Martin MAZENS

LinkedIn

View my profile

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Montpellier, France

PROFILE

Mechatronics engineering student and industrial automation apprentice at MWSC. I connect field equipment, Beckhoff PLCs and control software through concrete batching plant configuration and bench testing.

EDUCATION

IMT Mines Alès
Mechatronics engineering programme
Since 2025

ENSEIRB-MATMECA
Electronics studies, Bordeaux
2024 - 2025

CUPGE EEA
Paul Sabatier University, Toulouse
2022 - 2024

Baccalauréat
L'Essouriau High School, Les Ulis
2022

SKILLS

Automation: Beckhoff, TwinCAT 3, Structured Text, Dorner Batch

Networking: PROFIBUS, EtherNet/IP, DeviceNet, Modbus TCP and ADS

Software: C#/.NET, SQL Server, HTML and Arduino

Integration: wiring, testing and documentation

French (native)
English (C1)

WORK EXPERIENCE

Industrial automation apprenticeship · MWSC

Montpellier · Since 2025

- **Development and configuration of industrial automation solutions using Beckhoff TwinCAT 3 and C#/.NET.**
- **PLC programming, I/O mapping, workshop testing and on-site installation.**
- **Integration and troubleshooting of industrial communication networks, including EtherCAT, PROFIBUS, EtherNet/IP and DeviceNet.**
- **Configuration of concrete batching plants from electrical drawings, including Beckhoff hardware, Dorner Batch setup and on-site installation with the team.**
- **Preparation of technical documentation, test procedures and installation tools.**
- **Troubleshooting and improvement of PLC programmes, hardware configurations and software interfaces.**

SELECTED PROJECTS

Industrial weighing · Beckhoff and PRECIA

Connected weighing equipment to plant software so it could use the measured weights. Adapted a TwinCAT programme to handle multiple data formats and checked the received weights against the scale display.

R&D · Beckhoff–WAGO bench test

Explored how to keep existing WAGO equipment during a plant upgrade. Built the PROFIBUS connection, configured data exchange in TwinCAT and verified communication on the bench.

Electronic piano · Team project, 2026

Helped build a record-player-inspired instrument that plays, records and replays note sequences. Contributed to the circuits and enclosure and wrote the Arduino programme.

Bilingual portfolio · Personal project

Built a responsive C# and ASP.NET Core site to present my work, with French and English pages, project search and category filters.