

HAZARDOUS AREA TRAINING

Introduction to Ex ATEX / IECEx Training course

An introductory training course aimed at operators, contractors, system integrators and designers.

Covers the need for explosion proof protection, history and the options available to ensure electrical equipment safety in hazardous potentially explosive atmospheres.

Subjects covered include:-

Concept of Zoning, Temperature class, Grouping,
Protection methods Exd, Exi, Exe, Exp, Exm, ExN, Exo, Exq, Exs
Installation requirements
IP ratings

Delivered by John Blach, designer of explosion proof devices for hazardous area applications.

Agenda

Hazardous Area Training - an introduction

Day 1

Morning

Brief history – necessity born out of disaster

ATEX / IECEx certification

Concept of zoning, EPL, AIL, Effects of temperature, Temperature class, Grouping, Dust and Gas Hazards

Afternoon

Explosion proof requirements

Protection concepts and how they are designed into a product

Exd, Exi, Exe, Exp, Exm, ExN, Exo, Exq, Exs

Installation and maintenance

Information is delivered in a structured but informal manner with question / answer sessions encouraged throughout the presentation.

About the trainer

John Blach started his career with Communication and Control, [CCE] Calverton, Nottingham, England in 1975 and rapidly rose to position of senior development engineer delivering designs initially destined for the coal mining market and then later for the embryonic UK North Sea petro chemical industry designing a number of products for the offshore telecommunications market. Following employment with Communication and Control was then involved in the design of explosion proof equipment and systems destined for worldwide petro chemical industry. Elemec Ltd (1980s) Akusta Ltd, Spector Lumenex Ltd (1980s to 1990s), Vodec Ltd (2000s) designs were in accordance with prevailing standards based on BS5501, EN50014 and more recently EN60079.

Presently John is Technical director with the design team at Zitel Ltd UK who are delivering 'state of the art' life safety critical PAGA and voice solutions to the petro chemical industry utilising CLASS G amplification, VOIP Communications media, explosion proof addressable flashing beacons / loudspeakers and remote supervision via Internet.

Past design products include Ex d Flameproof intercom and lighting, Ex p Pressurised PAGA racks, Ex i Intrinsically safe microphones and control systems, Ex m Encapsulated electronics, Ex e Increased safety termination boxes.

