

 eurofins

Electrical &
Electronics

Core Services



UK
CA



JPN



Eurofins E&E CML - The Global Leaders in Ex Certification

Since 2013, Eurofins E&E CML has specialized in certifying equipment for potentially explosive atmospheres.

As a leading Ex Certification Body, we hold key accreditations including UK Approved Body, EU Notified Body, and IECEx Certification Body, alongside Japanese Recognition.

Our expertise extends beyond these to certifications for Brazil (INMETRO), South Korea (KCs), and US mines (MSHA).

Trust our experienced team and responsive service to be your partner for global Ex certification success.

ATEX, IECEx & UKCA Certification

Equipment for potentially explosive atmospheres requires specific certification to ensure safety and market access. IECEx provides international standard conformity, ATEX is essential for the European market, and UKCA is the required mark for Great Britain.

Eurofins E&E CML is uniquely positioned as one of the few Certification Bodies worldwide authorized to issue certification to all three of these (ATEX, IECEx, UKCA), allowing us to offer you a single point of contact for global Ex certifications.

Certification involves expert assessment, testing to relevant standards, and verification of manufacturing quality. Our extensive and knowledgeable team delivers comprehensive service, making us your efficient partner for achieving these critical global approvals.

Japanese Certification

Exporting explosion-protected electrical equipment (Groups II and III) to Japan requires compliance with the Industrial Health and Safety Law, mandating certification by a registered type examination agency.

Eurofins E&E CML simplifies your access to this key market.

Leveraging your existing IECEx ExTR can significantly reduce the additional documentation and assessment required for Japanese certification.

With an appropriate IECEx QAR, you can often avoid additional auditing. While Japanese Ex certificates are valid for three years and require renewal, our experienced team guides you through this process.

Since 2017, Eurofins E&E CML has been issuing Japanese Ex certificates and is globally recognized as a prominent and reliable partner for manufacturers seeking to demonstrate compliance and gain access to the Japanese market.

Global Market Access for Brazil & South Korea

Expanding into Brazil and South Korea requires specific regional Ex certifications

- INMETRO for Brazil
- KCs for South Korea

Eurofins E&E CML helps you navigate these requirements efficiently.

We leverage your existing IECEx certification to support the approval process, while also expertly addressing national differences that require additional assessment. We guide you through the supplementary requirements for documentation, local representation, and necessary auditing.

Our well-established process ensures correct document submission and maintains clear, frequent communication between you and the Certification Body.

With strong relationships with CBs in both countries and in-depth knowledge of their requirements, Eurofins E&E CML is your expert partner in effectively facilitating INMETRO and KCs approvals.

MSHA Testing & Approvals

For electrical products used in hazardous areas of underground mines within the United States, approval from the Mine Safety and Health Administration (MSHA) is mandatory.

Eurofins E&E CML streamlines this process.

We assess (and test) your products against the specific MSHA requirements, generating a comprehensive assessment report and technical file ready for submission.

Manufacturers can then confidently open a project directly with MSHA for their file to be evaluated and approval issued.

With extensive experience in certifying Ex equipment for mining applications, Eurofins E&E CML can significantly improve timescales and simplify the MSHA approval process for manufacturers.

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Technical Compliance Support & Ex Training

Eurofins E&E CML offers a range of valuable resources to help manufacturers navigate the complexities of Ex certification.

Our Technical Support provides interactive discussions to help you understand general compliance requirements for your products.

While adhering strictly to accreditation rules regarding design feedback, we offer thought-provoking insights to guide your understanding.

For flexible and remote learning, our eLearning courses are available, covering essential topics such as an ATEX Overview, an Introduction to EX QAR/QAN, and in-depth training on Intrinsic Safety.

Additionally, we can develop and deliver bespoke training courses, tailored to your specific needs and delivered either online or face-to-face for a focused learning experience.

Through these support and training services, Eurofins E&E CML empowers manufacturers to deepen their understanding of the compliance process and the standards associated with Ex certification.

Ingress Protection & Lab Testing Services

Eurofins E&E CML provides comprehensive laboratory testing services essential for Ex certification and broader equipment compliance.

Our IP testing accurately determines your product's degree of protection against ingress of solids and liquids, according to IEC 60529. This is often a crucial requirement for Ex certification, and also valuable as a standalone test for equipment used in specific environments and applications.

We also conduct various types of Ex testing, frequently used for pre-compliance evaluation or to support IECEx partial ExTRs.

Our capabilities include, but are not limited to, battery testing, thermal conditioning, impact resistance, and flameproof testing.

Our extensive laboratory holds both UKAS and IECEx accreditations, demonstrating our commitment to the highest standards of quality and accuracy.

Trust Eurofins E&E CML to deliver reliable laboratory testing services, on time and on budget.

Ex Quality System Certification & ISO9001

Ex Quality systems are certified against the ATEX Directive requirements (and its UK equivalent, UKSI 2016 No. 1107) and the IECEx Scheme, to ensure that Ex manufacturing meets the requirements outlined in international and European/Designated standards.

A Quality Assurance Notification (QAN) is required for ATEX/UKEX equipment category 1,2,M1 and M2 and a Quality Assurance Report (QAR) is required for all equipment certified under the IECEx Scheme.

ISO 9001 certification verifies that an organization's quality management system (QMS) is compliant with international standards.

It demonstrates a commitment to providing consistent, high-quality products or services by ensuring processes are effectively managed and continuously improved.

Eurofins CML offers ATEX/UK QAN's, IECEx QARs, and ISO 9001 certification through a global team of experienced auditors.



Trusted Certification. Delivered



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