

## VEXAT COMPLIANCE & EXPLOSION PROTECTION



### WHY VEXAT COMPLIANCE?

Explosive atmospheres can occur in many industrial sectors – whether caused by gases, vapors or dust.

#### Personnel Protection

- ✦ Comprehensive explosion protection safeguards your employees from life-threatening risks.

#### Legal Compliance

- ✦ Strict adherence to VEXAT ensures that your operation is legally compliant and protected from potential sanctions.

#### Asset Protection

- ✦ Preventive measures protect your systems from explosions and the often catastrophic consequential damage.

#### Economic Efficiency

- ✦ Avoiding accidents and operational interruptions secures productivity and reduces long-term costs.

### ADVANTAGES OF PROFESSIONAL VEXAT CONSULTING AND IMPLEMENTATION

We are your experienced partner for comprehensive explosion protection services – tailored to your specific needs and carried out according to the highest standards.

- ✦ **Legal Compliance**  
We help you meet all VEXAT requirements and relevant standards correctly and on time.
- ✦ **Risk Minimization**  
Through targeted analyses and measures, we identify and eliminate potential hazards before a critical situation arises.
- ✦ **Solid Basis for Decision-Making**  
We assess your current status and develop precise recommendations for necessary adjustments and investments.
- ✦ **Reliable Documentation**  
We prepare or review your explosion protection documentation to clearly demonstrate your duty of care.
- ✦ **Increased Operational Safety**  
Our expertise significantly contributes to the safety of your employees and the long-term durability of your systems.

### OUR SERVICES IN THE AREA OF VEXAT

Our comprehensive explosion protection services guarantee maximum safety and compliance for your operation. Through precise analyses, expert consulting and detailed documentation, we effectively prevent failures – ensuring maximum safety and long-term conformity.

#### CONSULTING & ANALYSIS

- ✦ *Risk Assessment* – Systematic identification and evaluation of explosion hazards caused by flammable substances and ignition sources.
- ✦ *Zone Classification* – Professional classification of hazardous zones according to VEXAT requirements.
- ✦ *Identification of Ignition Sources* – Detection of potential ignition sources such as hot surfaces, flames, sparks, electrical equipment, electrostatic discharge, etc.
- ✦ *Review of Existing Documentation* – Analysis and evaluation of your current explosion protection documents for completeness and up-to-date compliance.

#### CREATION & UPDATING OF EXPLOSION PROTECTION DOCUMENTS

- ✦ *Comprehensive Documentation* – Preparation of detailed and legally compliant explosion protection documents including all relevant information and measures.
- ✦ *Regular Updates* – Implementation of necessary revisions following changes to systems, processes or legal requirements.

#### TRAINING & INSTRUCTION

- ✦ *Employee Training* – Specialized training for employees working in hazardous areas, focusing on risks and correct behavior.
- ✦ *Awareness Building* – Enhancing awareness of the importance of explosion protection within your organization.

Safe even in hazardous atmospheres.

#### INSPECTION & EVALUATION OF SYSTEMS AND EQUIPMENT

- ✦ *Inspection of Ex Equipment* – Verification of electrical and non-electrical equipment used in explosive atmospheres for conformity.
- ✦ *Safety- Relevant System Inspection* – Checks on ventilation, extraction and inerting systems regarding their effectiveness and functionality.
- ✦ *On- Site Measurements* – Execution of relevant measurements to evaluate explosion protection measures, e.g., dust explosion tests.

#### MEASURES PLANNING & IMPLEMENTATION

- ✦ *Definition of Protective Measures* – Development of preventive (avoiding explosive atmospheres, preventing ignition sources) and constructive (explosion venting, explosion suppression) safety measures.
- ✦ *Support During Implementation* – Consulting and support during the integration of technical and organizational protective measures.