

The **Directive 2014/34/EU** defines the construction of equipment intended for use in areas with potentially explosive atmospheres and involves the obligation to certify these products; the Directive imposes **ATEX certification** on all products marketed in the Union itself, regardless of the place of production and the regulations in force there, if they are installed in places at risk of explosion. For this purpose, it is necessary that the manufacturer carries out the risk assessment of its products and constitutes the "technical file" of construction.

SCOPE OF APPLICATION

The Directive includes both surface and mine materials, as the hazard, protective measures and test methods are similar for both materials; the first distinction is made by dividing them into two groups:

- group I: products for use in firedamp mines;
- group II: equipment for surface use.

For each group, the Directive 2014/34/EU, classifies products into categories, according to the level of protection and according to the degree of danger of the environment where they will be placed.

MTIC INTERCERT SRL is **Notified** Body no. **CE 0068** since **2016** to issue the **CE Certificate** for manufacturers of equipment, protection systems and components according to a four-stage certification process.



Step 1: INITIAL EVALUATION

Review of the technical file, verification of the analysis of explosion risks and issue of the assessment report.

Step 2: LABORATORY & ON-SITE TEST

Carrying out any instrumental tests in the laboratory or directly in the field (e.g. IP degree, IK degree, electrical safety, etc.). On-site verification of the compliance of the equipment and protection system with the technical file and issue of the final verification report.

Step 3: FOLLOW-UP

Checking and verification of any changes made to the equipment by the customer; verification of any changes to the technical file.

Step 4: CERTIFICATION

Issue of the CE certificate if provided in the applied annex.