

European Certification for Equipment to be Placed in Potentially Explosive Atmospheres

ATEX Certification Services

In response to a globalization of industrial equipment manufacturers and the ever increasing demand for flammable and potentially explosive substances, the need for explosion proof and certified safe equipment in potentially explosive atmospheres has grown.

A potentially explosive atmosphere can be caused by the build up of dangerous gases and dust clouds. This renders the need for certified safe electrical and mechanical equipment to ensure that the build up cannot cause ignition and so cause an explosion.

These atmospheres are not limited to fuels, oil, gas, petrochemical, and chemical plant applications, but to environments where airborne dust is found at potentially hazardous levels, including a vast range of applications from mines to flour mills. Likewise, explosions can be initiated by a wide range of permanently installed electrical/electronic equipment, including those brought into the hazardous area by personnel, from simple torches and mobile phones to fixed and often complex industrial electrical and mechanical equipment.

As a result of this complexity of potentially hazardous environments and situations invoicing a vast range of electrical/electronic equipment and machinery, catastrophic events occur in which compliance is not ensured. Equipment that can be used in potentially explosive or hazardous areas/locations, such as in the European Economic Area, requires that the ATEX directive 94/9/EC be applied with independent assessment of the product and manufacturing systems involved and must be conducted by a Notified Body.

The European Economic Area includes the following countries: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, UK



In recognition of the certification needs of manufacturers from outside of Europe looking to supply such equipment, Moody International has entered into partnership with the leading European Notified Body, BASEEFA, to enable the delivery of Notified Body services, via local staff, to manufacturers based in North America, India, and Asia. This local service ensures a cost effective, efficient, immediate, and local language-based service; hence, opening the European market opportunity to manufacturers who were otherwise restricted by exceptional costs, delays, and difficulty in communication with European based organizations.

This additional service, in conjunction with Moody International's formal appointments to other Industrial EC Directives (PED, TPED, SPVD) and statutory accreditations in the US, Singapore, Malaysia, South Africa, and Malaysia, ensures that Moody International is the most responsive and efficient service provider of Industrial EC Notified Body certification that offers total compliance solutions to the industry, wherever the location of manufactures or country of installation.