

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



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.

**ENROLL NOW TO SECURE YOUR PLACE IN THIS HIGHLY SPECIALIZED TRAINING PROGRAMME AND ADVANCE YOUR CAREER IN THE RAIL & METRO FUNCTIONAL SAFETY DOMAIN.**



# 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, S

**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

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