



Maryame Ihya

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● ABOUT ME

Committed and detail-oriented Environmental Engineer with expertise in industrial energy efficiency and environmental management. Strong background in environmental monitoring, waste management with a focus on driving positive environmental impact and supporting sustainable development projects across various sectors.

● WORK EXPERIENCE

 **ARCHIRODON GROUP N.V. – LAÂYOUNE, MOROCCO**

ENVIRONMENTAL ENGINEER – 01/09/2024 – CURRENT

- Improving and maintaining project construction environmental management plans, spill response, and waste management plans.
- Management of web-based tool for Monitoring and Reporting (HSE observations, incidents, inspections, NCRs, near misses)
- Environmental monitoring including, Noise monitoring, Ambient air quality and seawater quality.
- Delivery of environmental training awareness. Investigating environmental incidents, maintaining records, and ensuring proper action plan implementation.
- Initiating eco-responsible campaigns and eco-friendly actions.
- Producing and delivering environmental reports to clients and corporate offices.
- Participation in internal environmental audits. Monitoring, implementation and review of ISO 14001 requirements.

 **JESA.S.A – CASABLANCA, MOROCCO**

END OF STUDY INTERNSHIP – 12/02/2024 – 15/06/2024

- ✓ Conduct a thorough analysis of the current energy performance of a sulfuric acid plant.
- ✓ Identify key areas where energy consumption can be reduced and efficiency can be improved.
- ✓ Conception of the IEEtool to analyze energy consumption, improve energy efficiency, and reduce the carbon footprint of the plant.
- ✓ Gain proficiency in energy efficiency analysis software, such as RETScreen, to enhance the quality and accuracy of energy audits and evaluations.
- ✓ Research and evaluate the latest technologies and best available techniques (BAT) for improving energy efficiency in industrial processes.
- ✓ Assess the environmental impact of these technologies and techniques, focusing on their potential to reduce emissions and other negative environmental effects.
- ✓ Provide financial justification for the implementation of energy-saving measures and technologies.

 **S.M.E.T – CASABLANCA, MOROCCO**

ENGINEERING INTERNSHIP – 01/06/2023 – 01/08/2023

- ✓ Geometric conception of the road network based on the ground plan.
- ✓ Compliance with specified criteria and adapt the design to the topography of the land in order to ensure natural flow of water towards the outlet.
- ✓ establishment of the routes of the different project routes and development of longitudinal and transverse profiles.
- ✓ Conception of a separation system to convey rainwater to various points evacuation.
- ✓ Sizing of rainwater and wastewater

 **ALTO-EKO – CASABLANCA, MOROCCO**



OBSERVATION INTERNSHIP – 01/07/2022 – 01/08/2022

✓ Building site visits to ensure implementation of good environmental practices, visit reports, design Builder software.

● **EDUCATION AND TRAINING**

05/10/2021 – 16/07/2024 Casablanca, Morocco

URBAN AND ENVIRONMENTAL ENGINEERING Ecole Hassania des Travaux Publics

Website <https://www.ehtp.ac.ma/> | Level in EQF EQF level 6

09/09/2019 – 14/05/2021 kenitra, Morocco

PHYSICS AND INDUSTRIAL SCIENCES CPGE Mohammed VI

● **HONOURS AND AWARDS**

17/07/2025

Oil Pollution Preparedness, Response and Co-operation – International Maritime Organization

Fate and behavior of oil in the marine and coastal environment · Impacts of Oil Spills · International legislation · Oil Spill Preparedness

14/06/2025

Construction General Permit (CGP) Site Inspector Training Course – US Environmental Protection Agency (EPA)

Erosion and Sediment Controls · Pollution Prevention Controls · Conducting CGP Site Inspections

01/05/2025

Environmental Management Essentials – SHEilds Ltd

08/04/2025

Climate Change: Carbon Capture and Storage – The University of Edinburgh

14/03/2025

Environmental Impact Assessment Essentials – SHEilds Ltd

16/03/2025

GHG Accounting 101 – The World Bank Group

09/02/2025

CSRD-fundamentals-level-1 – CSRD Institute

16/03/2025

Modelling and measuring the Energy Transition – Politecnico di Milano

01/02/2024

African Urban Economic Development in the Context of Climate Change – UM6P - Mohammed VI Polytechnic University

05/02/2025

Transportation, Sustainable Buildings, Green Construction – The Johns Hopkins University

03/05/2019

SOLIYA Connect Program – SOLIYA

● **PROJECTS**

01/09/2024 – CURRENT

Turnkey Project for the Construction of a New Phosphate Port



Responsible for developing and implementing environmental management plans, ensuring compliance with legal and contractual requirements, and overseeing environmental monitoring programs for air, noise, and water quality. Manage incident investigations, audits, and reporting while maintaining compliance with ISO 14001 & ISO 45001 standards. Coordinate with accredited labs and service providers for environmental analysis and improvements.

01/03/2025 – 01/06/2025

AMAALA Staff Village Zone 4 Red Sea Global Project

Exercise for preparation of environmental requirements for tender documents in accordance with the ESIA and construction contract.

01/04/2023 – 01/05/2023

Drinking water supply of a subdivision with EPANET

- ✓ Sizing of the drinking water network.
- ✓ Study and conception of the project's drinking water supply network.
- ✓ Network simulation on EPANET.
- ✓ Analysis of the results.

01/03/2023 – 01/04/2023

Groundwater modeling by PMwin

- ✓ Discretization and formulation of the management problem.
- ✓ Establishment of the final model of the aquifer and the flows studied: permanent flow and transient flow.

01/03/2023 – 01/04/2023

Sizing of a wastewater treatment plant

- ✓ Hydraulic sizing of the screen.
- ✓ Sizing of the sand trap.
- ✓ Sizing of decanters.
- ✓ Design of the biological pond.
- ✓ Sizing of the clarifier.

01/12/2022 – 01/01/2023

Delimitation and characterization of the Bouregreg basin in relation to the Ag.Ezziar outlet using ArcGIS

- ✓ Watershed delimitation by ArcGIS.
- ✓ Calculation of shape characteristics and relief characteristics.

01/12/2022 – 01/01/2023

Hydrological and hydraulic calculations to prepare decisive data for the wedging of an aquatic bridge using Hyfran

- ✓ Statistical processing.
- ✓ Graphical adjustments using Hyfran-Plus.
- ✓ Calculation of the project flow rate at the bridge crossing site, for the ten-year and hundred-year return periods.
- ✓ Calculations relating to the hydraulic study.

01/12/2022 – 01/01/2023

Simulation with HEC HMS For the Loup sub-basin and for the Fourchue sub-basin

- ✓ Insertion of precipitation data.
- ✓ Definition of the meteorological model.
- ✓ Setting simulation control parameters.
- ✓ Visualization of results.
- ✓ sensitivity analysis by the variation of the different parameters.

VOLUNTEERING

14/10/2021 – 14/04/2023 casablanca

Olympiades EHTP



Organization of olympic events.

08/06/2022 – 18/09/2023 casablanca

Chief of Development Cell

- ✓ Creation of scientific models.
- ✓ Visits to public schools to explain the models in order to popularize and simplify science.
- ✓ Travel to marginalized mountainous regions and explain scientific concepts to children in a simple way.

LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FRENCH	C1	C1	C1	C1	C1
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Microsoft Word | Problem solving | Microsoft Office | Organization | team spirit | RETscreen analysis | AutoCAD | Covadis | Hyfran | Processing Modflow | MSPProject | HEC HMS | EPANET | EDGE buildings | Microsoft Excel | Microsoft Powerpoint | Communication | Leadership

DRIVING LICENCE

Driving Licence: B

RECOMMENDATIONS

Andrew John Bailey Project HSE Manager

I had the pleasure of working with Maryame as an Environmental Engineer on the construction of a new phosphate port. I highly recommend her as she is an enthusiastic professional, a true environmental champion, and someone who demonstrates strong dedication and commitment to advancing in the environmental field.

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Agamemnon Antoniou HSE engineer

I had the pleasure to work with Maryame for the past year. Since our first HSE induction, I noticed that she was really smart, keen on learning and motivated. Her remarks and analytical thinking made her a joy to work with. Her excellent English skills are an invaluable asset to international teams and Projects.