HAMZA ABOUBAIGI

WASH PROJECT MANAGER / PROGRAMME COORDINATOR | WATER, SANITATION & ENVIRONMENTAL ENGINEERING

Marrakech, Morocco | +212 608 363 444 | hamza.aboubaigi@gmail.com | Arabic (native) · French (advanced) · English (advanced)

PROFILE

WASH project manager and environmental engineer with 6+ years across emergency and development programming — water supply, sanitation, wastewater, solid waste, and nature-based treatment systems. Designed BoQs for 100+ WASH microprojects with IFRC, engineered a biogas digester and wastewater system for an abattoir, and built nature-based treatment systems earlier in his engineering career. Field-trained on IFRC EmWat 4000 and Veolia AquaForce 2000, with experience across conflict, post-conflict, and post-earthquake contexts. Native Arabic, advanced French and English.

CORE COMPETENCIES

Emergency WASH & Water Treatment
IFRC EmWat 4000, Veolia AquaForce 2000, WASH emergency kits and distribution, conflict/post-conflict and disaster response.

WASH Engineering & Design
Water supply (AEP), wastewater treatment (nature-based, plant-based & biogas), BoQs, technical specifications.

Programme & Partner Coordination
Cross-branch WASH coordination, local authorities, NGOs, contractors, water-sector companies.

MEAL, Proposals & Donor Reporting
Monitoring tools, technical/narrative proposal development, donor reporting, EU-funded programme compliance.

Capacity Development
Design and delivery of technical training for staff, partners, and communities; recruitment and training of WASH staff and volunteers.

Environmental & Municipal WASH
Municipal sanitation planning, solid waste, biological/plant-based treatment systems.

PROFESSIONAL EXPERIENCE

Senior WASH Officer — 2025 – Sep 2026

International Federation of Red Cross and Red Crescent Societies | Morocco

- Designed and produced BoQs for 100+ rural water and sanitation microprojects, translating field assessments into implementable, costed technical solutions across earthquake-affected and conflict/post-conflict-affected communities.
- Engineered a wastewater treatment system for a multi-unit public hammam facility, sizing and specifying treatment components for a high-use public-facility discharge context.
- Led field distribution of WASH emergency kits and applied hands-on emergency water treatment using IFRC EmWat 4000 and Veolia AquaForce 2000 units.
- Supported the Moroccan Red Crescent National Society's WASH team, participating in recruitment and training of staff and volunteers on WASH standards and technical thematics.
- Coordinated WASH programming across branches, aligning WASH Officers on technical standards, priorities, and field response.
- Extended programme reach beyond core WASH by coordinating a solid-waste management project and a menstrual hygiene management project alongside water and sanitation activities.
- Directed technical quality control on rehabilitation sites by reviewing contractor and consultancy deliverables against specifications, and coordinated with communes, authorities, and communities to secure access and continuity of works.

Project Manager — 2023 – 2025

EU-funded environmental and community programme | Morocco

- Delivered EU-funded environmental and community projects on schedule and within budget, from planning through implementation, monitoring, and donor reporting.
- Contributed to technical and narrative proposal development for EU-funded programming, supporting new project design and donor engagement.
- Scaled technical and organizational capacity across 15+ local NGOs working on water, watershed management, and ecosystem protection by designing and running standardized workplans and capacity-building activities.
- Improved donor-reporting consistency by consolidating monitoring data from 15+ partner NGOs into unified narrative and financial reporting tools.
- Reached rural communities through water-quality, conservation, and ecosystem-health awareness campaigns designed and led directly.

Technical Project Manager — 2022 – 2023

Municipal sanitation & environmental programme | Morocco

- Designed a 30 m^3 biogas digester unit converting abattoir bio-waste into usable biogas through anaerobic digestion, from sizing through technical specification.
- Designed the associated wastewater treatment system feeding the digester, integrating pre-treatment with influent requirements.
- Monitored and diagnosed post-commissioning digester performance — tracking loading rate, retention time, and gas yield — resolving issues to keep output on target.
- Assessed treatment efficiency of phyto-purification systems through field measurements, feeding results directly into municipal technical documentation.
- Built a five-year municipal environmental and sanitation plan through multi-stakeholder coordination across municipal technical services, civil society, and local actors — covering landfill development, new solid-waste management equipment, and capacity-building for municipal personnel.
- Ran field-based coordination sessions with civil-society actors and capacity-building activities with municipal technical staff, translating the plan into delivered projects on the ground.

ADDITIONAL ENGINEERING & FIELD EXPERIENCE

Environmental Engineer **2019 – 2020**

Marrakech, Morocco

- Designed and implemented a plant-based (phyto-purification) wastewater treatment system for a private nature-based site, producing operational plans that improved wastewater reuse and irrigation efficiency.

Environmental Engineer Intern **Apr – Jul 2019**

Essaouira, Morocco

- Supported engineering optimization of a plant-based wastewater treatment system through field data collection and analysis, contributing to a community environmental cooperative.

Environmental Consultant **2019 – 2023**

- Informed site-selection and prioritization decisions on water-reuse and resilience projects using geospatial and statistical analysis, delivered as technical briefs, maps, and dashboards for client decision-making.

Community Development Volunteer / Project Coordinator **2018 – 2019**

- Delivered a community aqueduct project — needs assessment through construction follow-up and locally managed maintenance planning — in direct coordination with rural communities and local leaders in the High Atlas.

EDUCATION & PROFESSIONAL DEVELOPMENT

MSc – Ecology and Management of Wetland Ecosystems, Cadi Ayyad University, Morocco (2018) — water resources, environmental engineering & ecosystem management focus; thesis: geostatistical assessment of surface- and groundwater quality, Draa Valley

BSc – Plant Biotechnology, Cadi Ayyad University, Morocco (2016)

Professional development: Project Management (Google/IFRC) · MEAL (IFRC) · Data Analytics (Google) · WASH in Emergencies (IFRC) · WASH in Nutrition & Health (IFRC) · Emergency water treatment: IFRC EmWat 4000, Veolia AquaForce 2000 (field-applied)

TECHNICAL COMPETENCIES

- Emergency water treatment units: IFRC EmWat 4000, Veolia AquaForce 2000
- WASH emergency kit distribution and field response
- WASH engineering & design: water supply, sanitation, wastewater, biogas, nature-based/plant-based treatment
- BoQs & technical specifications
- Conflict, post-conflict & disaster-response programming
- MEAL & donor reporting (EU-funded programming)
- GIS (QGIS/ArcGIS); field data collection & analysis (Excel, SQL)
- Capacity-building & technical training design
- Staff and volunteer recruitment & training on WASH standards
- Proposal development (technical & narrative) & donor engagement
- Partnership-building with technical and private-sector partners

LANGUAGES & AVAILABILITY

Arabic (native) | French (advanced) | English (advanced)

Available for international field missions across emergency and development contexts, including conflict-affected and post-crisis settings. References available upon request.