



Ramón

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Biography:

I studied Industrial Engineering at the University of Castilla La Mancha and the University of Perugia, in Italy (Erasmus); after completing these studies, I worked for two years as a researcher at the Parthenope University of Naples with a research grant in renewable energies; upon my return to Spain, I worked as a Railway Engineer in a small company, until my incorporation in Adif, in June 2019, where I am a Railway Engineer in the development and construction manager in level crossings protection projects.

Title of presentation:

Automatic Protection Systems in Railway Level Crossings

Summary:

Automatic protection systems in railway level crossings and complementary systems for increase the security in level crossings, in Spain.

Summary:

- **Current Situation in Spain**
- **Technologies**
- **Adif Type Automatic Protection System**
- **Adif Data Recorder System**
- **R + D: Adif Obstacle Detection System.**