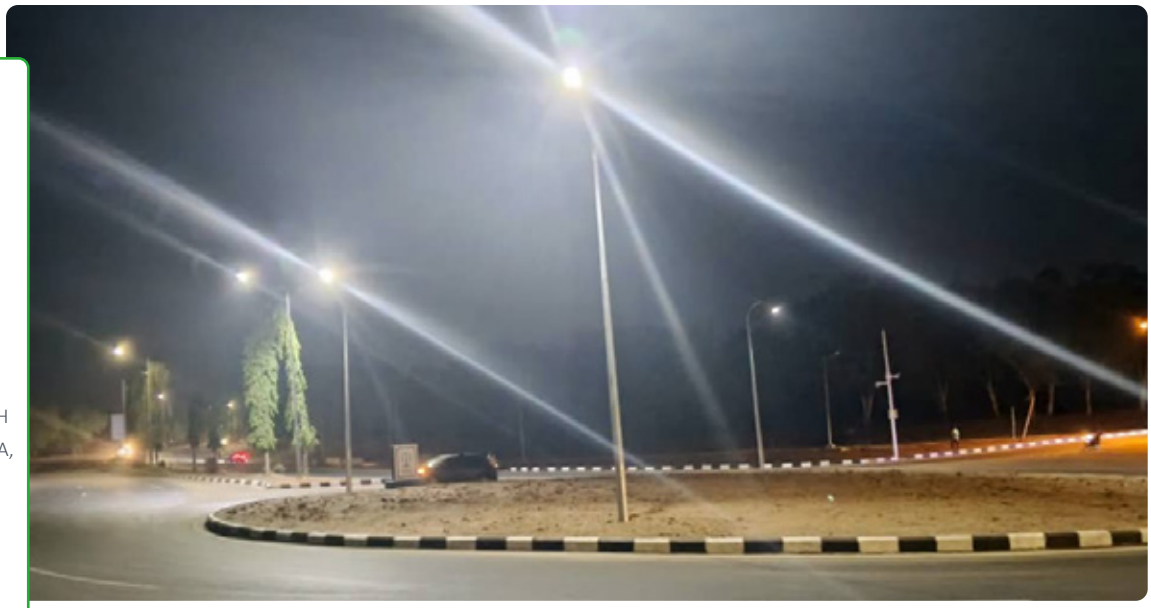
PROJECT EXPERIENCE : NIGERIA

SUNMASTER

Project Experience: Illuminating Abuja through Solar Innovation



Location
Abuja,Nigeria

Client
Akogate Ventures

Project Quantity
842 sets of Smartleaf

Products Used
SLD44-100W, Panel:100W flexible panel, Battery:1075WH Lithium battery, Controller:10A, light on+time intelligent control, Cables:complete set for the Wiring

Overview:

In 2025, Jinhua SunMaster Solar Co., Ltd., in partnership with Akogate Engineers, successfully transformed the landscape of Abuja, Nigeria's Federal Capital Territory. Through the installation of our advanced Smart Leaf solar streetlights, we significantly enhanced outdoor lighting, starting prominently at the bustling Airport roundabout.

Project Context and Challenges:

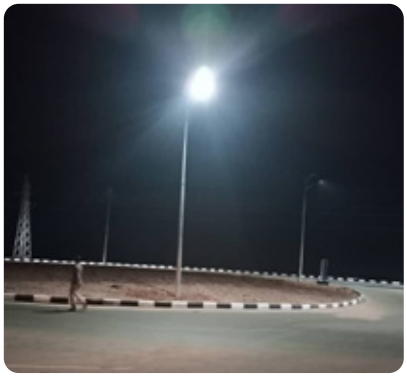
Nigeria’ s capital, Abuja, previously faced challenges with inadequate street lighting, impacting both urban and rural areas. The lack of reliable and eco-friendly lighting solutions hindered nighttime mobility and security. Addressing this challenge was a priority for the local administration, eager to embrace sustainable measures and reduce the dependency on conventional electricity.



Solution Delivered:

Jinhua SunMaster Solar Co., Ltd. provided a comprehensive solution utilizing our Smart Leaf solar streetlights. This technology







integrates advanced solar energy capture and LED lighting, ensuring high performance and reliability in varied settings. The installation was designed to optimize energy usage through smart technology, resulting in improved illumination and enhanced functionality across targeted zones.

Implementation:

The project was executed seamlessly by Akogate Engineers, leveraging SunMaster's expertise and high-quality solar components. Our partnership with Akogate allowed for a rapid deployment that minimized disruptions, delivering noticeable improvements in public lighting infrastructure. The streetlights were installed efficiently, with Akogate’ s team handling on-ground logistics and ensuring that system configurations met the local requirements.

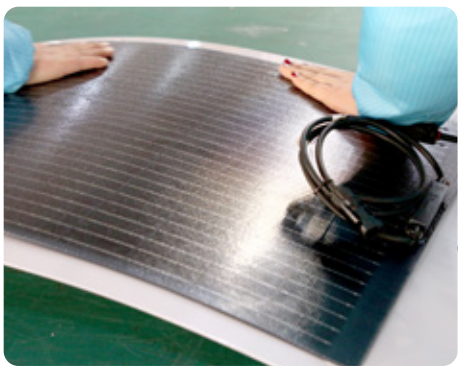
Outcomes and Impact:

The deployment of Smart Leaf solar streetlights brought immediate benefits. Abuja now enjoys consistent and sustainable lighting, which has improved safety and visibility at critical locations like the Airport roundabout. The project is a testament to the potential of solar technology to revolutionize urban lighting while fostering sustainable practices. The success of this initiative positions the SunMaster and Akogate partnership as a model for future projects in Nigeria and beyond.

Scalability and Future Prospects:

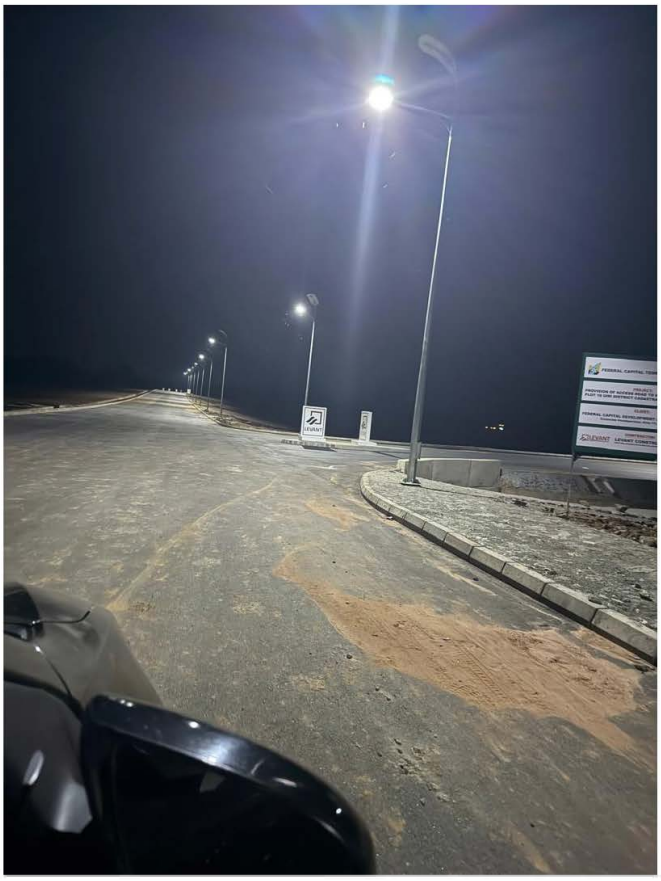
Considering the project's success, there are ongoing discussions to expand similar solar solutions to more regions within Nigeria. This initiative not only highlights the scalability of our solutions but also our commitment to contributing to Nigeria's broader energy transition goals.

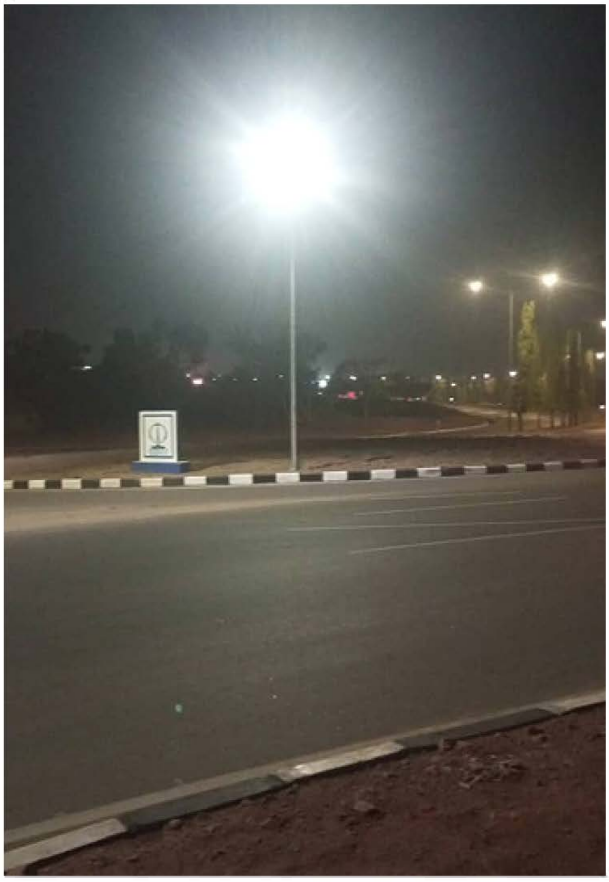






Installation Photo







Jinhua SunMaster Solar Co., Ltd
No. 2819,Haitang East Road Jinhua City,Zhejiang China
✆: +8615658918563 ✉: sale9@chinasunmaster.com

Sales Contract

The Buyer: [redacted]

[redacted]

No.: 2412WJH-AVL

[redacted]

Date:Feb 8, 2024

The Undersign Sellers And Buyers Have Agreed To Close The Following Transaction According To The Terms And Condition Stipulated Below:

Photo (For reference only)	Name & Specification	Q'ty (sets)	EXW Price	Amount
	Smart Leaf Solar Street Light 1.Model: SLD42-100W 2.Solar Panel: 100W flexible smart leaf solar panel top efficiency 3.Battery: 1075Wh Lithium battery deep cycle 4.Controller:10A,light on+time intelligent control 5.Cables:complete set for the Wiring	842	[redacted]	

Total: USD325,012.00

(1) Delivery From: SunMaster factory

(2) Delivery Time: 25-30days. Delivery To: Abuja Nigeria

(3) Terms Of Payment: Deposit 30%,balance before delivery delivery.

(4) Bank information:
Beneficiary Bank: BANK OF HANGZHOU CO., LTD JINHUA BRANCH
SWIFT Code: HZCBCN2HJHB
Bank Address: Offices 101/201,Shuanglong South Street,Wucheng District,Jinhua China
Beneficiary Name: JinHua Sunmaster Solar Co,Ltd
Account Number: 3307040160000064980
Address:No.2819 Haitang East Road,Jinhua Zhejiang China

(5) If the buyer fails to make balance payment within 45 days, the seller has the right to seek payment for the goods through legal means or dispose of the goods without returning the deposit. In such cases, the seller shall be considered to have automatically obtained the brand authorization.

(6) The settlement of disputes under this contract shall be the court of jurisdiction for the registered office of the Seller.

The Buyer's Signature [redacted]

The Seller's Signature 金华市尚特太阳能科技有限公司 JinHua Sunmaster Solar Co.,Ltd

Partial Shipment

中远海运集装箱运输有限公司
COSCO SHIPPING LINES CO., LTD.

ORIGINAL

Tel: +86 21 3512 4888
E-Business: elines.coscoshipping.com

PORT TO PORT OR COMBINED TRANSPORT BILL OF LADING

1. Shipper Insert Name Address and Phone/Fax JINHUA SUNMASTER SOLAR CO.,LTD. ADDRESS:NO.2819 HAITANG EAST ROAD, JINHUA ZHEJIANG CHINA TEL: 0086-579-82466629 FAX: 0086-579-82466621	Booking No. 6414852790 / Bill of Lading No. COSU6414852790 Export References CSO/AGREEMENT NUMBER 00062960
2. Consignee Insert Name Address and Phone/Fax [redacted]	Forwarding Agent and References FMC/CHB No. Point and Country of Origin
3. Notify Party Insert Name Address and Phone/Fax (It is agreed that no responsibility shall attach to the Carrier or his agents for failure to notify) SAME AS CONSIGNEE	Also Notify Party-routing & Instructions
4. Combined Transport * Pre-Carriage by	5. Combined Transport * Place of Receipt NINGBO,CHINA
6. Ocean Vessel Voy. No. NAVIOS DESTINY 085W	7. Port of Loading NINGBO,CHINA / Service Contract No. / Doc. Form No. 3
8. Port of Discharge LAGOS	9. Combined Transport * Place of Delivery TIN CAN ISLAND / Type of Movement FCL / FCL CY-CY

Marks & Nos. Container / Seal No.	No. of Container or Packages	Description of Goods (if Dangerous Goods, See Clause 21)	Gross Weight	Measurement
N/M		SOLAR STREET LIGHT BA21420250003207 MF20250034833 *KALUJOSEPH66@GMAIL.COM INFO@AKOGATE.NET		
TOTAL:	202 PACKAGES		2089.000KGS	13.5000CBM
OCEAN FREIGHT PREPAID SHIPPER'S LOAD STOW COUNT AND SEAL ON CY-CY TERM				
CSNU1931306 /30177881 /	202 PACKAGES	/FCL/FCL /20GP/		

Declared Cargo Value US$ — Description of Contents for Shipper's Use Only (Not part of This B/L Contract)

10. Total Number of Containers and/or Packages (in words) Subject to Clause 8 Limitation of Liability: SAY ONE CONTAINER TOTAL

11. Freight & Charges	Revenue Tons	Rate	Per	Amount	Prepaid	Collect	Freight & Charges Payable at / by

Received in external apparent good order and condition unless otherwise stated. The total number of the packages or units, the description of the goods and the weights shown in this Bill of Lading are furnished by the merchants, to which the carrier has no reasonable means and duties of verification. The carrier has issued 3 original Bills of Lading, all of this tenor and date, upon any one of the original Bills of Lading be surrendered and endorsed or signed against the delivery of the shipment, the others shall be void. The merchants agree to be bound by the terms and conditions of this Bill of Lading and Sanctions and the Export Control Compliance Terms as if each had personally signed this Bill of Lading. The complete TERMS AND CONDITIONS appearing on the reverse side of this Bill of Lading and the Sanctions and Export Control Compliance Terms are available at https://lines.coscoshipping.com/home/HelpCenter/termsAndConditions. Demurrage and Detention shall be charged according to the tariff published on the Home page of https://lines.coscoshipping.com. If any ambiguity or query, please search by Demurrage & Detention Tariff Enquiry.
*Applicable Only When Document Used as a Combined Transport Bill of Lading.

Date Laden on Board 18 APR 2025

Signed by:

宁波中远海运集装箱运输有限公司
COSCO SHIPPING LINES (NINGBO) CO.,LTD.

AS AGENT

9805 Date of Issue 18 APR 2025 Place of Issue NINGBO

Signed for the Carrier, COSCO SHIPPING LINES CO.,LTD.

PHOTO COPY PHOTO COPY

BOQ of 842units Smart Leaf Solar Street Light
Abuja Governmental Nigeria Project

Project: Provision of Access Road to New EFCC Academy Site at Giri District, Cadastral Zone E01, Abuja (project no: FCDA/DES/CIC/AR-EFCC/01/7/35)

Client: [redacted]

Contractor: [redacted]

Material Supplier: Jinhua SunMaster Solar Co., Ltd (China)

Item No.	Description	Quantity	Rate (USD)	Total Cost (USD)
1	100W LED Luminaire	842	[redacted]	
2	100W Flexible Smart Leaf Solar Panel			
3	1075Wh LiFePO4 Lithium-ion Phosphate Battery			
4	Solar Charger Controller 10A			
5	Cables complete set for the Wiring			
Say: US Dollars Three Hundred and Twenty-Five Thousand and Twelve only.				

Steven

Chief Engineer

Jinhua SunMaster Solar Co.,Ltd

July 01, 2025

金华市尚特太阳能科技有限公司
JinHua Sunmaster Solar Co.,Ltd

OFFICE OF THE DIRECTOR OF ENGINEERING SERVICES

FEDERAL CAPITAL DEVELOPMENT AUTHORITY

[redacted]

FCDA/DES/CIC/AR-EFCC/01/7/35

01 July, 2025

To Whom It May Concern

Letter of Recommendation

We are pleased to recommend **Jinhua SunMaster Solar Co., Ltd.** trusted provider of innovative solar street lighting solutions. In 2025, their product, Smart leaf Solar Street light was officially approved by the **Federal Capital Development Authority (FCDA)** to [redacted] who is their Sole Representative/Provider in Nigeria to procure and install for the project titled *"Provision of Access Road to New EFCC Academy Site at Giri District, Cadastral Zone E01, Abuja"* (Project No.: FCDA/DES/CIC/AR-EFCC/01/7/35).

Key Contributions:

- **Technical Excellence:** The Smart Leaf Solar Street Lights demonstrated exceptional performance under Abuja's harsh climate, delivering over 12 hours of nightly illumination with dust-resistant (IP65) and heat-tolerant designs.
- **Policy Alignment:** This project became a flagship initiative under Nigeria's *National Street Lighting Upgrade Program*, setting a benchmark for future solar infrastructure projects.

Jinhua SunMaster Solar Co., Ltd. in partnership with **Akogate Ventures Limited**, combines international innovation with local expertise and strong project execution. We endorse both parties without reservation for similar initiatives.

Sincerely

[redacted]

Director of Engineering Services

FCDA Sign..... Date 6/8/25 ABUJA

ABUJA
The Heart of Nigeria