

# ATEX (Atmosphere Explosive)



Corporate Office:  
Office No. 7 & 8, Ashok Nagar 1 B,  
Vazira, Borivali (W), Mumbai – 400 092.  
Maharashtra, INDIA

☎ +91 98202 04373 / 98200 33608  
✉ [info@pqsmitra.com](mailto:info@pqsmitra.com)  
🌐 [www.pqsmitra.com](http://www.pqsmitra.com)

## What is ATEX?

ATEX is The European Regulatory Framework for Manufacture, Installation and Use of Equipment in Explosive Atmospheres (denoted by Ex). It came into force in 2003, and was enacted in the UK by statutory Instrument (SI) 2002: 2776. It was called DSEAR (The Dangerous Substances and Explosive Atmospheres Regulations of 2002), and implemented both the ATEX and the Chemical Agents Directive (98/24/EC). ATEX is an abbreviation of the term (ATmosphères EXplosives) which is derived from "Appareils destinés à être utilisés en ATmosphères EXplosives" (French for Equipment intended for use in Explosive Atmospheres). ATEX consists of two directives. ATEX directives applies to all the electrical & mechanical equipment & protective systems which are located within potentially explosive environments. ATEX directives were adopted by EU (European Union) to facilitate the trade between the member states by aligning the technical and legal requirements for products intended for use in potentially explosive atmosphere.

- The ATEX 214 “Equipment” Directive 2014/34/EU: This Directive is for the manufacturer whose equipment and protective systems are intended for use in potentially explosive atmosphere.
- The ATEX 137 “Workplace” Directive 1999/92/EC: This Directive is for the minimum requirements for improving the safety and health protection of the workers working in a potentially explosive atmosphere.

## What are the focus points of ATEX Certification?

- Product design and development process verification
- Compliance to technical specifications pertinent to the applicable product standard
- Consistency in Product quality and safety
- Reduction in rework and rejection percentage in manufacturing processes
- Enhanced process controls and better controls in shop floor operations
- Setting up system for documentation and records.

## What are the document requirements for ATEX Certification?

The organization shall demonstrate continual improvement in the field of quality management system by maintaining, establishing, implementing and providing documented information.

The documented information required for ATEX Certification

- The organizations scope
- The organizations Quality policy and Quality Objectives
- A Quality Manual
- Standard operating Procedures
- Records at individual process / department. E.g. Sales, Purchase, Production, Quality Assurance, Maintenance, Customer Service.

## Who all are eligible for ATEX Certification?

- On shore and off shore oil and gas rigs
- Petrochemical Refineries
- Fuel Distribution Depots
- Oil and gas pipeline installation, repair and maintenance.
- Chemical and pharmaceutical industries.
- Mining
- Building, construction and civil engineering in hazardous environments.
- Producers and users of solvents, paints, varnishes and other flammable liquids.
- Printing and textiles.
- Food manufacturers, wood processors, grain handling & storage- where dust are generated.
- Engineering where dust is created due to machining, grinding and sanding.

## How will ATEX Certification benefit your Organization?

The organization shall demonstrate continual improvement in the field of quality management system by maintaining, establishing, implementing and providing documented information.

The documented information required for API registration

- The organizations scope
- The organizations Quality policy and Quality Objectives
- A Quality Manual
- Standard operating Procedures
- Records at individual process / department. E.g. Sales, Purchase, Production, Quality Assurance, Maintenance, Customer Service.

## ATEX Standards for Reference

- For product certification the standards mentioned in the ATEX 214 “Equipment” Directive 2014/34/EU is referred for the compliance to the requirements related for the product to be installed in a potential Explosive Atmosphere.

## Does ATEX certificate has an expiry date?

- An ATEX certificate is valid for the lifespan of a product, and unlike some other conformity assessment schemes, it does not have a validity or expiry date that requires re-certification.

## What does it mean to be ATEX certified?

- The verification of a manufacturer's design specification in relation to a range of applicable standards laid out under the regulation is known as ATEX product certification (or EU-Type Examination). An ATEX Notified Body must complete this certification process.

## **How do I certify an ATEX product that I have not manufactured?**

- When certifying a product over which you have no design control, it's critical to determine whether the product or the material it's constructed of was changed during the design process. If this is the case, producers must ensure that any changes made are within the bounds of the standards to which a product was first certified. Even so, you might need to do some further testing. As a result, certifying an off-the-shelf product from another company is exceedingly difficult, if not impossible, unless you have a tight working connection with them.

## **How PQSmitra help you with a hassle – free Implementation process for ATEX Certification?**

Many organizations have benefited from PQSmitra's assistance in achieving this level of excellence. Organizations can set up a resilient and effective system using the simple and practical way of system implementation. We provide complete documentation compliance support as well as on-site guidance for successful implementation. The implementation process is described below:

- Initial visits and review of the existing product.
- Gap analysis and planning for the technical documentation related to product Design and Product Quality.
- Training and Hand holding/ support for implementation.
- Management review meeting.
- ATEX Certification audit.
- Closure of non-conformities.
- Rewards ATEX Certification to the organization's



## PQSmitraService Features appreciated by clients



Simple &  
Practical Approach



21 Years of  
Service



2500+  
Successful Projects



5,56,000+  
Consulting Hours

# PQSmitra

Simple & Practical

Corporate Office:  
Office No. 7 & 8, Ashok Nagar 1 B, Vazira, Borivali (W), Mumbai – 400 092.  
Maharashtra, INDIA

☎ +91 98202 04373 / 98200 33608

✉ info@pqsmotra.com

🌐 www.pqsmotra.com

[www.pqsmotra.com](http://www.pqsmotra.com)