

## **Tutorial 2: Hazardous Area Classification**

Author: Allan Bozek (EngWorks Inc.)

Abstract:

### **Tutorial Outline**

Basic principles of hazardous area classification: Defining the Zone/Division, classification extent, group classification and auto-ignition temperature (T-Code)

Overview of the various codes, standards and recommended practices for classification design: IEC, API, NFPA, IP standards

Methods of classification design: Classification by example, Point source calculation methods

Classification of enclosed locations: Assessment methods, Ventilation requirements for Zone 2

Other considerations: Gas detection, vapour barriers, pressurization