



LCIE



# LCIE BUREAU VERITAS, **PARTNER IN YOUR SUCCESS**

LCIE Bureau Veritas offers a wide range of solutions for everyone involved in electrical and electronic products: assemblers, importers, exporters, retailers, users and more.

LCIE Bureau Veritas is your special partner in terms of compliance for the marketing and added-value of your products, and provides support from development to market roll-out: assistance and expertise, testing, certification, audits, inspections and training.

Our third-party involvement provides you with peace of mind and security when marketing your products. LCIE Bureau Veritas is a premier certification body in Europe and has signed bilateral agreements with its opposite numbers abroad. It provides you with the passports required to conquer global markets, after checking your products for compliance with the applicable standards.

With an international network of laboratories, we assess the compliance of electrical and electronic products for national, European and international certification marks.

## ... PART OF AN INTERNATIONAL GROUP

LCIE Bureau Veritas is a subsidiary of Bureau Veritas, an international group whose mission is to assist its clients in managing their assets, products, services, systems and staff, thus providing added value through risk management and the improvement of performance.

## ... WITH A RANGE OF APPLICATION AREAS

- ✓ IT and communications equipment
- ✓ Telecom and radio products
- ✓ Audio-video (public and professional)
- ✓ Household appliances, Heating
- ✓ Light fittings
- ✓ Medical devices
- ✓ Industrial instrumentation
- ✓ Energy and Systems
- ✓ Aerospace - Defence
- ✓ Automotive
- ✓ Railway
- ✓ Marine
- ✓ Connected products

## ... AND MULTIDISCIPLINARY SKILLS

- ✓ Assistance and Expertise
- ✓ Testing
- ✓ Certification
- ✓ EC marking
- ✓ International Certification
- ✓ Regulatory and standards monitoring
- ✓ Sustainable Development
- ✓ Training
- ✓ Inspections
- ✓ Audits

## ... IN A WIDE RANGE OF ACTIVITIES

- ✓ Electromagnetic Compatibility (EMC)
- ✓ Environmental behaviour
- ✓ Potentially explosive atmospheres (ATEX)
- ✓ Radio frequencies
- ✓ Electrical safety
- ✓ Environmental Management

# COMPLIANCE ASSESSMENT

- ✓ According to French standards and regulations
- ✓ According to international standards and regulations
- ✓ Functional Safety (IEC 61508)
- ✓ According to European Directives (EC Marking)
- ✓ According to specific standards or specifications

# ASSISTANCE AND EXPERTISE

## SUPPORT AND SKILLS TRANSFER

- ✓ Technical and technological assistance
- ✓ Training
- ✓ Engineering skills
- ✓ Regulatory Monitoring / Analysis
- ✓ Knowledge transfer
- ✓ Access to markets
- ✓ Assistance

## INNOVATION CONSULTING

- ✓ Regulatory surveys
- ✓ Construction analysis
- ✓ Failure analysis

## ON-SITE TAILOR MADE ASSISTANCE

- ✓ Secondment of staff
- ✓ On-site package

# TESTING / QUALIFICATION

To check the compliance of your products according to applicable standards and

## ELECTRICAL TESTING

- ✓ Low and high voltage

## MECHANICAL TESTING

- ✓ Vibrations, vibrations / temperature
- ✓ Mechanical shocks, Jolts

## CLIMATIC TESTS

- ✓ Old, dry heat, damp heat
- ✓ Temperature variations, thermal shocks
- ✓ Watertightness (IP protection index)

## ELECTROMAGNETIC COMPATIBILITY (EMC) AND RADIO TESTING

- ✓ Measurement of radiated and conducted disturbances
- ✓ Immunity with disturbances
- ✓ PAR and PIR measurement
- ✓ Radiation diagram
- ✓ Measurement of spurious emissions
- ✓ Measurement of SAR

# ACCESS TO MARKETS

## NATIONAL...

- ✓ NF Mark, GS Mark

## EUROPEAN...

- ✓ ENEC, HAR, Ex

## INTERNATIONAL CERTIFICATIONS...

- ✓ CCC, PSE
- ✓ Gost-R
- ✓ NOM
- ✓ CSA
- ✓ BV S, C-TICK, FCC,...

## EUROPEAN MARKET (COMPLIANCE WITH EUROPEAN DIRECTIVES)

- ✓ Electromagnetic Compatibility (EMC)
- ✓ Low voltage
- ✓ RED
- ✓ Potentially explosive atmospheres (ATEX)
- ✓ Machinery
- ✓ Personal Protective Equipment
- ✓ RoHS, WEEE, ErP, REACH regulation

## CERTIFICATION OF QUALITY ASSURANCE SYSTEMS

- ✓ ISO
- ✓ IECQ HSPM Certification (RoHS)

## SUSTAINABILITY CERTIFICATION MARK

- ✓ BV Footprint Progress
- ✓ NF Environment

LCIE Bureau Veritas is Notified by most of the European Directives

# AUDITS AND INSPECTIONST

- ✓ As part of production monitoring
- ✓ On behalf of third parties

## PARIS AREA:

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## OUR LABORATORIES

- Royaume Uni
- Allemagne
- USA
- Chine
- Taiwan
- Hong Kong