

# SGS Manchester Lab Connectivity Capabilities

Tested Means Trusted



SGS





**UK based** safety, performance, quality & sustainability solutions for the consumer goods & retail industry.

Manufacturers, distributors and retailers who traditionally source goods and materials from across the globe are coming under increasing pressure to identify and comply with a raft of market specific regulations and strengthened safety requirements.

At SGS United Kingdom Ltd, our Manchester lab based in the heart of the UK provide services that enable you to deliver well designed, functional, durable and safe products to customers.

**Services:**

- Testing
- Verification
- Product certification
- Technical assistance
- Product inspection
- Process assessment

## INDUSTRIES & PRODUCTS COVERED

### CONNECTIVITY

#### Electrical & Electronics

- Household & professional appliances
- Home entertainment electronics
- Consumer & professional lighting
- Home and gardening tools

#### Technology Connectivity

- IT equipment & Products
- Smart electronics
- Home Automation
- Mobile phone & tablet, 2-way radios

#### Health Care

- Home health care devices
- Hospital medical devices
- IoT connected medical devices

#### Machinery & Components

- Microelectronics
- Automation and robotic
- Automotive electronics

#### Energy Solutions

- Power Supplies
- Wireless Charger
- Battery and accumulators
- Solar Panel
- Wind Turbine

## TRUSTED SOLUTIONS

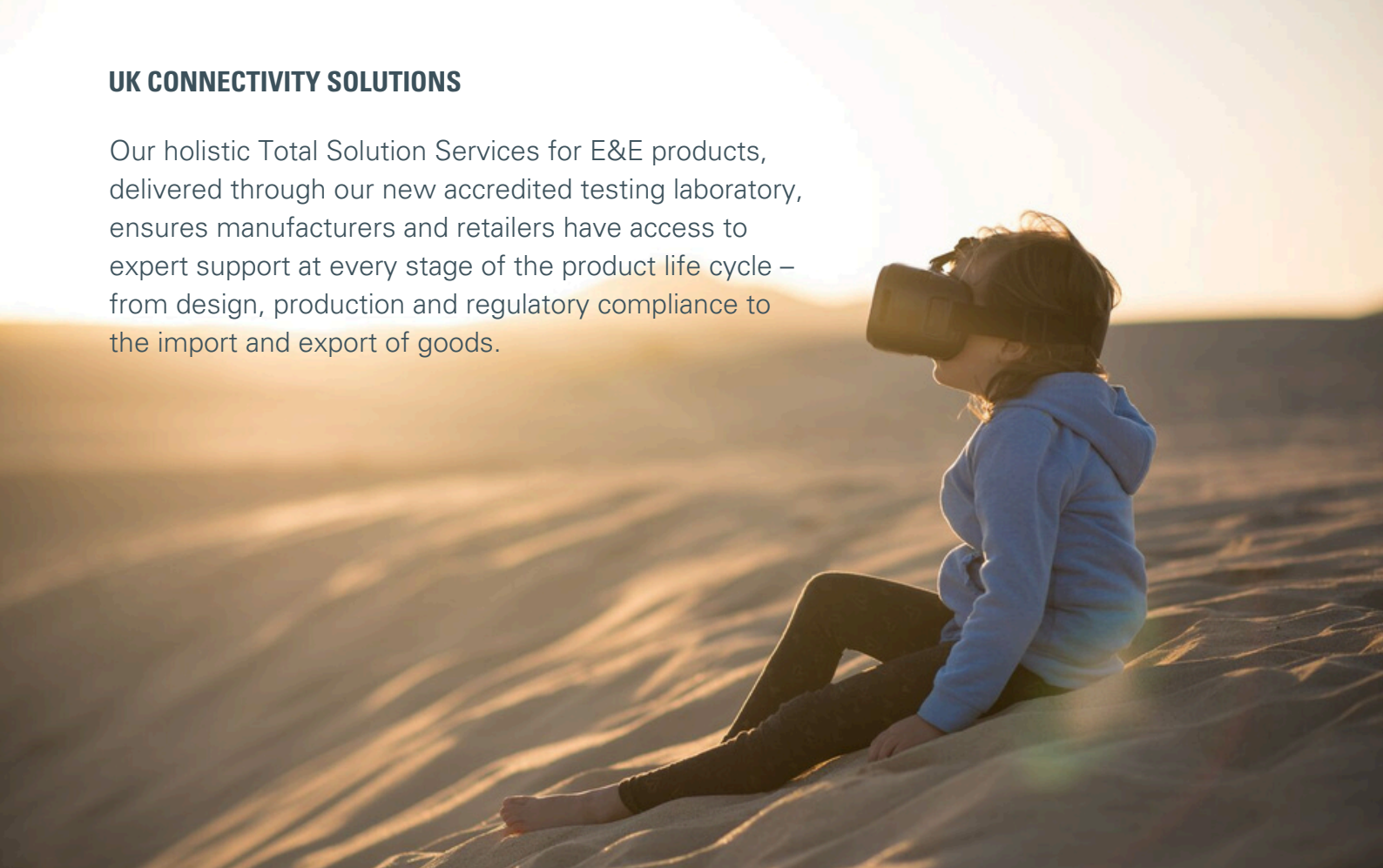
SGS is uniquely positioned with a new UK laboratory dedicated to a variety of on-site electrical and electronics testing services which are carried out locally. Our lab is UKAS accredited with a dedicated and skilled team of testing engineers and chemists and a wide range of capabilities but specifically specializing in EMC testing, covering all the main core product testing sectors. With our expertise, industry experience and market understanding you're poised for success. From product design analysis to final product testing, risk assessment and product certification, we offer trusted, independent, third party inspections.

With a global network of testing facilities and labs across the globe, we can work with our affiliates providing a one stop shop for any product requirement and certification in any country.



## UK CONNECTIVITY SOLUTIONS

Our holistic Total Solution Services for E&E products, delivered through our new accredited testing laboratory, ensures manufacturers and retailers have access to expert support at every stage of the product life cycle – from design, production and regulatory compliance to the import and export of goods.



## PHYSICAL TESTING CAPABILITIES

With the opening of our new lab SGS has one of the only remaining fully capable Electrical testing facilities operating in the UK.

- Lighting equipment
- IT equipment
- Household goods
- Machinery
- Lawnmowers
- Environmental
- Automotive
- Medical devices

## PRODUCT CERTIFICATION

- Lighting equipment
- IT equipment
- Household goods
- Automotive

## PRODUCT SAFETY TESTING

Whatever your product, it is vital to make sure it is safe.

- Electrical
- Machinery
- Electronic



## **ELECTROMANGNETIC COMPATIBILITY (EMC) TESTING**

Ensure compliance with market requirements with comprehensive testing and certification solutions from our UKCA accredited laboratory, providing pre-compliance and full compliance for product ready to go to market.

- Electromagnetic interference (EMI)
  - Conducted emission (CE)
  - Harmonic current emission
  - Voltage changes, voltage fluctuations and flicker
  - Radiated emission (RE)
- Electromagnetic susceptibility (EMS)
  - Conducted susceptibility (CS)
  - Electrical Fast Transient/burst (EFT)
  - Surge
  - Voltage dips, short interruptions and (DIP)
  - Electrostatic discharge (ESD)
  - Radiated Susceptibility (RS)
  - Power frequency magnetic field (PFMF)

## **ADDITIONAL TESTING CAPABILITIES**

- 5G testing
- Automotive wireless and connectivity testing
- Bluetooth testing
- GCF certification
- Near field communication (NFC)
- OTA testing and certification
- PTCRB certification
- Radio equipment directive 2018/53/EU (RED)
- SAR regulations
- Service provider approvals
- Wi-Fi testing and certification
- Cyber security





## TRUSTED SERVICES

SGS has a range of services available at our new lab in Manchester. As well as a team of Project Managers, Global Key Account Managers and Customer Services personnel to help manage your service needs whether in the UK or overseas.

Our team in the UK has a close working relationship with our Connectivity and Products labs in the US, Taiwan and the Netherlands who's capabilities align with the new lab in Manchester as well as providing services for the pending Cyber Security requirements aligned with RED.

## BENEFITS OF PARTNERING WITH US

- State of the art laboratory
- Central location within the UK
- Compliance with standards for your products and services
- Verification of safety
- Fulfil your responsibility for the future, e.g. environmental certificates
- Risk minimization in business and trade
- Increased workplace safety for your staff
- Process optimization
- Competitive advantages
- Increased company transparency
- Environmental standards (i.e. POPs)
- Enhanced customer satisfaction
- Globally recognized company

# When you need to be sure

SGS United Kingdom Ltd  
Inward Way  
Rossmore Business Park  
Ellesmere Port  
CH65 3EN  
United Kingdom  
☎ +44 (0)151 350 6666  
✉ [ukenquiries@sgs.com](mailto:ukenquiries@sgs.com)

**[sgs.com](https://www.sgs.com)**



The SGS logo, consisting of the letters 'SGS' in a bold, sans-serif font, with a vertical orange line to the right of the letters and a horizontal orange line below the letters.