

Energy Bridge Switzerland Cameroon.

Connecting continents. Powering Progress.



Solar and storage solutions selected by
African Solar Generation and subasol.



**AFRICAN
SOLAR
GENERATION**



 **subasol**

Partnership for a sustainable future.

African Solar Generation (ASG), a Swiss-Cameroonian company based in Yaoundé, is working closely with the Swiss consortium *subasol* to transform access to solar energy in Cameroon and across the African continent. *subasol* provides battery storage systems and international know-how, while ASG brings proven local expertise in design, installation, and maintenance, ensuring reliability and long-term performance. Together, they deliver sustainable solar solutions with a strong social, economic, and environmental impact, facilitating access to clean energy and accelerating the energy transition in Africa.

Facts and figures.

Every hour, Cameroon receives more solar energy than the entire country could consume in a year. And yet, millions of people do not have access to a stable power supply.

- According to the World Bank, **75%** of the rural population has no access to electricity.
- Even in urban areas, the population is regularly victims of power cuts – around **70 to 80 days a year**.
- Heavy reliance on diesel generators, which are expensive and harmful to health and the environment – a generator for a medium-sized residential complex emits around **11 kg of CO₂** per hour, as much CO₂ as a **car traveling 80 km**.
- Growing demand for solar energy and sustainable solutions. According to Eneo's CEO, Amine Homan Ludiye, solar capacity in Cameroon's energy mix is expected to reach **250 MW by 2030**.



What we bring to the table.

Solar energy for essential infrastructure.

- Solar power for public institutions (e.g., health centers, schools, cultural centers, etc.), commercial and industrial customers, and NGOs.
- Standalone or hybrid solar and energy storage systems (solar + grid and/or generator tied) for partially isolated or completely isolated areas.
- Strong focus on after-sales support and a guarantee of on-site maintenance and repairs.

Training and capacity building.

- Training of local technicians in installation and maintenance.
- Technical studies and consulting.
- Collaboration with municipalities and international partners in innovative pilot projects.
- Know-how transfer and local value creation.

Overview of use cases.

Sector	🔑 Key needs	💡 Value proposition
 Commercial & Industrial (C&I)	- Stable energy, no outages - Reduction in diesel and costs - Achievement of ESG/CSR objectives - Service contract and guaranteed ROI	🇨🇭 Swiss quality, local expertise. Reliable hybrid solar solutions that secure production, reduce costs, and support your sustainability commitments.
 Public & Institutional	- Reliable power supply for public buildings - Reduced energy costs - Visible impact for citizens - Transparent and sustainable implementation	🌍 Designed for Cameroon – powered by Swiss reliability. Sustainable, robust, and low-maintenance systems for essential services.
 NGOs & Development Partners	- Reliable local partnership - Transparency & compliance - Measurable social and environmental impact	🌟 Your local partner with international standards. Transparent processes, verifiable reports, and measurable results – Swiss Standards, African Expertise.
 Residential Premium	- Energy independence - High-end quality & design - Comfort and prestige - Full service & maintenance	💫 Comfort without compromise. Swiss precision solar energy – elegant, reliable, and sustainable for your home.
 Cultural & Educational	- Continuous energy for learning - Economical & simple solutions - A visible contribution to sustainability	🎭 Solar energy that inspires. Clean, reliable energy for education, culture, and community.

Premium Residential: Comfort without compromise.

Swiss quality, local expertise.

We provide hybrid solar solutions designed to deliver sustainable energy independence.

A solar experience that combines comfort, elegance and local support.

Residential Systems	Solar system power (25-year warranty)	Inverter power (5-year manufacturer's warranty)	Battery capacity (5-years depending on manufacturer)
System 1 – Essentials Ideal for flats/small houses	4'000 Wp	Mono 5 kW	10 kWh (~3h back-up)
System 2 – Comfort Ideal for a family home	6'000 Wp	Mono 5 kW	20 kWh (~6h back-up)
System 3 – Prestige Ideal for a luxury villa	9'500 Wp	Tri 12 kW	30 kWh (~4.30h back-up)
System 4 – Excellence Ideal for large villas or offices	11'500 Wp	Tri 12 kW	40 kWh (~6h back-up)

* The price varies depending on the components chosen, the installation location and circumstances

Biomedical institution: Pasteur Center.

Yaoundé, Central Region, 2021.

Problem.

Due to regular power cuts, the Pasteur Center was forced to use polluting and costly generators in order to continue its biomedical activities reliably.

Solution provided.

Installation of a **200 kWp** hybrid photovoltaic system on the roof of the Pasteur Center, with integration of an **196 kWh** energy storage system.

Impact.

- Reduction in CO₂ emissions: **≈ 255 t CO₂/year.**
- Reduction in energy costs.
- Biomedical activities continue without interruption.



Training: Use of the WATA-Standard solar kit.

Yaoundé, Central Region, 2022.

Problem.

In many partially or completely isolated health centers, access to drinking water is not guaranteed. This contributes to poor hygiene conditions in the sanitary facilities of health centers.

Solution provided.

The WATA-Standard solar kit, which purifies water and "produces" drinking water through the electrical production of chlorine, and training on how to use the kit. The electricity needed to operate the kit is provided by solar energy.

Impact.

- Improved hygiene and reduction of waterborne diseases (malaria, river blindness) in the healthcare sector.
- Better sanitary and learning conditions in health centers.



Humanitarian organization: *Air-water* machine for Aqua Vera.

Maka, West, 2024.

Problem.

The village of Maka illustrates the risks incurred when communities do not have reliable and safe access to drinking water. In collaboration with local partners, the NGO Aqua Vera identified the need to install *air-water* machines in the rural area. As this is an isolated community, not connected to the national electricity grid, a reliable *off-grid* power supply solution is needed for these machines.

Solution provided.

Installation of a **25.8 kWp** autonomous *off-grid* photovoltaic system on the ground, with integration of a **85.2 kWh** energy storage system.

Indirect impact.

- Improved hygiene and reduction in waterborne diseases (malaria, river blindness).
- Better sanitary conditions and learning environments in schools.
- Reduced domestic workload thanks to easier access to drinking water.
- Strengthened community resilience to climate change.



Public institution: *Nouvelle Destinée* orphanage.

Douala, Littoral, 2025.

Problem.

Frequent power cuts disrupted the children's lives, while the old hybrid solar system was inefficient and did not provide a reliable power supply. These conditions made it difficult to guarantee a modern study and leisure environment adapted to the children's current needs.

Solution provided.

Installation of a **9.2 kWp** hybrid photovoltaic system on the roof of the orphanage, with integration of a **9.6 kWh** energy storage system for evening operation.

Impact.

- Reduction in CO₂ emissions: **≈ 12 t CO₂/year.**
- Significant reduction in energy costs.
- Better study conditions and quality of life for 62 orphans thanks to reliable electricity.

Thanks to the African Solar Generation installation, our children can engage in various activities, such as learning and playing, even in the evening. The installation is very responsive and generates energy even when there is little sunlight, as is often the case during the rainy season. This energy can be used when needed thanks to the integrated battery storage system.

Orphanage Director



Residential project: Hybrid photovoltaic system.

Douala, Littoral, 2025.

Problem.

The owner, who suffered from frequent power cuts in urban areas, relied on an expensive generator to meet his daily needs. Keen to improve his situation, he wanted to electrify the basic elements of his house in Douala.

Solution provided.

Installation of a **6 kWp** hybrid photovoltaic system on the roof of a residential house, with integration of a **10kWh** energy storage system.

Impact.

- Reduction in CO₂ emissions: **≈ 7.5 t CO₂/year**.
- Reduction in energy costs.
- Increased protection of loads against voltage fluctuations.



Cultural institution: Goethe Institute.

Yaoundé, Center, 2026.

Problem.

The Goethe Institute in Yaoundé was heavily dependent on expensive and polluting generators. The decision to install a photovoltaic system is part of the Goethe Institute's ambition to reduce its environmental impact, promote green innovation and actively contribute to the energy transition.

Solution provided.

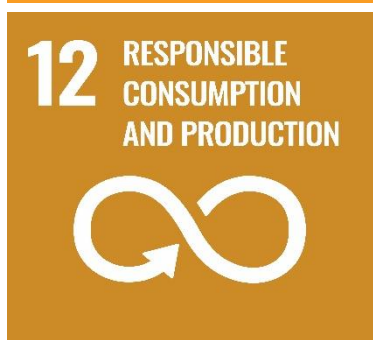
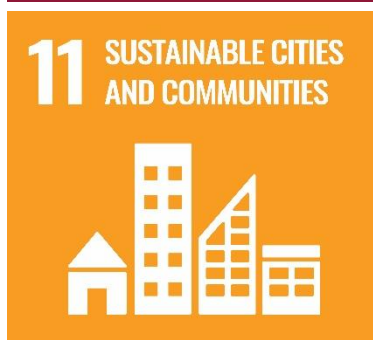
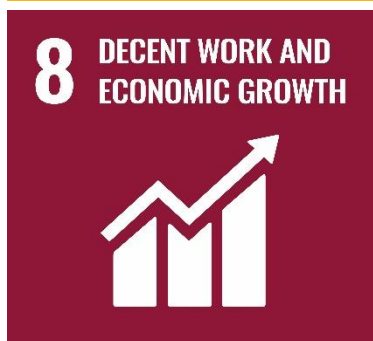
Installation of a **64 kWp** hybrid photovoltaic system on the roof of the institute, with integration of an energy storage system.

Impact.

- Reduction in CO₂ emissions: **≈ 75 t CO₂/year.**
- Reduction in electricity costs.
- **Pioneering project: one of the first commercial installations of this technology in Africa (102 kWh high-voltage sodium-ion battery (NaFePO₄)).**



Our impact and contribution to the SDGs.



Creation and development of local and sustainable value

Reduction in CO₂ emissions and costs
Improved energy resilience
Energy independence and climate

Shaping the future. Together.

African Solar Generation and *subasol* are committed to sustainable energy supply in Africa. Every project we undertake contributes to local development, environmental protection, and improved economic prospects.

Join our mission: Let's develop sustainable energy together.

Contact us to discuss your solar project today!

Your African Solar Generation team.





Cameroon

Derrière Usine Bastos, Rue 1.771

BP 13455 Yaoundé

+237 699 99 48 89

office@asgeneration.com

www.asgeneration.com



Switzerland

Route du Covy 29

1754 Avry-sur-Matran



Switzerland

Werdenstrasse 70

9472 Grabs

contact@subasol.com

www.subasol.com