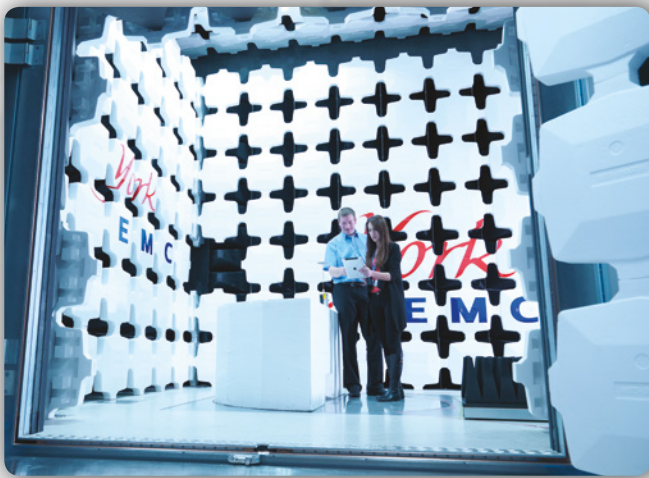


Regulatory Compliance Services and Products



Compliance Testing

EMC, Safety, Radio, Telecoms, EMF



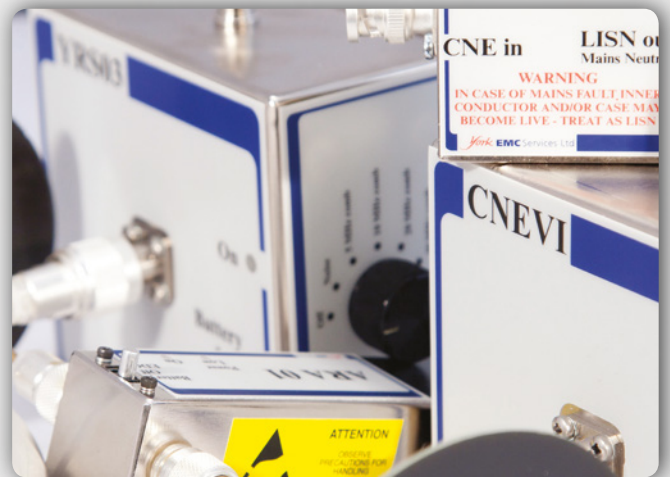
Consultancy & Research

Regulatory Compliance, Management & RF Engineering



Training Courses

Face-to-Face & Online



Test Instrumentation

Verification Reference Sources

About Eurofins York

Your Smart Route to Compliance

Eurofins York (formerly York EMC Services) is an independent organisation with over 25 years experience providing regulatory and compliance consultancy, compliance testing, certification, training and instrumentation.

We are owned by Eurofins Product Testing LUX Holding SARL which provides global testing and compliance services to clients across multiple industries. We operate from four sites across the UK which includes UKAS accredited test laboratories, near Bristol, Leeds and in Grangemouth, with our headquarters in York.

“The service we received from Eurofins York was exceptional, they are experts in their field and went above and beyond what was expected from them. The advice that was offered regarding ways to reduce EMF in the workplace was gratefully receive and we have implemented some of the ideas already.

Senior Facilities Engineer, Cummins

Training Courses

Eurofins York has an international reputation for providing training courses for individuals and organisations. Whether it be our introductory essentials courses online or face-to-face, or our more advanced and in-depth courses, our portfolio is designed to meet everyone's training needs.

Attending our courses enables manufacturers to achieve regulatory compliance in a knowledgeable, timely and cost effective manner.

Our courses and workshops are designed to address the real-world issues faced by manufacturers on the route to compliance. We ensure that they contain the appropriate balance of theory and practical advice through presentations and demonstrations in our accredited test laboratories.

Our training portfolio offers a variety of learning methods for differing levels of pre-existing expertise.



Our service portfolio covers:

- EMC and electrical safety testing
- Radio equipment testing
- Electromagnetic site surveys
- EMC, Radio and Safety Consultancy and Research
- Electromagnetic modelling
- Training

Our instrumentation portfolio covers:

- Broadband reference sources
 - Dual mode comb / noise generators
 - Comb generators
 - Noise generators
- Harmonics and flicker generators
- Compact wideband antenna
- Cable coupling clamp

Commitment to Quality

Eurofins York is committed to providing the highest quality services in all our service areas by fully understanding and meeting the customer's expectations in a timely and cost effective manner.

Eurofins York customers can be assured that it is our intention to provide technical support and products of the highest calibre, delivered professionally in an accessible and friendly way.

All of our services are within the scope of our quality system and accredited to ISO 17025 or ISO 9001 as appropriate.



Scheduled Courses

Scheduled face-to-face courses held at Eurofins York cover:

- Essentials; 1 or 2 days courses covering Regulatory, Design and Measurement Essentials
- Fundamentals; unique 5 day courses providing a more comprehensive understanding
- Knowledge Base; advanced courses for those needing to go beyond the Essentials

Online Training

York Training Academy, a division of Eurofins York, offers a selection of its face-to-face courses as on-demand E-learning modules.

Available to purchase through our website, online modules are the ideal solution for accessing essential training whenever and wherever is convenient.

Bespoke and In-House Training

In addition to our scheduled courses, we can offer bespoke training solutions, choosing from our extensive portfolio and tailored to your specific requirements. A bespoke course can be held at your own premises or venue of your choice.

For further information please contact our Training Co-ordinator at our York office or e-mail training@yorkemc.com.

Our Presenters

As a former subsidiary of the University of York we commenced delivering bespoke EMC training in 1982 and since then our highly qualified and experienced engineers and academics continue to present our courses. Many have international reputations with a history of presenting technical papers at conferences throughout the world.

“I really enjoyed being taught by two knowledgeable and professional lecturers who obviously know their subject well.
Project Engineer / Manager, Carillion Rail

Compliance Testing

Eurofins York (formerly York EMC Services) is recognised as a leading independent provider of testing services in the UK, enabling products to readily and efficiently access the Global Market.

Eurofins York can help you to ensure that your products meet with their worldwide regulatory compliance requirements throughout their whole lifecycle.

Our comprehensive suite of services and support ranges from pre-compliance and diagnostic checks through to fully UKAS accredited compliance testing and on-going production tests.

All of our laboratories are accredited by UKAS to ISO 17025 and offer services which encompass:

- Regulatory compliance advice
- Pre-compliance, compliance and accredited testing
- Health check services for in-house test facilities
- Documentation checks
- On-going compliance assessments
- Design solutions

Medical Devices

The assessment of medical electrical (ME) equipment against international standards is a critical part of ensuring that it is safe and reliable for use, as well as providing the basis for CE marking and placing on the market.

We offer UKAS accredited testing for compliance with international and European standards for ME equipment IEC / EN 60601-1 covering basic safety and essential performance, as well as its collateral EMC standard IEC / EN 60601-1-2. The assessment of *in vitro* diagnostic (IVD) medical equipment to IEC / EN 61010-2-101 also forms part of our UKAS accredited testing service.

We also operate as a Notified Body (n. 0477) authorised to award EC certification of Medical Devices in accordance with Directive 93/42/EEC through our parent company, Eurofins.

International Approvals and Certifications

We can help you gain access for your products in your chosen global markets through a single point of contact.

As part of the global Electrical and Electronics (E&E) division of Eurofins Consumer Products Testing, we have access to one of the most comprehensive ranges of international approvals and certification services in the world. These include environmental testing, Notified Body services for Medical Devices, ATEX and the Machinery Directives, as well as access to the USA (FCC) and Canadian (ISED) markets through our TCB, FCB, CAB and NCBs. All this in addition to the services already offered at our UK-based laboratories.



Why Choose Eurofins York?

- **Reliable Service**
Technically competent professionals you can rely on to make the process of attaining compliance as painless as possible; from initial test identification to our rapid report delivery.
- **Added Value**
All work is performed by staff who are highly knowledgeable in both testing and finding cost effective solutions should remedial work be required.
- **Flexible Support**
We support you to the maximum extent in order to meet your regulatory compliance obligations in a timely fashion whilst minimising your business risk.



EMC

Electromagnetic Compatibility (EMC) is essential to ensure that electronic products designed to work in the same environment can do so without interference to one another and to enable communication systems to operate as intended. Meeting the requirements of the new EMC Directive 2014/30/EU (which replaced 2004/108/EC on 20th April 2016), is an essential part of the CE Marking process for such products.

We offer a comprehensive range of EMC testing, enabling manufacturers to demonstrate compliance to the latest International and European harmonised standards. When extra help is needed our EMC design evaluation and practical post-test failure advice is always on-hand.

In addition to UKAS ISO 17025 accreditation, we can provide EMC testing to FCC requirements for the USA, ISED (formerly Industry Canada) for the Canadian market and the Japanese VCCI.

EMF

Exposure to Electromagnetic Fields (EMF) can cause adverse health related conditions. Eurofins York undertakes EMF measurements, surveys and assessments for a wide range of equipment and environments, including; lighting, railway, industrial, scientific and medical equipment, communication installations and household appliances.

EMF assessments can be performed in accordance with the ICNIRP and NRPB Guidelines, EMF Directive 2013/35/EU and European recommendation 1999/519/EEC for human protection to exposure to magnetic fields to exposure to magnetic fields.

Safety

Electrical Safety testing also forms a central part of CE Marking and is designed to ensure that the use of a product does not present a hazard to the user.

Eurofins York offers electrical safety assessments to the new Low Voltage (LV) Directive 2014/35/EU (which replaced 2006/95/EC on 20th April 2016), including product compliance testing to International, European and National safety standards. Eurofins York can provide access to Nationally Recognised Test Laboratory (NRTL) Certification through METLabs for access to North America and Canada, including factory audits.

Eurofins York is also part of the IECCE CB Scheme as a CB Test Laboratory (CBTL). The scheme operates in over 50 countries including North America and can reduce the need for duplicate testing, saving both time and money whilst gaining access to a truly Global Market.

Radio Equipment

Since 13th June 2016 most products with an intentional transmitter and sold in Europe need to conform to the new Radio Equipment Directive (RED) 2014/53/EU, which replaced the Radio and Telecommunications (R&TTE) Directive 1999/5/EC as the basis for CE Marking.

Hard-wired Telecoms equipment previously within the scope of the R&TTE Directive now falls under the EMC Directive.

Our testing services include UKAS Accredited testing of: Short Range Devices (SRD); aspects of Wideband Transmission Systems in the 2.4 GHz band; and Broadband Radio Access Networks operating at 5 GHz.

We can also provide FCC and ISED (formerly Industry Canada) listed testing for accessing the American and Canadian markets.

We also can provide advice for manufacturers wishing to use pre-approved radio modules in their products as well as radio performance evaluation, antenna characterisation and spectrum investigations.

Laboratory Facilities

We have UKAS accredited test laboratories providing UK-wide access to our services. They are located: in Yate near Bristol; in Castleford near Leeds; and in Grangemouth midway between Edinburgh and Glasgow.

Our customers come from a diverse spectrum of industry sectors including: Railway, Built Environment, Wind Power, Oil and Gas, Radio, Telecoms, Energy, Lighting, Consumer Electronics, Medical, Industrial Electronics and Information Technology.

On-Site Testing

In addition to our laboratory based services we also offer:

- Regulatory compliance testing of large equipment for EMC and electrical safety at manufacturers' premises
- Electromagnetic (EM) Surveys from DC to 40 GHz
- EMF assessments

Consultancy and Research

Eurofins York (formerly York EMC Services) prides itself on providing cost effective solutions to our customers' needs in the disciplines of EMC, Electrical Safety, Radio, Telecoms and EMF. Our company's dynamic link to the Department of Electronics at the University of York sets us apart from other consultancy providers and test laboratories by keeping us at the forefront of developments in our field.

Research

Eurofins York consulting Engineers are proficient in providing tailored, research fed consultancy services where solutions may not be immediately apparent nor known. Examples of our work include Government and European Union funded research projects. Such projects mean that we are directly involved in changes in the world of EMC and its standards.

We welcome global research and consultancy opportunities from all sectors of the electrical/electronics industry. Notably, we have expertise in the following sectors: Railways, Built Environment, Defence, Oil and Gas, Energy, Lighting, Consumer Electronics, Industrial Electronics and IT, Telecoms and Signalling.



Test Instrumentation

Eurofins York (formerly York EMC Services) designs and manufactures its own range of reference sources used to verify test and measurement setups and to ensure the validity of EMC laboratory tests.

Available worldwide, our instruments are highly stable over time and their specified frequencies, ensuring that variations in your test environment are readily detected.

“ I would like to express my thanks for completing the safety testing of our Mains Filter Module; once again Eurofins York has carried out a most professional and bespoke service at the pace which we required. Eurofins York has consistently maintained a first class track record throughout many years of trading, much to the credit of the excellent staff and management.

Compliance Manager, SG Gaming

All of our products are available worldwide.

For more information, our latest specifications or a copy of our Test Instrumentation Catalogue, please visit our website or contact our York office.

www.yorkemc.com



To ensure our customers can maximise the benefit from our services, we only employ engineers who are experts in their discipline, guaranteeing the solutions we provide. Our breadth of skills and areas of expertise allows us to offer a comprehensive range of services and solutions pertaining to regulatory compliance:

EMC Consultancy

Regulatory Compliance Management

- End to end project management
- EMC Management Control and Test Plans
- EMC audits and procurement support

Approvals Documentation

- EMC Risk Assessment (HAZID, HAZOP) and EMC Assurance
- Spectrum Management studies and EM impact assessments
- Technical Documentation preparation and Notified Body assessment
- Preparation of Compliance reports

Our Consultancy and Research Staff are not just highly qualified, they are also effective communicators, making regular presentations at international conferences and seminars as well as teaching on our Training Courses. We also run 'Health Check' services for both facilities and documentation.

Where exceptionally innovative solutions are required we have the added value of being able to draw upon the resources and world-renowned specialists at the University of York's Electronics Department.

Bespoke Consultancy Services

- Radio, Safety and Telecoms regulatory compliance
- EMC Design Advice
- 3D EM Field Modelling including antenna design, computation and predictions
- Specialist measurement techniques such as psophometric voltage and induced voltage – VL/VT and analysis
- Shielding Effectiveness measurements
- "Beyond the standards" test methods and advice
- EMF Surveys

Instrument Portfolio

- Dual Mode Comb and Continuous Broadband Noise sources (York Reference Sources; YRSs). Operating from 10 kHz to 6 GHz, YRSs are the first products on the market which can operate as either Comb or Noise generators, providing a wide range of test options without the necessity for purchasing and maintaining multiple instruments.
- Continuous Broadband Noise Emitters (CNEs). Operating from 30 Hz to 6 GHz and beyond, these stable, reliable products also have an amazing longevity with the CNE III becoming a feature of many laboratories and inter-site test programs worldwide since its first introduction in the 1980's.
- Comb generators (CGEs). With output from 50 MHz to 40 GHz, these physically small, battery powered generators provide reference signals for higher frequency test environments, and can permit shielding effectiveness measurements to be performed on small enclosures.
- Harmonics and Flicker Generators. The HGF01 and HFG02 have been designed for the purpose of verifying harmonic and flicker test equipment, allowing on-site verification of EN 61000-3-2 and EN 61000-3-3 measurement systems.
- Compact Emissions Measurement Antenna. The ARA 01 is a small sized yet high performance receive antenna operating between 30 MHz and 1 GHz.

- Cable Coupling Clamp. The CCC01 has been specifically designed to support repeatable cable shielding tests.
- Accessories are available which allow for extended operation and additional applications.

Calibration Service

We offer an optional manufacturer's calibration service whose fast turnaround minimises your down time.

Applications covered include:

- Pre-test checks
- Long term performance monitoring
- Measurement environment comparison
- OATS, FAR and Screened room characterisation
- Reverberation (mode stirred) chamber characterisation
- Filter performance analysis
- Cable / connector loss analysis
- Shielding effectiveness measurements
- Confined space / portable measurements

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Your Smart Route to Compliance

- Compliance Testing
- Consultancy Services
- Training
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