



Hazardous Area is an area of expertise for our Critical Systems Engineering Department

EIS has international experience in electrical equipment for hazardous areas (EEHA) where dusts, gases or mining are present, including those associated with fuel oils, fuel gases, coal dusts, milk powder, food processing and storage.

Our services in this area encompass classification, design, installation, validation, inspections, and maintenance.

Design Services

- Area classification or ‘zoning’
- Equipment selection and installation design
- Entity calculations for intrinsically safe equipment

Installation Services

- Installation of field devices
- Installation and programming of isolating barriers
- Installation of cables and cable glands
- Installation of isolation and identification devices

Inspection and Documentation Services

- Initial inspection of newly installed equipment
- Compilation and review of hazardous area equipment dossiers
- Development of periodic inspection schedules
- Implementation of detailed, close, and visual inspections

Maintenance Services

- Instrumentation checks and calibration
- Machine and general electrical EEHA maintenance