



Ruben Calles Alonso

Senior IT-OT Engineer / MES Consultant

★ KEY SKILLS

Professional

- ♦ **MES:** PAS-X, Lion Connect
- ♦ **IT/OT Networks & Infrastructure**
- ♦ **Switches:** Cisco
- ♦ **PLC/HMI:** Siemens TIA PORTAL, Rockwell Allen-Bradley, Mitsubishi, Omron, Schneider
- ♦ **DCS/SCADA:** Siemens WinCC, PCS7
- ♦ **Industry 4.0 & IIoT:** Kafka, MQTT
- ♦ **Robotics:** ABB & KUKA
- ♦ **Vision Systems:** Cognex, Omron.
- ♦ **Thin Clients:** Thin Manager
- ♦ **IT infrastructure:** Microsoft Windows Servers, Active Directory
- ♦ **Industrial Cyber-Security**
- ♦ **Virtualization:** VMware ESXi, VirtualBox
- ♦ **Industrial protocols:** EtherNet/IP, Modbus, Profibus, OPC UA, Profinet
- ♦ **Databases:** Microsoft SQL
- ♦ **Programming & Scripting:** Python, VBS, PowerShell, Shell Script, SCL, KOP, AWL
- ♦ **Electrical Design:** Eplan Electric, AutoCAD Electrical
- ♦ **Microsoft Office suite.**
- ♦ **Operating Systems:** Windows, Linux (RHEL, Ubuntu, Debian).
- ♦ **Containerization:** Docker, Podman
- ♦ **Version Control:** Octoplant/VersionDog
- ♦ **Regulatory Compliance:** GxP (GMP, GAMP5)
- ♦ **Test Management:** TIMS (Test Information Management System)
- ♦ **Agile Methodologies:** Scrum Framework



PROFILE

With over 18 years of international experience, Ruben has built extensive expertise in automation processes across all levels, from Manufacturing Execution Systems (MES) to real-time control (DCS, SCADA, PLCs, and robots), and data acquisition (sensors, vision systems, and IIoT devices).

His understanding of IT networking enables him to facilitate the integration of IT and OT, ensuring secure communication and efficient data flow in industrial environments.

His expertise in GxP-regulated environments allows him to design, optimize, and troubleshoot complex automation systems while ensuring compliance, cybersecurity resilience, and efficiency across diverse manufacturing settings.



PROFESSIONAL EXPERIENCE

ProjectBinder, Worldwide, Aug 2018 - Present

Senior IT-OT Engineer / Digital Transformation Consultant

Working as a consultant across multiple projects:

- **Novo Nordisk A/S:** MES Consultant supporting multi-vendor packaging line integration at vendor sites through PAS-X configuration and FAT execution. Responsible for setting up and testing the communication between PAS-X, LionConnect, PLC and Track&Trace systems.
- **Novo Nordisk A/S:** Responsible for the Multi-vendor Program PSnet in a Box (PIBs), enabling virtualization of PSnet services to simulate the production network at vendor sites (Uhlmann, Pester, Dividella, Robomat, B+S, Fargo) for efficient unit FAT execution. Tasks include network configuration, service virtualization, and server infrastructure management.
- **Novo Nordisk A/S:** Led teams of IT/OT engineers worldwide in successfully rolling out VersionDog/Octoplant across the corporation in 10+ sites.
- **Ferring A/S:** Supported network migration and installation of production lines.
- **Rockwool A/S:** Developed and deployed advanced WinCC SCADA tools to enhance control systems, leading to successful global rollout across 14+ sites, reducing downtime, and increasing productivity. Led the integration of Industry 4.0 IIoT tools, utilizing Kafka for real-time production data collection, processing, and visualization through interactive dashboards.
- **Novo Nordisk A/S:** Supported the on-site commissioning and validation of four Novo Nordisk FlexPen packaging lines in Iran and Algeria. Responsibilities included network configuration, FAT & SAT execution, documentation creation, employee training, and PLC code review.

BMW, Germany, Mar 2017 - Jul 2018

Senior Automation Specialist

Programmed robotic systems for new automotive manufacturing lines, optimizing productivity, product quality, and worker safety.

ROHACO Industrial Handling BV, The Netherlands, May 2016 - Feb 2017

Software Engineer – PLC & SCADA

Designed, developed, commissioned, and tested production lines across diverse industrial environments, working with PLCs and SCADAs of all brands.



Personal

- ♦ Professional Mindset
- ♦ Communicative
- ♦ Influential Leadership
- ♦ Proactive Approach
- ♦ Problem-Solving
- ♦ Collaborative
- ♦ Continuous Learner
- ♦ Resilient
- ♦ Innovative Thinking
- ♦ Flexible and Adaptable



LANGUAGES

- ♦ **Spanish:**
Native proficiency
- ♦ **English:**
Full professional proficiency

rubencalles.com

linkedin.com/in/ruben-calles

TrioMachine SL (Gaitech), Spain, Jan 2016 – May 2016

Electrical Department Manager, Spain

Led the electrical department, handling design, installation, and improvement of automation systems, including electrical drawings and cabinet assembly.

Crown Packaging, United Kingdom & Spain, Jun 2006 – Aug 2014

Various positions:

- **Customer Service Electrical Engineer**, Crown Packaging UK, 2011 - 2014
- **Head of PLC & Artificial Vision Systems**, Crown Packaging Spain, 2006 - 2011



EDUCATION & CERTIFICATIONS



PAS-X V3.3 Professional Certification, 2024

Körber Pharma



PAS-X V3.3 Basic & System Administration Certifications, 2023

Körber Pharma



Industrial Control Systems Cybersecurity Certification, 2022

Cybersecurity and Infrastructure Security Agency (CISA)



ThinManager Certified Integrator, 2020

Rockwell Automation



Advanced Industrial Robotics Course, 2016

Nabrija University



Higher Grade in Automatic Regulation & Control Systems, 2004 - 2006

Hogar College