



PROJECT – WATER FOR ALL IN NKOLESSONO - CAMEROON



Child drawing water to drink from a small river in the village

Project File: **Mini Drinking Water Supply in the Village of Sa'a, Cameroon**

Project leader: AAHD CORP

Place: Nkolessono Village, Centre Region, Cameroon

Date: February 11, 2025

1. Presentation of the Project

Project Title: WATER FOR ALL IN NKOLESSONO

Project Leader: AAHD CORP (American Association for Humanitarian Development)

Place: Nkolessono Village, Centre Region, Cameroon

Start Date: June 1st, 2025,

Project Duration: 20 days



2. Background and Justification

The village of **Nkolessono**, located 73 km from Yaoundé, has a population of approximately 645. Access to drinking water is limited, with only 43.5% of the rural population having access to a potable water source.

Residents rely on unprotected sources, leading to waterborne diseases such as typhoid and dysentery.

Problematic:

- Lack of centralized drinking water system.
- Use of unprotected water sources, causing disease.
- Increased workload for women and children.

Justification:

This project addresses an urgent need for access to clean water, reducing waterborne diseases, improving living conditions and freeing up time for educational and economic activities.

3. Project Objectives

General Objective:

Provide sustainable access to drinking water to the residents of Nkolessono.

Specific Objectives:

1. Drill a borehole equipped with a solar pump and a distribution network.
 2. Raise awareness among the population about good hygiene and water management practices.
 3. Promote the use of renewable energy (solar).
 4. Reduce inequalities in access to water through strategic standpipes.
 5. Establish a community management committee to ensure the sustainability of the project.
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4. Technical Description of the Project Selected Solution:

Mini drinking water supply (AEP) with solar pumping.

System Components:

1. **Drilling:** Construction of a borehole equipped with a submersible solar pump.
 2. **Drinking Water Treatment Unit:** Reverse osmosis water treatment.
 3. **Storage Tank:** 10000L tank.
 4. **Distribution Network:** Installation of fire hydrants and private connections.
 5. **Ability:** The system will provide approximately 20 liters of water per person per day for 645 residents.
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5. Beneficiaries

Direct Beneficiaries:

- 645 inhabitants of Nkolessono (45% children, 24% men, 21% women, 10% elderly people).

Indirect Beneficiaries:

- Around 100 villagers from neighboring towns in case of specific needs.
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6. Estimated budget

Description	Amount (USD)
Drilling	\$ 1 980,45
Drilling equipment	\$ 1 489,20
Construction of 5m water tower	\$ 3 217,89
Solar pump and pumping device	\$ 6 297,95
Training and awareness-raising	\$ 792,20
Total	13 777,69

7. Expected Results

- **Improvement of sanitary conditions:** Reduction of waterborne diseases.
 - **Strengthening local capacities:** Establishment of a community management committee.
 - **Time saving for women and children:** Redirection of time towards education and economic activities.
 - **Reducing environmental impact:** Use of solar energy.
 - **Improving hygiene:** Raising awareness of good hygiene practices.
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8. Challenges and Risks

- **Technical Challenges:** Difficulties related to drilling (soil quality, depth of the water table).
 - **Sustainability:** Risk of equipment failure without proper maintenance.
 - **Community Participation:** Need to involve residents to ensure ownership of the project.
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9. Conclusion

This project aims to transform the lives of the residents of **Nkolessono** by providing them with sustainable access to clean drinking water. By combining modern infrastructure, renewable energy, and strong community involvement, this project will have a lasting impact on health, education, and local economic development.



10. Contact

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Join us to bring water, hope, and a better future to Nkolessono!

Your support can make a difference! By contributing to this project, you are offering:

- **Drinking water** to 645 people.
- **Better health**, thanks to the reduction of waterborne diseases.
- **A better future** for women and children, who will be able to devote themselves to education and economic activities.

Donate today and change lives!