Functional Safety in Rail & Metro (EN 5012x Series) – 3-Day Training Programme

Overview

The rail and metro sector is one of the most safety-critical industries, where reliability, system integrity, and risk management are paramount. Functional Safety, governed by the **EN 5012x series standards**, is the backbone of ensuring safe and dependable railway systems.

This **3-Day Professional Training Programme** is designed to provide employees, engineers, and industry professionals with comprehensive knowledge of **Functional Safety principles, standards, and practical applications** within the Rail and Metro domain. Participants will gain insights into **safety lifecycle management, risk assessment methodologies, SIL (Safety Integrity Level) requirements, and compliance frameworks** as per EN 50126, EN 50128, and EN 50129 standards.

Who Should Attend

- Employees from Rail, Metro, and Industrial Sectors
- Railway Engineers, Metro Engineers, and Safety Professionals
- Graduates and Postgraduates with an Engineering Degree from a recognized university
- Professionals seeking to enhance their expertise in **safety-critical systems and standards compliance**

key Learning Outcomes

By the end of this training, participants will:

- Understand the **principles of Functional Safety** in railway systems.
- Gain knowledge of the **EN 5012x standards (EN 50126, EN 50128, EN 50129)** and their applications.
- Learn the **safety lifecycle approach** in design, development, and operation.
- Apply **risk analysis and hazard identification techniques** in real-world contexts.
- Acquire skills for **Safety Integrity Level (SIL) determination and verification**.
- Develop awareness of **compliance requirements and safety certification** for rail and metro systems.

Training Highlights

- **Duration:** 3 Days (Intensive Professional Programme)
- **Mode:** Classroom / Workshop / Online (Flexible)
- **Certification:** Participants will be awarded a **Certificate of Completion** in Functional Safety (EN 5012x – Rail & Metro).
- **Expert Faculty:** Delivered by industry professionals with expertise in **rail safety, signalling, and functional safety standards**.

Programme Benefits

- High-demand skillset for the growing **Rail & Metro industry**
- Enhances career prospects in **Safety, Risk, and Reliability Engineering**
- Equips participants with **practical tools and methodologies**
- Industry-recognized certification for **professional growth and compliance readiness**

 Enroll Now to secure your place in this **highly specialized training programme** and advance your career in the **Rail & Metro Functional Safety domain.**