

Hydrogen Hazards and Detection in the Battery Room

Syllabus: Hydrogen gas monitors are a critical and functional component in standby power battery rooms. They provide compliance assurance and notification of necessary corrective action should hydrogen gas approach explosive levels. Learn the principles of ventilation and how to specify a hydrogen detection system for the battery room.

What should I know about ventilation of the battery room or cabinet?

International Fire Code, National Fire Protection Administration and OSHA require facilities to have proper ventilation. Learn about these ventilation requirements for various battery technologies and what you need to do to meet the code requirements and provide a safe environment.

How do I specify and maintain a hydrogen detection system for my room size?

Hydrogen systems need to be designed with the proper amount of sensors based on the size of the room. Sensor heads require accurate calibration and maintenance. Learn the requirements for sizing hydrogen detection systems and what is necessary to maintain them.



Audience: Electrical Engineers, Specifying Engineers, Project Managers, Power Engineers, Standards, Facility Engineering, EH&S Management and Property Managers serving the Telecommunications, Utility and Datacenter Industries.

Course Length: 60 Minutes

Delivery Format: Onsite Lunch & Learn or Live Webinar

Course Learning Objectives:

- ⇒ Learn Gas Detection Basics
- ⇒ Understand Characteristics of Hydrogen Gas in a Battery Room
- ⇒ Elaborate on New International Building Code Requirements
- ⇒ Understanding LEL
- ⇒ Learn how to select and specify components of a fixed system



Jeff Donato has over 20 years of sales and management experience in the industrial battery industry. He has sold and represented leading battery manufacturers and compliance products in the datacenter, utility and telecommunications applications. Jeff is an active member of the IEEE standards committee and is the current chair of working group 1578 and is a member of several other IEEE working groups. He presents standby power system Environmental Health & Safety training to engineering, architect and OEM manufacturing firms and delivers stationary battery room solutions training to end users and specifying engineers.

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