

Manuel Angel Ordoñez Ramirez

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- **PhD Engineer (industrial an environmental)**
- **Master Degree in Engineering Design**
- **Mechanical Engineer**
- **Industry 4.0 Development Projects**

Professional profile

- Executive Technical Director of Engineering Office for International Projects with more than 20 years of experience in manufacturing industries. Sectors: Passive electronic components, automotive TIER1, Aeronautics/Aerospace and Naval.
- Teaching experience of CAD/CAM/CAE. Instructor for 5 years.
- High-level technological projects management (AIRBUS, European Space Agency, I.T.E.R.)
- Budget control and CAPital EXPenditure. Negotiation of B2B contracts
- 4 years experience in development projects in Industry 4.0 and IoT (Internet of Things)
- Lean Manufacturing, use of Core Tools and 8D for 'Discrete' and 'Process' manufacturing.

Main Abilities and Skills

- Lean Manufacturing, Six Sigma, 5S, 8D, Core Tools.
- Process reengineering.
- Negotiation skills and closing of contracts
- Leadership, motivation and communication skills
- Control and management of CAPEX / OPEX.
- PMP organization according to PMBOK and APQP.
- Conflict resolution and mediation
- OEE Metric, Waste Control (MUDA)
- Empathy
- Teamwork

Languages

Spanish (Native)

English (High Conversation / High written / High read)

Some computer knowledge

Solidworks (Highly proficient), AutoCAD (Highly proficient), MS Project (Highly proficient), SQL Server (Proficient), Dassault Systems CATIA (Proficient).

Experience Summary

2018-2020 Technical Director of Special Projects Department

Company: TDK Electronic Components, S.A.

Position: *Director of Special Projects Department "High Power"*

Funcions: Project Management for Automation project special projects.
Automation and robotization projects for manufacturing and assembly lines for Spain, Germany and China.

2015-2018 Sr. Project Manager / PMO Manager Assistant

Company: Desarrollo de Sistemas Avanzados, S.L. (D.S.A. Test & Technology)

Position: *Senior Project Manager / Project Management Office Manager assistant*

Functions: Project management for development of test and assembly machines.
Project Manager of projects for China, Poland, Mexico, Brazil and USA.

Main customers:

- HT Automotive, Continental, Delphi, Valeo, Grupo Antolín, Aston Martin, Volkswagen.

2013-2015 Project Manager / Senior Engineer

Company: SGENIA SOLUCIONES GROUP (BRANCH OFFICE: QUINTA INGENIERÍA, S.L.)

Position: *Industrial Engineer*

Functions: Project Management of customized industrial machines for clients.
Project Manager at DIANNA R&D Project (**AIM - AIRBUS Defense & Space**).
Development, calculation and validation of aerospace structural elements and Propulsion Ion Neutralizer (**ESA - European Space Agency**).
Development of Nuclear Pressure Gage for Tokamak into the **I.T.E.R.**
Development of projectile fixings in Eurofighter (**INDRA - Military**)

2012-2013 CAD/CAE Teacher and Project Management instructor

Companies: SERPRO & CADTECH (Grupo CT)

Position: *Teacher of CAD/CAE, Project Management, Provisioning management*

Functions: Teacher to program, teach and evaluate courses aimed at the unemployed and workers, certified for the teaching of Government Employment Program and other continuous training courses.

PROFESSIONALISM CERTIFICATE TEACHING Supply Management Techniques
COMPETENCY EVALUATOR (Andalusian Government - IACP)
TEACHING OF CATIA V5
TEACHING IN HIGHER TECHNICIAN PROJECT MANAGEMENT

2010-2012 Instructional Engineer & Management of CAD/CAE department

Company: CARMAN Consulting Center

Position: *Full Professor of CAD/CAE and FEM Calculus*

Functions: Drive the learning of students and evaluation of skills acquired in the development of mechanical design, resolution of difficulties of departmental organization, implementation of new controls in the classroom.
Teaching of the Finite Element Method (FEM).
CATIA V5 Mechanical Design instructor
SolidWorks Industrial Design instructor

2001-2010 CEO & Portfolio Manager

Company: EUROTECH Ingeniería y Consulting

Position: *Chief Executive Officer*

Functions: Assume the leadership for the stabilization of benefits and recovery of the volume of the strategic indicators (KPI's).
Continued work as an outsourced engineering department for various clients (SUZUKI, FAETON, MINISDEF, AUSA, ITURRI, INFRICO, MOTOR HISPANIA, PRAMAC, HIMOINSA, DEEP SEA ELECTRONICS, HIDRAL, ETC.)

1999-2001 Área Manager

Company: SGE Consultores

Position: *Office Manager*

Functions: Conceptualization and implementation of the Technical Documentation System for an off-road vehicle manufacturing company (SUZUKI) through software-based management with XML / SGML + DTD technology.
Implementation of BPM Systems.

1998-1999 Head of technical department

Company: FERROPLAST

Position: *Head of technical department*

Functions: Developed and maintained drawings of manufacturing systems, control and development of technical documents, description and development of flow diagrams. Optimization and automation of company production lines. Coordination of the implementation and start-up activities of a new manufacturing plant of the company in Morocco.

Education

PhD in Industrial and Environmental Engineering

Line of research:

Industrial Engineering, Renewables, PRL, Geographic information systems

Almería University

Industrial Engineer

Jaen University

Grading: A (95)

Master's Degree in Design and Representation in Engineering and Architecture

Almería, Málaga & Córdoba Universities

Grading: A (100)

Automotive Specialist Technician

Spanish Army High School

Grading: B (75)

Further training

- **Using Core Tools and 8D techniques over APQP Based projects**
AENOR
- **Master CATIA V5**
CT Formación / Dassault Systemes
- **Master in Project Management aligned with PMI® method**
Spanish Confederation of Entrepreneurs
- **Design and Manufacturing with CATIA V5 and SolidWorks**
Official Training Spanish Government
- **Adults teacher**
Official Training Spanish Government
- **Industrial Security for Spanish Army**
National Intelligence Center (CNI)
- **NATO Catalog Specialist**
General Directorate of Armament and Material (Ministry of Defense)

Books edited as author

- **Important reforms in bodywork of vehicles**
ISBN: 978-84-15648-50-5
- **Maintenance of engine lubrication and cooling systems**
ISBN: 978-84-8364-973-2