

Digital and Connected Products

IoT and Fire Industry

Tolga Şakar **BEng MBA**
Sales and Operations Manager

AGENDA

- The Risk and The Opportunity
- Regulation, Standards and Best Practice
- BSI Solution
- FIA and BSI Partnership



The Internet of Things The Opportunity

- **\$11 Trillion** per year value from the Internet of Things (IoT) by 2025
- **65% of CEOs** see the IoT as strategically important in digital transformation
- **38.6 Billion** devices will be online by 2025

*Gartner



The Internet of Things

The Risk

Security

Three big issues with connected devices

- **Loss of Control:** hacking devices to switch them off or put them in an unsafe state
- **Loss of Data:** theft or ransom of essential / valuable data
- **Distributed Denial of Service:** 'hi-jacking' of insecure IoT devices and denial of service.

Implications for the Fire Industry

- Life critical system : basic functionality cannot be compromised
- Core detection/alarm functionality must be protected
- Essential to have assurance that security has been designed in from the outset

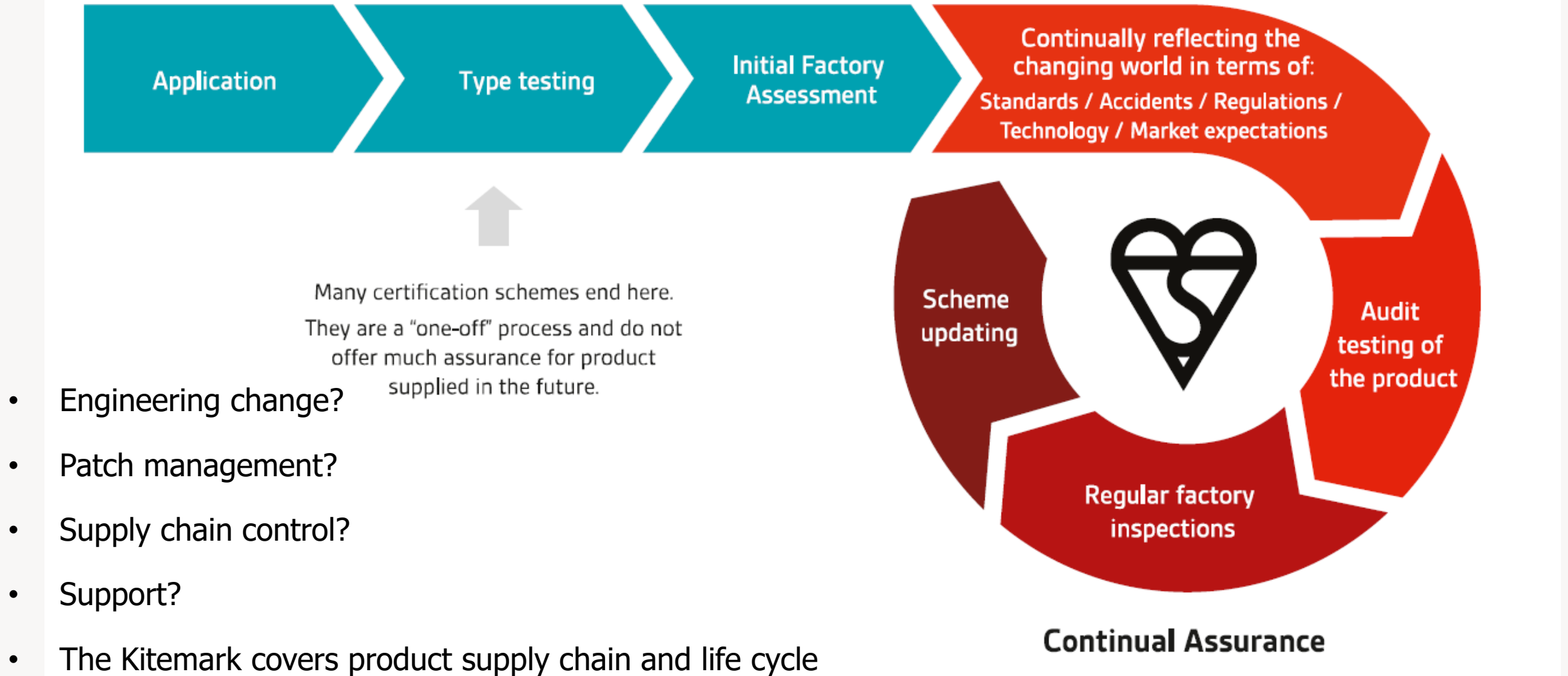


Where do BSI Fit?

Kitemark Certification

- Testing
- Auditing
- Continually checking
- A mark of trust

BSI “Mark of trust” process



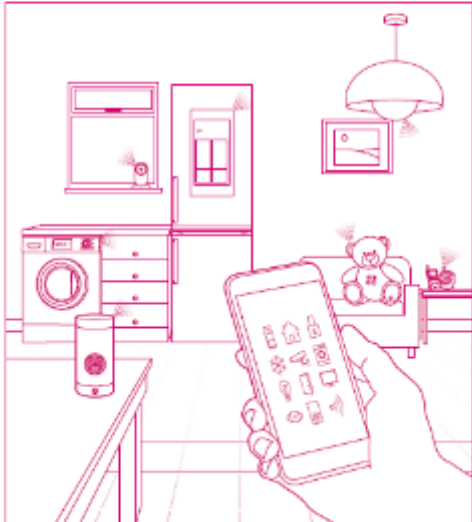
The Standards



IoT Cybersecurity: Regulation Ready



**Code of Practice for
Consumer IoT Security**



ETSI EN 303 645 V2.1.1 (2020-06)



NIST
National Institute of
Standards and Technology



Regulation Standards & Best Practice



UK Leading the way in regulation 2022

- Applies to consumer products
- 1st phase –minimum: passwords and policies

EU: IoT security into Radio Equipment Directive 2024

- Only applies to products with radio connectivity
- Will apply to both consumer and industrial
- Likely to be wider scope: full standard:
- Consumer: ETSI EN 303 645 Cybersecurity for Consumer IoT
- Industrial: IEC 62443-4-2 – Cybersecurity for Industrial Control Systems



English

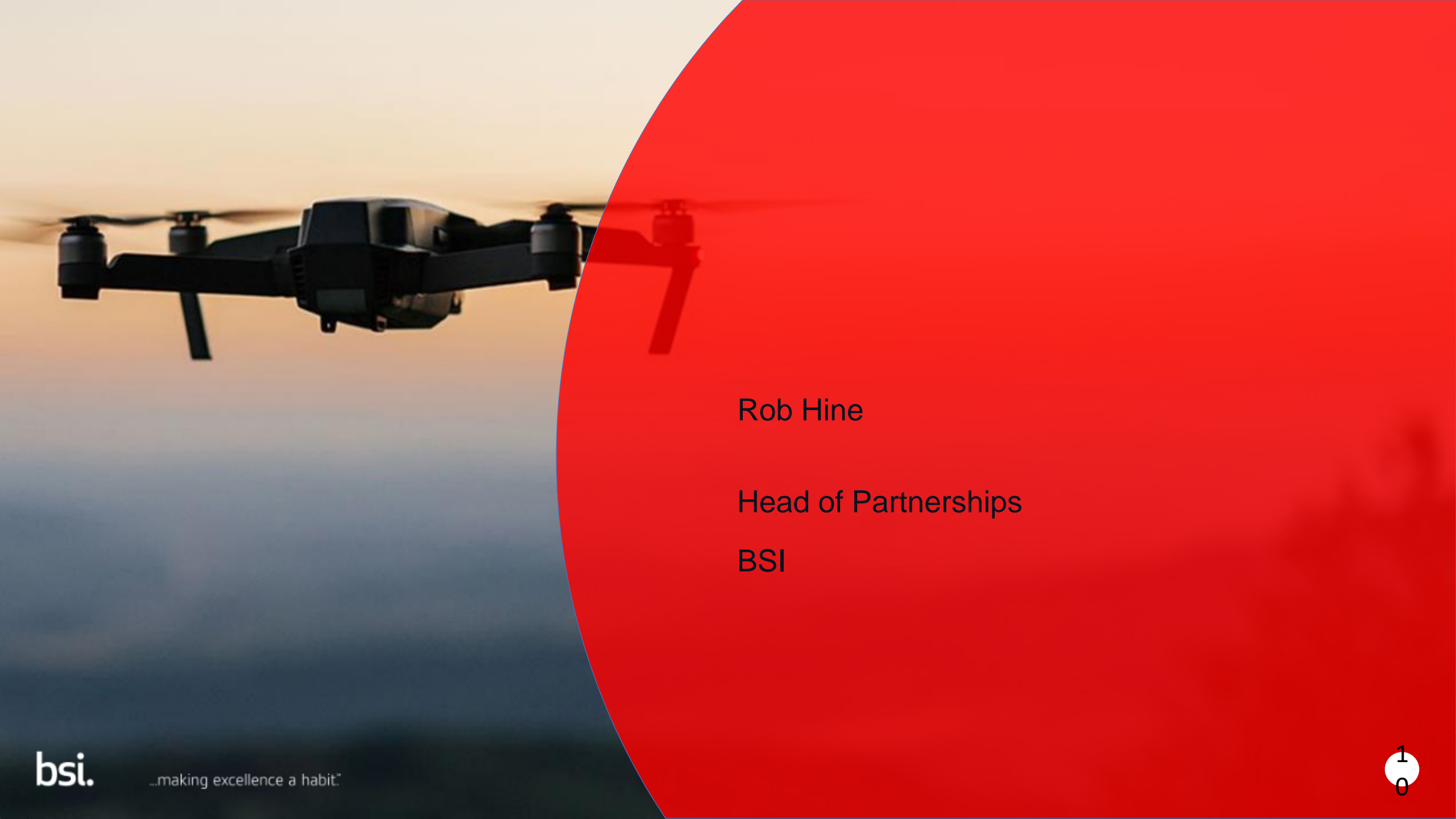
Search

Home > Press corner > Commission strengthens cybersecurity of wireless devices

Available languages: English

Press release | 29 October 2021 | Brussels

Commission strengthens cybersecurity of wireless devices and products



Rob Hine

Head of Partnerships

BSI

FIA and BSI partnership



- Search...
- NEWS | PRODUCTS | INDUSTRY SECTORS | VIDEOS | MAGAZINE | EVENTS | IFSJ MIDDLE EAST | MEDIA INFO | ISJ

- NEWS CATEGORIES
- > People

> Products

> Projects

> Event News

BSI AND THE FIA TO LAUNCH PARTNERSHIP AT FIREX 2022



INTERNATIONAL
FIRE
BUYER

THE ACTIVE AND PASSIVE MARKET LEADER

HOME NEWS DESK EXCLUSIVES

HE INTERNATIONAL MARKET LEADER FOR OVER 30 YEARS FB THE INTERNATIONAL MARKET L

FIRE TRUCKS FOR AFRICA (PTY) LTD

Supplier of NEW and USED fire trucks and ambulances

Contact: info@firetrucks4africa.com

BSI And The FIA To Launch Partnership At FIREX



📅 April 27, 2022



- HOME NEWS FEATURES FIRECAST FIRESTREAM EVENTS LATEST ISSUE SUBSCRIBE

Home > News > BSI and the FIA to launch partnership at FIREX INTERNATIONAL 2022

NEWS

BSI and the FIA to launch partnership at FIREX INTERNATIONAL 2022

DEREK SMITH - 27/04/2022



FIA and BSI partnership

This collaboration builds on BSI's existing relationship with the FIA and we look forward to continuing our work with the trade association to bring benefits to its members in the future.

Renata Kopka, Marketing Manager at the FIA comments:

'The FIA is excited to be collaborating with BSI. Our partnership will offer FIA members a worthwhile discount on the BSI IoT Kitemark which is great step forward in incentivising the IoT in the fire-safety industry. We look forward to continuing our work with BSI to bring more benefits to the UK fire safety industry.'

Dedicated Landing Page

bsi. Inspiring trust for a more resilient world.

Fire Industry Association (FIA) members page

Internet of Things devices Kitemark



Find out what BSI has to offer:

Through our partnership with FIA we are delighted to offer FIA Members:



Fire Industry Association
Leading Excellence in Fire Safety
Robert Hine? [Click Here.](#)

10% reduction of all pre certification fees related to Kitemark certification for our Internet of things devices Kitemark

The BSI Kitemark has been developed in response to the growth of internet connected products, and is designed to help consumers confidently and easily identify the IoT devices they can trust to be safe, secure and functional.

BSI is the business improvement and standards company that enables organizations to turn standards of best practice into habits of excellence, 'inspiring trust for a more resilient world'. For over a century BSI has driven best practice in organizations around the world. Working with over 77,500 clients across 195 countries, it is a truly global business with skills and experience across all sectors including automotive, aerospace, built environment, food and retail and healthcare. Through its expertise in Standards and Knowledge, Assurance Services, Regulatory Services and Consulting Services, BSI helps clients to improve their performance, grow sustainably, manage risk and ultimately become more resilient.

Fill out the form and once of our specialists will be in touch:

Request a quote:

Email*

It looks like you did not want to receive emails from us [Click here before submitting this form](#) to activate your email address.

BSI takes your privacy seriously. From time to time we would like to contact you with details of products and/or services we offer. If you consent to us contacting you for this purpose, please tick below to say how you would like to be contacted:

Email ☒

Phone ☐

Direct Mail ☐

SMS ☐

Please see the [BSI Privacy Notice](#) further information regarding your rights.

☐ I have read the BSI Privacy Notice and consent to the processing of my personal data

Submit

A woman with dark hair tied in a bun, wearing a dark blazer over a grey top, stands with her arms crossed, looking out a large window. Her reflection is visible in the glass. The scene is brightly lit by natural light from the window.

Just the beginning...

Questions...

