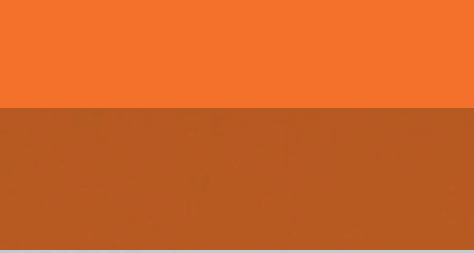




IMQ GROUP COMPANIES SERVICES

**YOUR TRUSTED PARTNER FOR  
SAFER PRODUCTS AND ACCESS  
TO THE GLOBAL MARKET**

TESTING, INSPECTION AND CERTIFICATION FOR THE **LIGHTING INDUSTRY**



#COMPETENCE #IMPARTIALITY #TRANSPARENCY  
#RELIABILITY

# ABOUT US

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The IMQ Group is one of the Europe's top players in the field of conformity assessment (safety, quality, sustainability). Backed by over 70 years of operation, we are the ideal partner for companies who want to dial up their value by **certifying the safety, quality and performance of their work and their products.**

**Our experience** comes from working closely with manufacturers, businesses, organisations and service providers operating in lighting sector. All this translates into a major benefit for our customers because it gives them an authoritative partner, with extensive experience, that is a technical consultant to ministries and public authorities on matters of auditing to ensure properly regulated markets, that has top-quality staff and is a member of the main working groups on international standards.

**The IMQ Group has one major objective: to enhance virtuous companies and quality manufacturing.**

**MAIN SERVICES:**

**PRODUCT CERTIFICATION**

**SAFETY AND PERFORMANCE TESTING**

**GLOBAL MARKET SERVICES**

**SERVICES FOR SUSTAINABILITY**

**SERVICES FOR CYBER SECURITY**





#SAFETY #QUALITY #ENERGY EFFICIENCY  
#EU DIRECTIVES COMPLIANCE

# PRODUCT CERTIFICATION

(ISO 17065 accredited certification body)

IMQ certifies safety, quality and efficiency of lighting equipment and installation material and components. In its laboratories, it checks the conformity to the safety requirements (electrical and optical), the performance and the energy consumption of products, led technology included.



## IMQ SAFETY MARK

The safety mark that demonstrates the conformity of electrical products to EN standards.



## ENEC 03 MARK

The high quality European mark. Compliance with European standards (EN). IMQ is among the top issuers of ENEC mark certificates.



## ENEC 03 PLUS

The first performance European mark. Initial performance claims verification and robustness of product design assessment. An objective basis for fair comparison of lighting products.



## EU DIRECTIVES COMPLIANCE

IMQ certifies compliance of products with the main EU directives:

**EMC | RED | ECODSIGN | ENERGY LABELLING | LVD | CPR | ATEX**





#SAFETY #PERFORMANCE #EMC  
#PHOTOMETRIC AND OPTICAL RADIATION

# PRODUCT TESTING

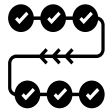
(ISO 17025 accredited laboratory)



## SAFETY: ELECTRICAL, MECHANICAL, PHOTOMETRIC

IMQ's lighting laboratory performs tests on luminaires, lamps, led modules and associated components (led driver, connecting devices, lampholders, ...):

- Electrical • Photobiological • Mechanical (vibration, impact, low atmospheric pressure, sealing tests, UV resistance, DIN 18032-3)



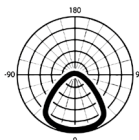
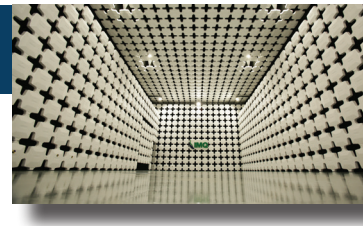
## PERFORMANCE & EFFICIENCY

- Ageing • Performance (IEC 62722-1, IEC 62722-2-1) • Energy classification
- Climatic • IP rating of casing • Impact: IK code • Surge test (up to 12 kV) • Flicker (IEC/TR 61547-1:2017) • Stroboscopic effect (IEC/TR 63158)



## EMC MEASUREMENTS

IMQ has six anechoic chambers for radiated tests and measurements (emission & immunity). The newest one is a **10 metres semi-anechoic chamber**, one of the largest in Europe.



## PHOTOMETRIC AND OPTICAL RADIATION LABORATORY

**IMQ Optical Radiation Lab:** double monochromator and specific input optics; tests performed on light sources with optical radiation in the range 200 nm to 3000 nm, covering UV, Visible and IR radiation (IEC 62471 & IEC/TR 62778). **IMQ Photometry Lab:** a mirror goniophotometer with spectrometer; photometric and colorimetric measurements (EN 13032-1, EN 13032-4 and LM79 standards).



IMQ Group's testing laboratories put their expertise, experience and state-of-the-art equipment at the disposal of manufacturers also to verify the performance of their products







SOLUTIONS FOR AN EASY ACCESS  
TO THE GLOBAL MARKET



# GLOBAL MARKET SERVICES

As a signatory to the major European and international bilateral and multilateral agreements (CB Scheme) on mutual recognition of testing and certification, IMQ can support manufacturers in meeting the necessary requirements to obtain the marks and certifications they need in the markets they want to access.



- ▶▶▶ Testing according to international standards
- ▶▶▶ Technical and regulatory support
- ▶▶▶ Information on standards and certification procedures

- ▶▶▶ Assistance for imports
- ▶▶▶ Supply and supplier assessments



“ IMQ is among the top issuers of IECEE CB test certificates ”







# SERVICES FOR CYBER SECURITY

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The IMQ cyber security solutions for lighting offer testable cybersecurity criteria to assess software vulnerabilities and weaknesses, minimize exploitation, address known malware, review security controls and increase security awareness.

## MAIN SERVICES:

DATA SAFETY & PRIVACY

PENETRATION TEST FOR  
SOFTWARE, HARDWARE, SYSTEMS

SECURITY COMPLIANCE

VULNERABILITY ASSESSMENT  
OF COMMUNICATION SYSTEMS

FORMAL ICT ASSESSMENT

# SERVICES FOR SUSTAINABILITY

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The main IMQ green solutions for lighting industry are: • LCA - LIFE CYCLE ASSESSMENT • CARBON & WATER FOOTPRINT  
• SUPPLY CHAIN • CORPORATE SOCIAL RESPONSIBILITY.

### **IMQ: at the centre of quality, where history meets innovation**

If we now enjoy safer lives in our homes, on our streets, in business and when travelling, we owe some of that to IMQ, which has focused its everyday work, for over 70 years, on anticipating the future to safeguard the present. It has worked for quality and sustainability, by carrying out tests, audits and inspections to ensure that products are safe, services are of high quality and businesses meet certain standards of excellence. It has worked to help its customers - whether in business, manufacturing or services - to harness the value of their quality. And it has worked to ensure the safety of all of us, by certifying the reliability of the products around us.

IMQ Group companies operates in different sectors: electro-technical and electronics industries, telecommunications, automotive industry, food and agricultural industry, plant engineering, construction products and renewable energies. The companies of IMQ Group can provide general or targeted services for each product category, based on needs, such as: product certification, environmental certification, certification according to EU directives, company management system certification, certification of professional experts, inspection of equipment, systems and property, a second party or a third party inspection, laboratory test, test for international certificates and approvals, export support, surveillance of manufacturing abroad, training, technical and regulatory assistance, services for the cyber security and software security by design, as well as support to performance and vehicle reliability for the automotive sector. The comprehensive range of services is delivered through the expertise gained by companies of IMQ Group in many product categories, through accreditation obtained and through participation at international level - representing Italy - in the main agreements concerning certification.

# TOGETHER TOWARD EXCELLENCE

