

## **ATEX Design Competency Course**

Course Number ATEC104-5

### **Course Overview**

This is an engineering-level competence-based course for designers of equipment / systems needing to meet ATEX requirements. EN (or IEC) 60079-14 standards require persons who design equipment or systems for use in potentially explosive atmospheres to be properly trained and certified as “competent” - this course is designed to fulfill that requirement. Anyone who has the responsibility for ensuring that such equipment or systems is suitable and in compliance with the ATEX directive and / or EN (or IEC) standards will benefit from this course between NEC, IEC, and ATEX.

### **Course Content**

Explosion principles, gas properties and hazards

- Protection Concepts and Zone Applicability for Ex d, e, n, i, o, m, q, and p equipment
- Protection Concepts and Zone Applicability for non-electrical equipment
- ATEX 137 - The workplace directive
- Routes to ATEX compliance for mechanical equipment
- How to compile a technical file for compliance
- How to conduct ignition hazard assessments
- Practical Exercise to produce an EC Declaration of Conformity

### **Course Details**

**Location: ATEC Training & Certification, Houston, Texas, Port Harcourt, Lagos**

**Min / Max Students: 5 / 12**

**Special Requirements: None**

**Certification: Certificate of competence issued by ATEC. Valid for 5 years**

**Resource Churchill Ltd**

Tel: +234 905 766 6626 Email:  
Info@resourcechurchill.com  
Web: www.resourcechurchill.com