprint, consumption and Greenhouse Gas Emissions.

### Key facts

- The amount of greenhouse gases in the atmosphere reached a new record high in 2011\*
- UK carbon dioxide (CO<sub>2</sub>) levels have been rising over the past century faster than at any time over the past 20,000 years\*\*
- By 2050, carbon dioxide and other atmospheric polluting gases must be reduced by 50-85% to head off potential catastrophic changes, according to UN estimates
- By 2050, rising temperatures exacerbated by greenhouse gases could send more than a million plants and animals down the road to extinction.\*\*\*

By working with BSI to implement credible and globally recognized standards, organizations can avoid 'green wash' claims, target emissions and provide credibility and reassurance when reporting to top stakeholders and customers.

## BSI Services

### Carbon Management – ISO 14064

An organizational level standard which enables participation in emissions trading schemes such as European Union Emissions Trading Scheme (EU ETS).

### Product Carbon Footprint/Carbon Neutrality – PAS 2050/PAS 2060

These standards help to quantify, monitor, report and verify the carbon footprint or neutrality of a specific product or service.

### Emissions Verification

BSI can help a business meet its mandatory reporting requirements with independent third party verification of annual emissions data reports.

All these standards can help organizations to:

- Reassure stakeholders that emissions data is accurate
- Demonstrate consistency and transparency in reporting and avoid the penalties of non-compliance
- Gain greater credibility with third party verification
- Minimise the risk of any negative publicity through inaccurate claims.

# Resource Optimization.



## Evaluate, measure and report on consumption of natural resources

Getting transparency in your organization, to measure and report on consumption of natural resources, will help you assess the role you are playing in key environmental and social issues.

### Key facts

- Only 2.5% of the earth's water is fresh, of which less than 1% is available\*
- Global water demand is projected to increase by some 55% by 2050\*\* and over 350 million people suffer from severe water scarcity\*\*\*
- Around 3.5 'planet Earths' would be needed to sustain a global population achieving the current lifestyle of the average European or North American†
- 12-15 million hectares of forest are lost each year, the equivalent of 36 football fields per minute.†† and globally, mature forest areas are projected to shrink by 13%.\*\*

Start to address the implications of poor resource deployment by understanding and managing usage to achieve maximum efficiencies.

## BSI Services

### Water Footprinting – ISO 14046

A new standard which demonstrates an organization's leadership in environmental protection and helps manage and reduce water consumption.

### Material Flow Cost Accounting (MFCA) – ISO 14051

A management process tool standard which helps trace all materials through production and measures the output in finished products or waste material. It provides a framework which helps develop an integrated approach to optimizing the use of materials.

### International Sustainability & Carbon Certification (ISCC)

BSI's ISCC certification service provides the biomass and bioenergy industry with independent certification to establish an international system which provides proof of compliance with EU requirements.

### Roundtable on Sustainable Palm Oil (RSPO)

RSPO is a consistent framework to manage palm oil plantations and the production of palm oil. BSI is an RSPO approved certification body to this global framework.

### Forest Stewardship Council Chain of Custody (FSC CoC)

BSI's FSC CoC certification gives confidence to consumers that products purchased originate from well-managed forests and controlled sources.

All these standards can help organizations to:

- Identify opportunities to reduce resource usage and operational costs
- Improve green credentials
- Reduce business costs associated with inefficient use of materials, energy, systems and waste management

\* UN Water

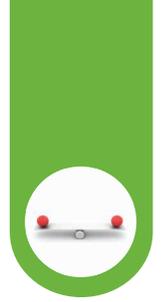
\*\* OECD Environmental outlook to 2050

\*\*\* International Union for Conservation of Nature (IUCN)

† WWDR, 2012

†† World Wildlife Fund

# Social and Ethical.



## Demonstrate responsibility through activities that have a positive impact on society

More now than ever, it is unacceptable to conduct business unethically or act irresponsibly. Organizations are accountable for their actions like never before and need to manage their reputable risk.

### Key facts

- Every day, 6,300 people die as a result of occupational accidents or work-related diseases\*
- 21 million people worldwide are estimated to be victims of forced labour – being in jobs which they were coerced or deceived into and which they cannot leave\*
- Almost half the world – over 3 billion people – live on less than \$2.50 a day\*\*
- An estimated 150 million children worldwide are involved in child labour\*\*\*

CSR is about taking responsibility for the company's supply chain actions and ensuring a positive impact on society. Sustainability Report Assurance (SRA) can provide confidence that an organization is operating ethically.

### BSI Services

#### Sustainability Report Assurance – SRA

BSI's SRA processes are conducted in accordance with the globally recognized Global Reporting Initiative Guidelines (GRI), and AccountAbility AA 1000 Assurance Standard.

#### Social Accountability – SA 8000

SA 8000 is the most widely recognized global standard for managing human rights and provides a framework for organizations to develop, maintain, and apply socially acceptable practices in the workplace.

#### Business Social Compliance Initiative – BSCI

BSCI is a leading business-driven initiative for companies committed to improving working conditions in the global supply chain worldwide.

These standards can help organizations:

- Protect against any negative publicity
- Prove transparency, visibility, trust and confidence in reporting through a trusted 3rd party
- Achieve best practice in ethical employment, trading and operation
- Maintain existing business and attract new customers and investors
- Improve relations with workers, trade unions, NGOs and customers

# Biodiversity.



## Measure the health, maintenance and improvement of a defined ecosystem

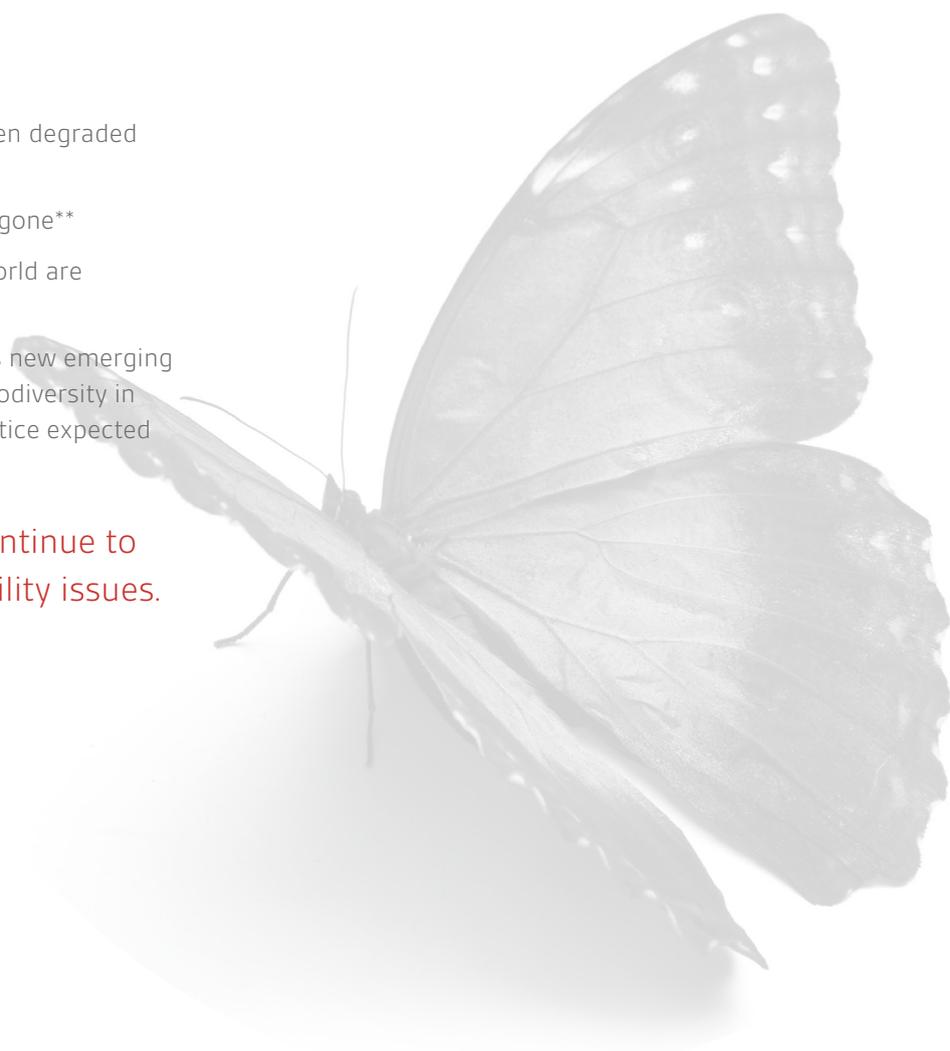
Biodiversity is the emerging area of sustainability which is gaining wider interest and focus. Biodiversity boosts ecosystem productivity where each species, no matter how small, has an important role to play. BSI is at the forefront of producing standards in this area.

### Key facts

- 60% of the world's ecosystems have been degraded over the past 50 years\*
- 45% of the earth's original forests have gone\*\*
- 1/3 of reef building corals around the world are threatened with extinction.\*\*\*

BSI is already developing standards in this new emerging area with the publication of BS 42020, Biodiversity in planning and development – Code of Practice expected in late 2013.

You can be sure that BSI will continue to be at the forefront of sustainability issues.



**British Standard Institution  
BSI Vietnam**

Suite 1106, 11<sup>th</sup> Floor, Citilight Tower,  
45 Vo Thi Sau, Dakao Ward, Dist.1, HCMC  
info.vietnam@bsigroup.com  
bsigroup.com.vn

**Ho Chi Minh Head Office**

T: +84 (8) 3820 0066  
F: +84 (8) 3820 0022  
**Ha Noi Office**  
T: +84 (4) 3762 1170  
F: +84 (4) 3762 1171

**Da Nang Office**

T: +84 (511) 3888 720  
F: +84 (511) 3888 719  
**Can Tho Office**  
T: +84 (710) 3819 092  
F: +84 (710) 3819 093



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