

Namene



Solar Lights Distribution Project in Zambia

Carbon credits



certified by Gold Standard

Harnessing solar energy to transform lives

Our project delivers solar lights to Zambian families living without electricity. This gives them truly affordable, clean lighting for the first time and has life-changing impacts. Currently, these households rely on dim and sooty kerosene lamps for lighting. Our project replaces these polluting lamps with ultra-affordable solar lights. This exchange alleviates poverty, promotes education, and safeguards the health of families. Crucially, this substitution decreases dependency on fossil fuels, eliminating ongoing fuel costs for low-income households and helping to address climate change.

Our lights are distributed to rural households across four provinces in Zambia, as shown below. In Zambia, 90% of the rural population live below the international extreme poverty line. These families live on less than \$1.25 per day. One of the many implications of this reality is energy poverty. With no access to electricity, families resort to using outdated kerosene lamps or paraffin candles to light their homes. These are low-quality and dangerous sources of light. Fossil fuel lamps emit toxic fumes that cause respiratory illnesses, create fire risks, and contribute to climate change.

Combining quality with affordability

Our portable solar lights are built to last and have won awards for their quality and accessibility. Thanks to the issuance of Gold Standard certified Verified Emissions Reductions or VERs, our lights are priced with a 60 to 70% discount on the retail value – making them affordable to all.

Our lights have gained a 90% market share in the pico lights market¹ in Namibia, Zambia and Zimbabwe, where our first carbon projects have been rolled out – showing that trust in the durability of the product, as well as affordability

made possible through our carbon subsidy model, are key to unlocking clean technology for those who need it the most.

We have distributed over 600,000 lights in Zambia since 2021, and over one million in southern Africa in total.

As a vertically-integrated company, we are able to control quality at every stage of our carbon projects: from the design and production of our products to their distribution, monitoring and after-sales service. Through our model we are also incentivised to keep our lights functioning to secure their associated credit, and to earn the trust and loyalty of the families who buy our products. Through our discounted lights which replace expensive kerosene lamps and candles, they are able to save money to purchase further clean technology products.

Empowering every community

Our lights are delivered by our in-country teams, as well as last-mile distribution partners. They are sold through community networks and regional clusters, such as rural schools.

We design our products to last as long as possible, and provide maintenance support and tailored after-sales care to our buyers, including those living in the most remote locations. In doing so, we build long-term relationships with each of our customers based on trust and mutual benefits.

Our lamps are multifunctional and portable. They can be used indoors as desk lamps or hung on the wall. They can be turned into headtorches perfect to walking, cycling, or commuting. This project delivers a host of socio-economic benefits, with specific impacts measured against three UN Sustainable Development Goals.



Our Namene light has improved our life so much. I've seen improvements in my brother's education, and he has just graduated.

Pride Siamenenga, Namene customer and sales agent, Zambia

When the solar lights are on at night, it feels like a town, not a village. Now we no longer need to spend on expensive candles and kerosene.

Head Teacher at a rural school in Zinzazongwe, Zambia

We can tell which children did their homework the night before: those who cough or have red eyes from the kerosene fumes.

Teacher, Lourdes Pre-school in Mongu, Zambia

¹ 0 to 1.5w category for GOGLA affiliated products

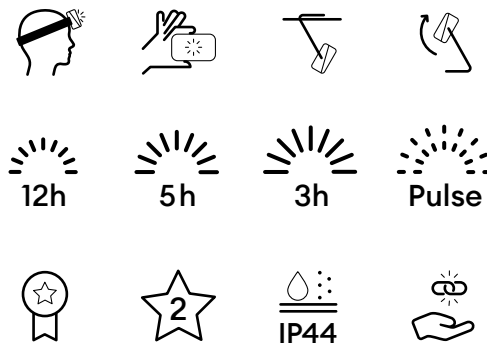
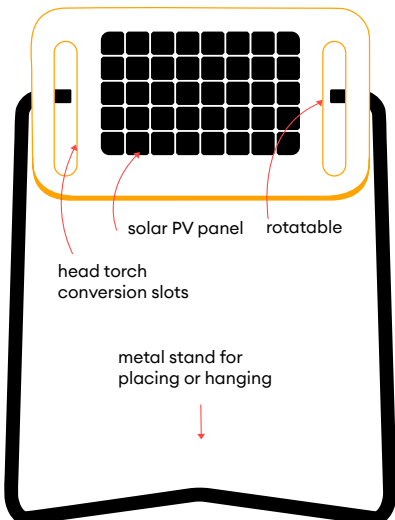
Project Details



Project owner	Namene
Carbon Standard	Gold Standard for the Global Goals
Project ID	GS 7002
Carbon methodology	AMS-III.A.R.v6 – Substituting fossil fuel-based lighting with LED/CFL lighting systems
Certification stage	GS Design Certified Issued 10,000 VERs so far
Development stage	Distribution of lights ongoing, finishing in Q4 2023. 500,000 lights distributed so far.
Technology	Renewable energy – solar lights
Project scale	Small scale. Distribution of up to 652,000 solar lights
Target beneficiaries	Rural households without access to electricity
Project duration	10 years
Crediting period	15/09/2020 – 15/09/2025
Average VERs per year	41,000 VERs

Our technology

Portable, reliable, high-quality solar lights



- Meets VeraSol IEC 62257-9-8 standard, CE, PVoC
- 2-year warranty
- Resists solid objects over 1.0 mm and water splashes from any direction



About Namene



Our purpose is to empower every community through clean technology.

Namene is a business that believes people and planet should come first. We provide affordable, highly reliable, everyday devices to those who need them the most – harnessing clean technology to transform lives and livelihoods.

Without ever compromising on quality, we make sure our products are always affordable and accessible to all by using their carbon-saving value to subsidise prices through the sale of high-integrity carbon credits, and enabling our customers to buy what they need when they are able to.

Our ‘Buy As You Can’ approach offers a much needed alternative to traditional utilities packages, which are most often not affordable to low-income families, or when they are, commit households to purchasing bundles of overspecified products through expensive, long-term loans. By offering single, modular and affordable products, we enable our customers to free up income to buy other clean devices when they need and can afford them.

All devices distributed by Namene are designed to help people and families thrive, wherever they live, by meeting their daily utility needs while eliminating sources of combustion – starting with eradicating harmful kerosene lamps.

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