PRODUCT
CERTIFICATION

FOR ELECTRICAL & ELECTRONICS

SGS

LOCALLY AVAILABLE WORLD-WIDE

WHO IS SGS?

SGS is the world's leading inspection, verification, testing and certification company. SGS is recognised as the global benchmark for quality and integrity. With 64'000 employees, SGS operates a network of over 1'250 offices and laboratories around the world.

As a result, our expertise provides a single consolidated source to reduce your risk, improve efficiency and quality, and ensure compliance.

SGS ELECTRICAL & ELECTRONICS

Beside product inspection, verification, testing and certification services, our comprehensive service portfolio also includes technical assistance, process assessment and consulting.

Our services cover the following fields:
- Chemicals (RoHS)
- Product Safety & EMC
- Product Inspection
- Wireless Telecommunications
- Performance/Reliability
- Micro- & Nanotechnology
- Solar
- Sustainability (EuP, Ecodesign, WEEE)

For the following Industries:
- Household Appliances
- Information Technology
- Machinery
- Telecommunications
- Automotive
- Luminaries
- Audio/Video
- Renewable Energies
- Medical Devices and more

>> What top products need is a visible sign of quality and safety. We are able to grant you internationally recognised certifications. <<

RETAILERS

No more Golden Sample failures. Retailers have a reliable proof that all products have the quality of the initial samples. Our certification programs drastically reduce product recall instances, as components, final products and production processes are thoroughly analysed as part of the certification.

MANUFACTURERS

They have a higher chance to quickly satisfy retailer and importer product requirements. Certifications reflect the quality of design, components and workmanship and are evidence of a product's safety for consumer use. Certification marks are a visual proof of compliance with specific market requirements, offering a strong market advantage against noncertified products.

| SGS PRODUCT CERTIFICATIONS PROVE

- Compliance with international standards
- Quality
- Constant production practices
- Verification of testing and certification
- Independent control by a reputable Certification Body
- Customer confidence

| YOUR BENEFITS

- Fast market access for your product
- Promote competitiveness on different markets
- Reduce your product-related risks
- Protect your brand and get sales advantages
- Be present on our register of certified products
- Make your quality and Safety visible

| WORLD-WIDE MARKET ACCESS

Do you want an overview of all Safety, EMC and RoHS standards and requirements about the most important import and export countries?
Visit our website for more details.
www.sgs.com/ee

KEY INTERNATIONAL MARKS

>> As a notified and accredited certification body (CB) SGS operates one of the largest Safety & EMC testing & certification networks in the world. <<

SGS SAFETY MARK

The global SGS Product Safety mark allows you to prove your product fulfils all relevant Product Safety requirements applicable on the market of your interest.

If you are granted the SGS Product Safety Certification your product will easily fulfill the requirements of any other safety mark in the world.

SGS EMC MARK

The Electromagnetic Compatibility (EMC) of E&E products is regulated in almost all markets around the world.

Achieving SGS EMC certification will make the task of applying for various certification marks or obtaining approval in specific markets simple, straightforward, and efficient.

SGS operates the biggest, fully quipped and most effective EMC certification networks in the world.

IECEE / CB SCHEME

This is a scheme for mutual recognition of tests performed worldwide based on IEC standards, in order to give national marks.

The CB Scheme has become an effective worldwide "one stop testing" passport which is used in most cases as a stand-alone document.

As a CB member SGS can get you closer to the "one product, one test, one mark" way of doing business.
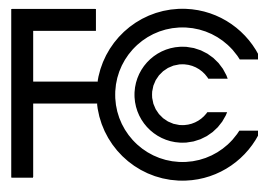
REGIONAL CERTIFICATION MARKS
AMERICAS

SGS NORTH AMERICAN MARK

The SGS USTC mark was developed in the United States to certify conformity of electrical products to the US and Canadian standards through a third party certification Lab. The certification process includes product safety testing and inspections.

SGS USTC is a Nationally Recognised Test Laboratory (NRTL) officially recognized by the American Occupational Safety and Health Administration (OSHA) for OSHA safety and compliance.

FCC USA

The U.S. Federal Communications Commission (FCC) is a federal government agency that regulates interstate and international communications by radio, television, wire, satellite and cable.

SGS provides independent FCC testing and certification services that will help get your products to market faster. As an FCC- designated Technical Competent Body (TCB) SGS helps speed FCC tests and certifications.

INMETRO BRAZIL

INMETRO is a government branch responsible for adopting measurement and quality standards in Brazil. These standards guide the activities of accreditation, inspection, testing and certification bodies.

SGS is an INMETRO accredited certification body for the Brazilian market. E&E products that fulfill the relevant standards certified by Inmetro must carry the mandatory Inmetro Mark along with the mark of the respective certification organization.

>> SGS US Testing Company is a NRTL officially recognized by OSHA. <<

REGIONAL CERTIFIC
ASIA

CCC CHINA

The CCC - China Compulsory Certification - mark is required for a wide range of manufactured products that are to be exported to and sold in the Peoples Republic of China (PRC) market. The CCC mark certifies that an electrical product has been tested in China and a China Quality Certification Centre auditor conducted the initial factory inspection.
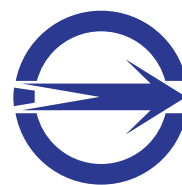
As a CB Scheme member with a deep understanding of PRC's legislations and industries, SGS has the knowledge and experience you need to ensure your products satisfy the relevant requirements of the Chinese market.

CHINA ROHS

The Chinese regulation on chemicals & hazardous substances, called Management Methods for Controlling Pollution by Electronic Information Products (or China ROHS) has been effective since 1 March 2007. The regulation is applicable to all manufacturers, importers and retailers that place electronic information products on the Chinese market.

SGS offers clients support with China RoHS implementation proposals on a case by case basis. The consulting, testing, and certification services offered cover all the requirements of China RoHS.
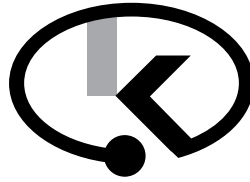
BSMI MARK TAIWAN

The Bureau of Standards, Metrology and Inspection (BSMI) is the authority responsible for standardization, metrology and product inspection in Taiwan. BSMI certification is the key to launching E&E products on the Taiwan market. Both EMC & Safety tests are needed to acquire this certification.

KOREAN ROHS

The Act for Resource Recycling of EEE and Vehicles adopted on 2 April 2007 includes RoHS, WEEE, and ELV aspects. Korean RoHS bans the same six hazardous substances as EU RoHS and also includes the same exceptions. It's based on a self declaration system, with no special mark needed.

The accredited SGS Korea labs can perform all product testing required by Korean RoHS.

eK MARK KOREA

The Korea eK mark is mandatory. E&E products sold in Korea must bear this mark. To receive the eK mark specific EMC requirements must also be fulfilled. SGS can guide you through the import requirements specifics.

MIC MARK KOREA

The MIC mark is a mandatory Safety and EMC mark for products exported to Korea. SGS can help you access the MIC mark, as it requires quite different testing compared to the CB scheme.

HONG KONG ELECTRICAL PRODUCTS (SAFETY) REGULATION

The regulation requires all household E&E products to fulfil the safety requirements listed in Schedule 1 of the Regulation. Certain E&E products are classified as "prescribed products" and require a certificate or test report (CB, HOKLAS report) issued by "recognised certification body".

All other E&E products are classified as "non-prescribed products" and beside a certificate or test report, a declaration of conformity issued by the manufacturer is also accepted as a certificate of safety compliance.

SGS Hong Kong is accredited by Electrical & Mechanical Service Department (EMSD) as a recognised certification body for Hong Kong Electrical Products (Safety) Regulation.

C-TICK & ELECTRICAL PRODUCT SAFETY AUSTRALIA / NEW ZEALAND

Under the Australian electrical safety regulations certain electrical products are "prescribed". This means that they require to have certification issued by a recognised Australian certification body. SGS Electrical Product Certification Services (EPCS) has been accredited by the Joint Accreditation Service of Australia & New Zealand (JAS-ANZ) and can help you achieve Electrical Safety certification for prescribed and nonprescribed products.

VCCI MARK JAPAN

The Japanese Voluntary Control Council for Interference by Information Technology Equipment or VCCI is the body governing RF emissions. SGS can perform EMC tests to VCCI standards.

PSE MARK JAPAN

The round PSE Mark is mandatory according to the Electrical Appliance and Material Safety Law (DENAN). SGS can perform the PSE mark specific tests at its SGS labs in Taiwan.

REGIONAL CERTIFICATION MARKS
EUROPE

CE MARKING

CE (Conformité Européene) marking is mandatory in the EU and has to be visible on all E&E products. It ensures the free movement of products within the EU single markets. CE is a self declaration by a manufacturer or importer located within the European Economic Area that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislations.

SGS is a notified body and able to support you in fulfilling the requirements of the following directives associated with CE marking:

■ Low Voltage Directive
■ EMC Directive
■ Medical Directives
■ Machinery Directive
■ Technical Construction File
■ Declaration of conformity

ROHS

The Directive on the Restriction of Hazardous Substances in Electrical and Electronic Equipment restricts the use of six hazardous substances in the manufacture of various types of electronic and electrical equipment.

The SGS RoHS Certification Program is aimed at helping producers meet the strict requirements of RoHS compliance. RoHS Certification helps manufacturers, retailers and suppliers mitigate the risk of noncompliance to regional and national restricted substances regulations.

The SGS RoHS certificate (RoHS label or RoHS mark) is valid 5 years.

ENEC

The Pan-European voluntary certification mark ENEC (European Norms Electrical Certification) is an impartial quality mark for electrical equipment.

The ENEC mark requires impartial tests and quality control and corresponds to national certification marks granted by various certification bodies. The mark can be granted to manufacturers of products for which there are harmonized European standards listed in the ENEC agreement.

As a notified and accredited body SGS can grant you access to the ENEC mark.

HAR

The Pan-European voluntary HAR certification mark is a proof of quality for cables in Europe and encourages an efficient path to obtaining national certification marks through one set of tests. HAR certification includes the usual elements of product certification: type-testing, quality control in production and random testing of products taken from the market or the production line.

| SGS GS MARK GERMANY

The GS mark (Geprüfte Sicherheit = tested safety) is a well known & respected voluntary impartial certification mark. It accords to the German Equipment and Product Safety Act and usually requires European EN or German standard. GS certified products must also fulfill the requirements of the EMC directive.

As part of its cooperation with TÜV Saarland SGS is able to over its own and the SGS TÜV GS mark.

| SGS FIMKO MARK & NORDIC CERTIFICATION

Denmark, Finland, Sweden, Norway
The SGS Fimko mark is well recognized in the Nordic and Baltic countries and is valid throughout the EU. The mark shows a product fulfils the Safety requirements for Finland and also the relevant European EN and international IEC standards.

The Nordic Certification Service applies to products for which there is a mutual standard agreed upon by the Nordic countries. As part of NCS a product is tested by SGS Fimko or within its CB labs network.

| SGS CEBEC MARK

The SGS CEBEC-mark is a low voltage certification mark (1,000V). This product safety mark is well known to Belgian consumers and is particularly used in the appliance and installation industry. The SGS-CEBEC division is a "Notified Body" in the framework of both the LVD and EMC Directive.

| GOST- R MARK RUSSIA

The Russia Gost R mark applies to products required to fulfill the certification standards of the Russian Federation. A product without the GOST-R-conformity mark may be rejected at the Russian borders. Gost R requires fulfillment Safety and EMC standards as well as factory inspection in case of serial certification.

| POHS NORWAY

The Norwegian hazardous substances regulation (PoHS) will prohibit 10 hazardous substances from which only two (lead and cadmium) are also covered by EU RoHS. PoHS will also allow significantly fewer exceptions than the European directive.

| SGS BAUART MARK GERMANY

The SGS Bauart mark is mostly used for not-ready-for-use-products, such as motors or transformers, which often do not fall under the GS mark regulation. It is granted for all lectrical and mechanical products, including components. As part of its cooperation with TÜV Saarland SGS is able to over its own and the SGS TÜV Bauart mark.

CONGRATS ON YOUR NEW
SGS MARKS

| SGS EMC & SAFETY CERTIFICATIONS

Receiving the EMC & Safety Certifications is proof of the level of quality your product has achieved. Now that both you and SGS are convinced of the reliability of your product, it is time to also communicate this to your customers and prospects.

SGS not only supports you in achieving EMC & Safety Certification, it also provides the means to advertise this achievement. As part of the certification package you receive access to Market Your Mark, a package of marketing tools that will help you promote your certified product.

| MARKET YOUR MARK

Is a certified client package which includes:

- Flyer & Signage
- Poster for customers
- Internet banners
- Poster for employees
- Press releases
- PowerPoint presentation
- Advertisement tools

>> All these tools are now at your disposal to help you promote your certified products. So go ahead, Market Your Mark! <<

A SECURE SOLUTION

EUROPE

Austria
ee.europe@sgs.com
t +43 151 225 67 ext 137

Belgium
ee.belgium@sgs.com
t +32 255 600 20

Finland
ee.finland@sgs.com
t +358 9 696 361

France
ee.france@sgs.com
t +33 141 248 748

Germany
ee.germany@sgs.com
t +49 231 982 295 45

Italy
ee.europe@sgs.com
t +39 027 393 200

Netherland
ee.europe@sgs.com
t +31 113 319 000

Poland
ee.poland@sgs.com
t +48 22 329 22 43

Portugal
pt.info@sgs.com
t +351 707 200 747

Russia
ee.russia@sgs.com
t +7 495 775 4455

Spain
ee.spain@sgs.com
t +34 91 313 8197

Sweden
ee.europe@sgs.com
t +35 89 696 3419

Turkey
ee.turkey@sgs.com
t +90 212 368 4000

United Kingdom
ee.uk@sgs.com
t +44 191 377 2000

ASIA

China-Guangzhou
ee.guangzhou@sgs.com
t +86 208 215 5432

China-Shanghai
ee.shanghai@sgs.com
t +86 216 115 2291

China-Shenzhen
ee.shenzhen@sgs.com
t +86 755 260 125 97

China-Tianjin
ee.tianjin@sgs.com
t +86 222 529 3899 ext 160

Hong Kong
ee.hk@sgs.com
t +852 277 474 16

India
ee.india@sgs.com
t +91 124 239 9990 ext 98

Japan
ee.japan@sgs.com
t +81 453 305 040

Korea
ee.asia@sgs.com
t +82 314 285 700

Malaysia
ee.malaysia@sgs.com
t: +603 512 123 20

Philippines
ee.philippines@sgs.com
t +63 281 756 56

Singapore
ee.singapore@sgs.com
t +65 637 901 11 ext 271/153

Taiwan
ee.taiwan@sgs.com
t +886 222 993 279 ext 1520

Thailand
ee.thailand@sgs.com
t +66 229 474 859

AUSTRALIA

ee.australia@sgs.com
t +61 398 759 023

NORTH-AMERICA

ee.northamerica@sgs.com
t +1 973 575 5252

SOUTH-AMERICA

ee.brasil@sgs.com
t +55 115 504 8872

WWW.SGS.COM/EE

WWW.SGS.COM

WHEN YOU NEED TO BE SURE

SGS