

IFF IM 48 / EN

Track and engineering structures



TARGET AUDIENCE

Young Managers and Technicians: Infrastructure Maintainers.



GOALS

- Integrate the operation of the installations and the general principles of the maintenance of the Track and Structures.
- Understand the principles of track geometry monitoring, recording and processing.
- Understand the phenomenon of rail expansion and its impact on track stability.
- Know and understand the operation and monitoring of track switches.
- Know and understand the different aspects of the "Railway gauge" and their applications for siting installations near the tracks.
- Discover the evolution of the construction of engineering structures over the generations from masonry to mixed and prestressed concrete.



PREREQUISITES

Immersion in an establishment and discovery of the railway environment.



DURATION: 4,5 Days

• **Level 2 assessment:** Skills assessment acquired at the end of training ➔ **Yes**



PROGRAM

- Railroad technology
- Rail traffic gauge (overall aspect)
- Recording of track geometry
- Rail safety related to the track and switches
- Platforms and seating layers
- Structures: OH / OT / OA between old and new
- Work near and under railway tracks
- Pathologies and dysfunctions affecting the railway infrastructure
- Field trip: visit of crossings and structures



EDUCATIONAL MODALITIES

Diversified training alternating between theory and practice of Track and Structures technology.