

Your partner for potentially hazardous projects

# **BUSINESS CHALLENGE**

If you manufacture, install, integrate or use products and systems intended to be used in potentially explosive atmospheres, how do you navigate the numerous challenges involved in complying with country requirements? Regulations are complex, numerous and far reaching with a high degree of risk. Failure to demonstrate compliance to these requirements makes it impossible to enter the market. So in summary - no mark means no market.

# **SOLUTION**

A European Directive, as well as an international scheme and national regulations, are in place to provide for a safer market. The ATEX regulatory framework protects users of equipment placed in potentially explosive atmospheres.

The IECEx scheme is an international Conformity Assessment Scheme covering Apparatus for Explosive Atmospheres, as the internationally accepted means demonstrating claimed compliance with IEC Standards.

As an International Certification Body under the IECEx scheme, a Notified Body for the application of ATEX Directive 94/9/EC and as a recognized testing laboratory, we can help you comply with regulations worldwide.

Our solutions can help you:

- Access worldwide markets through participation in IECEx Certification Scheme
- Enter European markets through CE marking with Directive ATEX 94/9/EC
- Comply with national level requirements by assisting in compliance with national regulations





## WHY CHOOSE BUREAU VERITAS?

**Reputation** – Bureau Veritas, through Bureau Veritas LCIE, is an internationally respected Notified Body (# 0081) for the application of the ATEX Directive 94/9/EC and a leading provider of IECEx solutions.

**Location** – With our Certification/Notified Body in France, and experienced engineers in other regions, we offer you convenient service.

**Technical Knowledge & Leadership** – Being at the forefront of ATEX for 50 years with continuing active participation in all the major technical committees and working groups, we are heavily involved in shaping the future ATEX safety issues. Bureau Veritas is also a founding member of the IECEx scheme. In this manner, we keep you aware of changes in the various approvals requirements and certification methods and can advise you on compliance.

**Personalized Service** – At Bureau Veritas, we are committed to meeting your evolving needs and helping you to anticipate new market trends. We recognize that all ATEX projects are unique with multiple standards and regulations, resulting in the designer/compliance team feeling restricted. Our focus is to partner with you in navigating the complexity of certification processes in all your target markets, acting as an extension of your team.

**Move Forward with Confidence** 

## **OUR APPROACH**

We offer solutions throughout the product life cycle, from design advice through sourcing and manufacturing to certification of product and personnel. Our solutions are organized as follows:

#### **Assistance and Experience**

- Target market requirements for ATEX, IECEx and other international and national markets
- Assistance for meeting the requirements of new applicable regulations
- Risk analysis and danger assessments
- Preparation of audits for evaluating quality systems
- Design compliance check against ATEX and IECEx regulations

## **Testing and Certification**

- In-house testing according to European, international and national requirements
- Building and assessment of your technical file
- ATEX / IECEx certification
- Functional Safety assessment under IEC 61508

#### **Training**

- General ATEX knowledge
- ATEX design requirements
- Knowledge on ATEX manufacturing requirements
- Training for motor repair shop qualification scheme
- Installation and maintenance of Ex equipment
- Training/qualification for competent persons in the field of explosion protection (Qualif-Atex)

#### **Audits and inspections**

 Quality surveillance audits according to EU ATEX Directive and IECEx requirements

#### **Access to European Market**

- EC type examination certificate (Annex III)
- Unit verification (Annex IX)
- Storage of technical documentation
- Production and product quality assurance audits (Annex IV and VII)
- Product verification (Annex V)
- Conformity to type assessment (Annex VI)
- Voluntary certification
- Verification of installations in hazardous areas (Ecaratex)
- Motor repair shop qualification scheme (Reparatex)

### Access to international markets

- With our extensive portfolio of agreements with laboratories worldwide, we provide you with turnkey certification for fast and effective access to U.S., Russia, China, Korea, Canada and Brazil.
- We can issue certificates to help you export directly to the countries where IECEx CoCs are accepted (Australia, New Zealand), or indirectly as it helps you obtain local certification in countries that are part of the IECEx scheme.



# Formal Recognition Agreements with:

- PCEC (China)
- CQST (China)
- NEPSI/SIPAI (China)
- FM (United States)
- KGS, KTL (Korea)
- TIIS (Japan)
- CCVE Nanio (Russia)

# Recognition/Agreements with:

- Bureau Veritas Argentina
- BV Brazil UCIEE (Brazil)
- US Coast Guard (United States)

## Accreditations:

- Designated by the French Ministry in charge of Industry for certification of ATEX electrical equipment categories 1, 2 and 3.
- Accredited by COFRAC for tests on equipment intended for use in potentially explosive atmospheres



## CONTACT

For details about this service, please contact Bureau Veritas electricalmail@bureauveritas.com