Jesus Martinez

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Born 1972

Driving licence.

**Profile**

Railway & Transport engineer, Manager for ERTMS, CBTC, ATO/ATP, infrastructure, rolling stock, RAMS, superstructure and civil works. Very dynamic person and good communication skills. Wide experience in teams and budget management in Europe, America and Middle East.

**Career**

From year 2004

**Railway & Transport Project Manager.**

* Saudi Arabia: ERTMS level2 (Signalling & Telecom), infrastructure management, RAMS, risk management, test&comm. SRO.—Budget 230MM €. Freight and passengers line for SAR. 400km. From Feb2014. Project Management for civil works, S&T, superstructure and CTC.
* Systems engineering: ERTMS level2, superstructure design management, RAMS, SDH optic fiber, MPLS, GSM-R, antennas, GPRS, on-board Cab Radio equipment (EVC & sensors), WiFi, VoIP, object controllers (track circuits, balises, pointers, level-crossing, signals), civil works, catenary, rolling stock and traffic control. Turkey.- 90MM €. TCDD passenger lines Balikesir. 420km. From Jan2012-Dec2013. Project Management for S&T, CTC, superstructure and catenary.
* Locomotive-IXL interface: Telecom, antennas, DMI, sensors, power & electrical, odometer and computer (EVC) interface design management for suppliers. Site survey, loco test&commissioning and RAMS. Interlocking interface design. 9MM €. Turkey and Spain.
* Panama: IP communications, VoIP (on-board systems), MPLS, VLAN, routing (interlockings and balises), WiFi, 3G, HSPA, 4G, CBTC, ATO/ATP (protection). Traffic control.- 1200 MM €. Panama Metro line1. From Jan2010-Dec2011. Project Management for S&T and ATO/CBTC rules.
* CBTC (automatic control) and rolling stock in metro. Locomotive-IXL interface. Metro Madrid. Jan2004-Dec2009. Project Management for S&T, CTC.
* High speed lines in Spain: ERTMS level2, SDH, GSM-R & GPRS install, on-board Cab Radio and rail infrastructure (rails, joints, sleepers, creepers, ballast). Single track and double track. 3000MM €. East line, North line. From Jan2004-Dec2009. Project Management for S&T, risk management, T&C, superstructure.
* ERTMS, ATO/ATP, ASFA (commuter trains, tracks and sidings). Interlockings and man-machine interfaces. Spain. ADIF. Project Management for S&T.
* Engineering Management: WiFi, ATO signalling, on-board communications. Santiago Metro.- 500 MM €. DHR. Year 2012. Project Management for S&T and traffic rules.
* Low speed superstructure & civil work management: ballast, rails, sleepers, signals and catenary works. ADIF. DHR. Year 2006. 10 MM €.
* Interlocking development teams (.Net & hardware) and videographic system for stations and sidings. DHR. ADIF. Year 2004-2006. 10 MM €.
* CMMI & ITIL methodologies for Project Management. Quality and RAMS. Usually reporting to Board of Directors. DHR. For all companies.
* Bidding, Tenders and deliverables in English and French: high speed lines. Tender manager, T&C. Year 2004-2011. 100 MM €. For all companies.
* Suppliers & contractors Interface Manager (civil works & rolling stock). Project planning and budget control. DHR. Year 2004-2011. 100 MM €. For all companies.
* Usually working in international and multicultural environments. Interface within different teams and technologies: signalling, civil works, catenary, rail superstructure and budget. DHR. Year 2004-2011. 110 MM €. For all companies.

From year 1996 to 2004

**Systems Engineer in Alcatel. IXL design and testing. RAMS.** Budget 200 MM €.

* Industry’s most advanced railway control machines: interlockings (IXL), signals, LEUs, pointers, track circuits. Hardware development with microcontrollers.
* Multiservice railway networks: VoIP, GSM-R, GPRS, 3G, WiFi, MPLS, DWDM, Routing, SDH, BTS, BSC, MSC and antennas in civil works.
* Brazil and Portugal: telecom systems config and install. Cisco, Nortel, Alcatel.
* Comm. machines: Cisco, Huawei, 3COM, switching, firewalls, optical fiber.
* UK and Spain: Trainer for optical, mobile GSM/GPRS, security and open systems (Linux, UNIX). Analyst-programmer for embedded software & firmware.

**academics**

2000 **Computer Engineer**. Universidad Politécnica de Madrid.

1999 **Telecom Engineer**. Universidad Politécnica de Madrid (*unfinished*).

1993 **Industrial Engineer**. Universidad Politécnica de Madrid (*unfinished*).

**Training**

2011-12 MBA (technology and finances).

2009 Team management for projects.

2008 IT infrastructure.

2006 Civil works management.

2004 CCNA Cisco.

2002 Java and C++.

2001 VoIP systems.

2000 Cisco routers. ICRC, ACRC.

**Languages**

**English:** C2 level in Common European Framework. Proficiency level.

**French:** B2 level in CEF.

**Portuguese:** Mid level: very good reading and understanding. Worked in Brazil and Portugal.

**Chinese:** Basics (learning).