The Problem
The Central African Republic is among one of the poorest countries in the world and lacks reliable access to clean water. As you can imagine, clean water is a vital stepping stone to breaking the cycle of extreme poverty. Our goal is to end water poverty in this beautiful country, for good.

The Solution
The water crisis is solvable, and we have begun to implement a sustainable, economical solution: solar-powered pump systems. These systems have many benefits:

- **Efficiency**: They are more efficient than handpumps because they provide multiple water points where the community has access to water. This reduces queuing times, as well as distance between homes and water points.
- **Sustainability**: Over a 10-year lifespan, solar-powered pump systems require little capital maintenance.
- **Cost**: These systems are more cost effective for larger communities than handpumps, even with a higher capital cost.
- **Scalability**: Solar-powered pumps are a good solution for schools, hospitals, clinics or any community with at least 800 users. It is also possible to expand existing systems by adding multiple tap stands.

How Do They Work?

1. Solar electric panels convert sunlight into electricity.
2. The electricity control box "conditions" the electricity for the pump motor.
3. Electricity drives the motor and the pump.
4. Water is pumped into the tank.
5. The tank supplies water to the community.

Clean water freely flows at this solar-powered tap stand.
Handpumps | Solar-powered pumps
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Cost per project | $18,000 | $60,000
Average number of water users | 250 | 1,600
Average cost per person | $72 | $37.50

Through your investment in the solar-powered pump systems, communities in the Central African Republic will have sustainable water solutions.

Nicole, from Gamboula, stated, “With the new system, we will just turn it on and the water will come. We won’t have to find children to pump the water. We are very eager for this improvement.” Your generosity will help improve the health, education and economy of families in the Central African Republic. You can make a lasting difference in communities in the Central African Republic for generations to come.