



ENG. ILDO ASSANE MOMADE

Electronic Engineer & Telecommunications, Automation & ICT Specialist
Master's Candidate in Information and Communication Engineering (HUST)

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Current Location: Wuhan, Hubei Province, China (HUST Campus) | Nationality: Mozambican
ID No: 030101399948C | Languages: Portuguese (Fluent), English (Fluent), French (Fluent)

PROFESSIONAL PROFILE SUMMARY

Electronic Engineer and Master's Candidate in Information and Communication Engineering at Huazhong University of Science and Technology (HUST, China). Specialist in telecommunications network design, planning, and management, Radio Frequency (RF) systems, Base Transceiver Station (BTS) operation and maintenance, access control automation (RFID systems), and industrial/residential electrical projects (single-phase and three-phase). Strong analytical skills, technical leadership, and professional rigor.

ACADEMIC BACKGROUND

Master's Degree in Information and Communication Engineering (MPA) — HUST (China)	Sep 2025 – Jul 2027 (Ongoing)
Advanced focus on information communication systems, wireless data networks, IoT, and cutting-edge telecommunications.	
Bachelor's Degree in Electronic Engineering — Marechal Samora Machel Academy (Nampula)	2019 – 2022
Graduated with technical honors. Thesis: 'Radio Frequency Identification (RFID) System for Vehicle Control and Monitoring'.	
Vocational Technical Education in Agriculture & Livestock — Ribauê Agrarian Institute	2012 – 2015
General Secondary Education — Nampula Secondary School	2009 – 2011

PROFESSIONAL EXPERIENCE & PROJECTS

Communication & Telecommunications Network Management Engineer	2023 – Present
- Planning, dimensioning, and operational management of mobile communication networks and data infrastructure. - Operation, diagnostics, and technical maintenance of Base Transceiver Stations (BTS), antennas, and RF systems. - Implementation and integration of automated RFID access control systems.	
Researcher & Presenter – 1st Science and Technology Fair	2020
Project: 'Photovoltaic Energy as a Solution for Public Grid Electricity Restrictions' (solar panels, inverters, and battery storage).	
Technical Intern – Aeroportos de Moçambique (Mozambique Airports)	2022
Electronics & Telecommunications Dept: maintenance and calibration of aeronautical communication equipment and data systems.	

TECHNICAL SKILLS MATRIX

Precision Electronics:	Analysis, assembly, and interpretation of electronic circuits, laboratory instrumentation, technical feasibility studies, and advanced troubleshooting.
Telecommunications & RF:	Radio Frequency systems, antenna design, mobile cellular networks, BTS station operation, data networks, and SCADA monitoring.
Automation & Electrical:	Single-phase and three-phase electrical projects, residential/commercial maintenance, RFID integration, and gate automation.
ICT & Data Networks:	Design and configuration of computer networks, IT systems management, databases (MySQL), and microcontrollers (Arduino, C/C++).

ORGANIZATIONAL COMPETENCIES & LANGUAGES

- Communication & Presentation:** Excellent oral and written expression, pedagogical skills for training technical teams.
- Leadership & Organization:** High sense of responsibility, professional rigor, strategic planning, and project management.
- Problem Solving:** Strong analytical reasoning, technical research, and rapid adaptability to change.
- Languages:** Portuguese (Fluent), English (Fluent), French (Fluent), Macua (Intermediate).

Professional Curriculum Vitae (English) — Eng. Ildo Assane Momade — Wuhan, Hubei, China (HUST).