



ELECTRICAL • INSTRUMENTATION • HAZARDOUS AREAS

Case study: Hazardous Area - ATEX Inspection & Maintenance Services.

At a Glance

- ATEX Hazardous Area Inspection & Maintenance Strategy Development
- Carrying out ATEX Inspections
- Ensured verification of all installed 'Ex' rated equipment
- Ensured compliance with all standards & regulations
- Compiled 'Ex' register and updated clients' database
- Carrying out Electrical Inspections
- PDA and Asset Management Software
- Remedial Actions
- Auditing and Compliance
- Value Engineering Solutions

Zeon Chemicals Europe Ltd: ATEX Inspection & Maintenance Services

Customer Profile

Zeon Chemicals is in the top league of world manufacturers of synthetic rubbers, and is the market leader in the development and production of oil resistant speciality rubbers for automobile components. With a strong focus on research and development, Zeon leads the world in the manufacture, processing and sales of a vast range of petrochemical products.

Technical Remit

C&P Engineering Services have been assisting Zeon Chemicals Europe at their Barry site, South Wales with compliance for ATEX inspections since August 2014. We have carried out inspections and a fault repair registration, complying with BS EN 60079-17. C&P supplied a team of ATEX (Hazardous area) CompEx qualified inspectors to methodically work through an asset list of electrical equipment, utilising hand held PDA units to automatically download information to the asset management software for ATEX equipment. The software (Supplied by Terrington Data Management) has helped Zeon Chemicals Europe control and schedule their inspections, manage certificates and drawings and fully comply with record keeping required by the HSE.

ATEX Inspection & Maintenance Strategy Development

Working together we have constructed and implemented a maintenance plan to carry out remedial work and produce loop drawings of equipment on site (CAD format) to ensure compliance.

Electrical Considerations

C&P have agreed an on-going maintenance plan with Zeon to ensure they conform to DSEAR, ATEX and HSE requirements, and more recently carrying out electrical circuit inspections referencing the requirements under BS 7671-part 6 in conjunction with BS EN 60079-14 section 4.1-General Requirements.

Electrical installations in a hazardous area should also comply with the appropriate requirements for electrical installations in a non hazardous area, however the requirements for non hazardous areas are insufficient for installations in hazardous area.

Business Outcome

Peter.K. Smith (Senior Electrical I/E Engineer Projects) commented: "I would recommend C&P as a professional well managed company who can deliver a Hazardous Area ATEX inspection and maintenance strategy to help your company adhere to legislation and satisfy the regulatory body inspections."

ZEON



For more information on how C&P Engineering Services can assist you with your hazardous area inspections and meeting compliance, please contact us:

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