

Business Engineer & Electronics Engineer



With a dual competency in **engineering and procurement**, I combine an electronics engineering background with hands-on purchasing expertise to drive industrial projects on an international scale. **Junior Buyer at OpMobility** and on an export mission, I bridge technical teams, suppliers and international markets to secure cost, quality and lead times. Determined and curious, with the listening skills to negotiate, I actively seek out new challenges.

maladhobarry4928@gmail.com 07 80 12 40 62	7 Allée des Sciences Appliquées, 31400 Toulouse Driving license - Own vehicle	linkedin.com/in/mamadou-maladho-barry-9132b4195
--	--	---

Skills & Languages

Procurement & Project Management	Technical	Languages
Supplier sourcing Comparative offer analysis Supplier negotiation Supplier performance monitoring - QCD Supplier alert and risk monitoring	Electronics, PCB & testing STM32, FPGA, KiCad MATLAB, LTSpice Python, C, C++	French - native English - B2, TOEIC certified

Professional Experience

OCTOBER 2026 TO SEPTEMBER 2027 - OPMOBILITY - VENETTE

Junior Buyer

Sourcing of mechanical parts in an international industrial context: contribution to RFQ/RFI processes, comparative analysis of offers, preparation of commercial and contractual negotiations, and supplier performance monitoring - quality, cost, lead time, service - with Engineering, Quality, Supply Chain and Program teams to secure project deliverables



Key achievement: Tracking of savings, service level and supply continuity for the assigned scope

SEPTEMBER 2026 - MEIA INSA TOULOUSE, FRANCE - 12 MONTHS

Business Engineer - Export Mission

Drive international market expansion for client companies by conducting market research and deploying targeted export growth strategies



Key achievement: Prospecting and business trips abroad to support clients' export growth

OCTOBER 2025 TO OCTOBER 2026 - OPMOBILITY - VENETTE

Hardware Design Engineer

Study of electrochemical impedance spectroscopy - EIS - principles for Li-ion cells, design of a complete test setup - hardware, software, safety - and integration of BMS systems from various suppliers - HW, SW, CAN



Key achievement: EIS test plan and advanced data analysis - Nyquist, Bode, ECM models - summarized in a technical report

JUNE 2025 TO SEPTEMBER 2025 - INSTITUT ÉLECTRONIQUE ET SYSTÈME - MONTPELLIER

Electronics Engineer - Photo-Acoustic Detection

Integration of electronic boards for regulation, power supply and laser control, signal acquisition via Red Pitaya and STM32 programming for system control



Key achievement: Contribution to the miniaturization of the complete system for a laboratory application

SEPTEMBER 2024 TO JANUARY 2025 - INSA TOULOUSE

Project - Design and Realization of an Electronic Board - PCB

Electrical schematic in KiCad, component selection and placement, PCB generation and manual soldering



Key achievement: Development of test code in KiCad to validate the circuit's operation

Education

2026 - 2027, INSA TOULOUSE

Business Engineer

Specialized Master's in Industrial Business Engineering

International business engineering, procurement, negotiation, industrial project management, export mission

2023 - 2026, INSA TOULOUSE

Electronics Engineer

Engineering Degree in Electronics and Automation

Electronics, automation, embedded systems, FPGA, programming, signal processing

Associate Degree in Electronics, Electrotechnics and Automation 2021 - 2023, UNIVERSITÉ DE MONTPELLIER

Associate Degree in Physics 2019 - 2021, UNIVERSITÉ CHOUAIB DOUKKALI, EL JADIDA, MOROCCO

High School Diploma 2018 - 2019, LYCÉE BILL CLINTON, CONAKRY, GUINEA

Activities

Football	Karting	Board games
Running	Travel	Reading & intellectual curiosity
Combat sports	Cooking	Knowledge sharing