

lorien engineering solutions

DSEAR – Dangerous Substances and Explosive Atmospheres Regulations

DSEAR is a legal requirement in the UK and is made under the EU Chemical Agents and Explosive Atmospheres Directives. This is concerned with the minimum requirements for improving safety and health protection of workers potentially at risk from explosive atmospheres.

Dangerous substances are any substances used or present at work that could, if not properly controlled, could cause harm to people as a result of a fire or explosion. They can be found in nearly all workplaces and include such things as solvents, paints, varnishes, flammable gases such as liquid petroleum gas (LPG) and the processing of powders such as organic materials. This last category involves the processing, storage and movement of a surprising range of products, including common dry food ingredients such as sugar, starch and milk powder.

lorien engineering solutions services:

Where a company is processing, moving or storing substances that may form an explosive atmosphere, there is an obligation to consider the likely risk, and provide adequate mitigation and /or protection measures. **lorien engineering solutions** can project manage this process for you, including the creation of an Explosion Protection Document and undertaking an Area Classification Study.. As an experienced engineering design and management company, we possess the in-house technical expertise to undertake plant inspections and risk assessments ensuring a best practice approach to DSEAR.

The five main areas to be considered are;

- Risk Assessment
- Elimination or reduction of risks
- Classification of workplaces
- Accidents, incidents and emergencies
- Instruction and training

lorien engineering solutions can assist with all stages of the DSEAR compliance process including:

- Providing Engineer's reports and advice
- Inspections of processes and designs
- Risk Assessment process
- Area Classification
- Final inspection of the installation

Why use **lorien engineering solutions**

- Trained, experienced and competent engineers.
- Cost effective solution to meeting your legal obligations as required under DSEAR
- To be a partner of choice regarding DSEAR
- As the final system integrator **lorien engineering solutions** can reduce your time to market
- **lorien engineering solutions** will be totally committed to providing a complete service to you with a 'can-do' attitude.
- At all times **lorien engineering solutions** will act with integrity, honesty and openness.
- Provide training and a gap analysis review against the Regulations.

consult · design · manage · construct

lorien engineering solutions limited

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