

TÜV NORD CERT – Certification of equipment for use in potentially explosive atmospheres



The needs of their customers play a large role for businesspeople such as manufacturers, authorised agents, importers and traders of equipment and protective products intended for use in potentially explosive atmospheres. In addition, there are special laws, directives and regulations for this sector both inside and outside Europe – and also national certification procedures – which have to be observed.

Conformity assessment procedure in accordance with Directive 2014/34/EU

Since 20/04/2016, only products that fulfil the requirements of 2014/34/EU may be placed on the market in the EU. This directive, which has been transposed by the member states into their national law, applies to products such as

- equipment,
- protective systems,
- components and
- safety, controlling and regulating devices required for the safe functioning of equipment and protective systems.

In a conformity assessment procedure, the conformity of a product with the central health and safety requirements is attested. The assessment may also be based on harmonised standards. If these are fulfilled, there is an assumption of conformity, whereby the essential health and safety requirements are deemed to be fulfilled.

Depending on the type of equipment, the manufacturer must install a quality assurance module for series production and may be obliged to have the module assessed by a recognised third-party organisation. Following conclusion of the quality assessment procedure, the manufacturer draws up the EU declaration of conformity, affixes the CE marking and, where applicable, the identification number of the body concerned. In the case of non-electrical devices the process of submitting the documentation is frequently applied.



TÜV®

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Certification

The IECEx System: Certified Equipment Scheme

This certification system simplifies and harmonises the certification of equipment all over the world as, following a transition period, the certificate issued by a national certification body is recognised by all participating countries. Here, the standards drawn up by the IEC form the basis for inspection and certification. A Certificate of Conformity (CoC), which is published online, attests that the design or "type" of an item of equipment corresponds to the IEC standards and that manufacturing has taken place within the framework of a quality assurance system. During the transition period, the test reports issued with regard to the equipment can be used as a basis for the required national certification.

Quality management systems

The approved quality assurance systems according to Annex IV of the ATEX Directive or OD 005 of the IECEx System, based on DIN EN ISO/IEC 80079-34 form the basis for the declaration of conformity or the CoC. A certified quality management system in accordance with ISO 9001 provides the basis for such a quality assurance system and reduces the time and therefore cost needed for recognition. We offer auditing according to the ATEX Directive, the IECEx System and also to ISO 9001. The certificates are valid for three years, with annual surveillance audits for both ISO 9001 and Directive 2014/34/EU.

If a TÜV NORD CERT certificate for ISO 9001 with the appropriate scope has already been granted, we want to aim at a common period of validity for certificates, in co-operation with the client. The requirements as regards the quality assurance system within the framework of the IECEx System are basically identical to those of production quality assurance according to ATEX.

Are you interested?

Please send us your response by fax.

We are looking forward to hearing from you.

Sender (Please use block capitals)

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You can find further information and our subsidiaries at

www.tuev-nord-cert.com

Meaning of the CE mark

With the application of the CE mark the manufacturer declares that the product satisfies the applicable requirements specified in the harmonisation law regulations of the EU regarding its application. Member states may not prohibit, restrict or impede the CE mark in their territory.

Our know-how for your success

TÜV NORD CERT is a well-established and reliable partner for inspection and certification services throughout the world. Our experts and auditors have extensive knowledge based on experience and are in general permanently employed by TÜV NORD. This guarantees independence and neutrality and also means that we can offer continuity in supporting our clients. The benefit to you is clear: our experts accompany and support the development of your products and provide you with objective feedback.

The route to the certificate



☐ **Yes, I am interested in certification of equipment for use in potentially explosive atmospheres. Please contact me.**

Postcode/Town

Phone

Fax

E-mail