



ADEXA POWER WORLD

ADVANCED RENEWABLE ENERGY & WATER TECHNOLOGY

COMPANY PROFILE



Matugga, Nansanamatugga uganda, bombo road,
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Who We Are?

Adexa Power World Ltd is a premier EPC firm specializing in integrated solar energy and water solutions. Operating across Africa and parts of Asia-Pacific, we deliver custom-built power systems for commercial, industrial, and public sector clients. Our commitment to innovation, environmental sustainability, and reliable execution has made us a trusted partner in remote, complex, and climate-sensitive regions.

We combine technical expertise with a deep understanding of regional challenges to deploy scalable, efficient, and cost-effective solar and water solutions. Whether providing standalone off-grid systems or integrated energy and water infrastructure, our approach is rooted in sustainability, quality, and impact.





MISSION STATEMENT

To deliver innovative, reliable, safe, scalable, bankable and affordable clean energy and water technology solutions that empower industries and communities.



VISION

To be a local and regional leader in renewable energy and smart water solutions, driving a sustainable future for communities.



CORE VALUES

Our EPC solar and water pumping company is built on sustainability, innovation, and reliability, delivering high-quality renewable energy solutions with a commitment to environmental stewardship.

We prioritize safety, integrity, and client-centric service, ensuring cost effective, tailored systems that empower communities and optimize resource efficiency. Through engineering excellence, ethical practices, and long-term partnerships, we drive impactful, sustainable progress in every project.



COMPANY OVERVIEW

Founded in **2023**, Adexa Power World Ltd is headquartered in Matugga, Uganda. We serve both local and international markets with high-performing renewable energy and water infrastructure. Our projects range from compact residential systems to large-scale industrial solar fields, all tailored to meet client-specific needs and environmental conditions. We offer turnkey services from engineering design to commissioning and post-installation maintenance. Our solutions integrate advanced photovoltaic technologies, smart storage systems, and innovative water treatment designs—empowering communities with clean, reliable resources.

With a commitment to sustainability and innovation, we design, build, and manage high-efficiency solar power plants and integrated water solutions for commercial, industrial, and utility-scale clients.

Our **expertise** in cutting-edge solar technology, energy storage, and smart water management enables us to deliver cost-effective, reliable, and eco-friendly energy solutions that drive the global transition to a clean energy future.

One of our focus is promoting renewable energy sources to reduce carbon emissions and mitigate their impact on the climate. This is our commitment to environmental sustainability and cleaner energy solutions.



Corporate Objectives

- To promote the adoption of renewable energy through turnkey project development
- To build capacity in rural and peri-urban regions for sustainable water access
- To maintain superior engineering standards and client service excellence
- To continually invest in research and development
- To develop partnerships that further sustainable development goals (SDGs)

Safety Policy



At Adexa Power World, safety is a fundamental part of our operational philosophy. We maintain rigorous Safety, Health, and Environment (SH&E) protocols across all sites and offices.

Key Practices:

Use of PPE (Personal Protective Equipment)

- Regular SH&E training for all staff
- Emergency response preparedness
- Continuous risk assessments and mitigation plans





Xavier Tunanukye | Founder & CEO

A certified renewable energy and water systems engineer with over 10 years of hands-on experience, Xavier has led EPC projects across East, Central, and Southern Africa. His leadership is anchored in:

- ERA Certification – Class Z (C&I)
- Hybrid, Grid-Tied, and Off-Grid System Expertise
- Technical Trainer at Enlight Academy & IUEA
- UNDP Project Implementer in fragile and remote regions

OUR TEAM



Lugemwa Nicholas **General Manager**

BSc Electrical Engineering, 7+ years in C&I solar, expert in PV design tools (PVSOL, AutoCAD, Visio).



Tumuhimbise Nicholas **Solar & Water Technician**

3+ years hands-on installation experience, focused on solar systems, water tech, and client support.



Tukahirwa Robert **Design Engineer**

BSc + Postgrad in Project Planning, 5+ years in residential and commercial energy solutions, water filtration, and solar PV deployment.





SUSTAINABILITY COMMITMENTS

- Offset 1,000+ metric tons of CO₂ annually
- Train and employ 500+ technicians by 2027
- Electrify 50+ rural clinics by 2030
- Install water systems in 100+ underserved villages





CORE SERVICES

1. Solar Energy Systems
2. Energy Storage and Control
3. Smart Water Pumping Solutions
4. Solar Water Purification
5. Hybrid & Micro-Grid Systems
6. Construction & Installation
7. Engineering (Design & Assessment)
8. Solar Cameras
9. Street Solar Lights





1. SOLAR ENERGY SYSTEMS

Comprehensive solar solutions for homes, institutions, and communities.

- On-grid and Off-grid Solar Systems
- Hybrid Solar Systems
- Mini-Grids for Communities
- Institutional Solar Solutions (e.g., schools, health centers)





2. ENERGY STORAGE AND CONTROL

Reliable battery systems and smart controls for energy backup and efficiency.

- Lithium-ion and Lead-Acid Battery Systems
- Smart Charge Controllers
- Integrated Backup Power Management





3. SMART WATER PUMPING SOLUTIONS

Efficient solar-powered pumps for agriculture, livestock, and communities.

- Submersible and Surface Pumps
- Solar-Powered Agricultural Irrigation
- Livestock Watering Systems
- Community Water Supply Systems





4. SOLAR WATER PURIFICATION

Clean water solutions using solar-driven purification technologies.

- UV Disinfection Systems
- Reverse Osmosis Units
- Chlorination Systems





5. HYBRID & MICRO-GRID SYSTEMS

Resilient energy systems combining solar and backup sources.

- Solar-Diesel Hybrid Systems
- Autonomous Community Power Grids

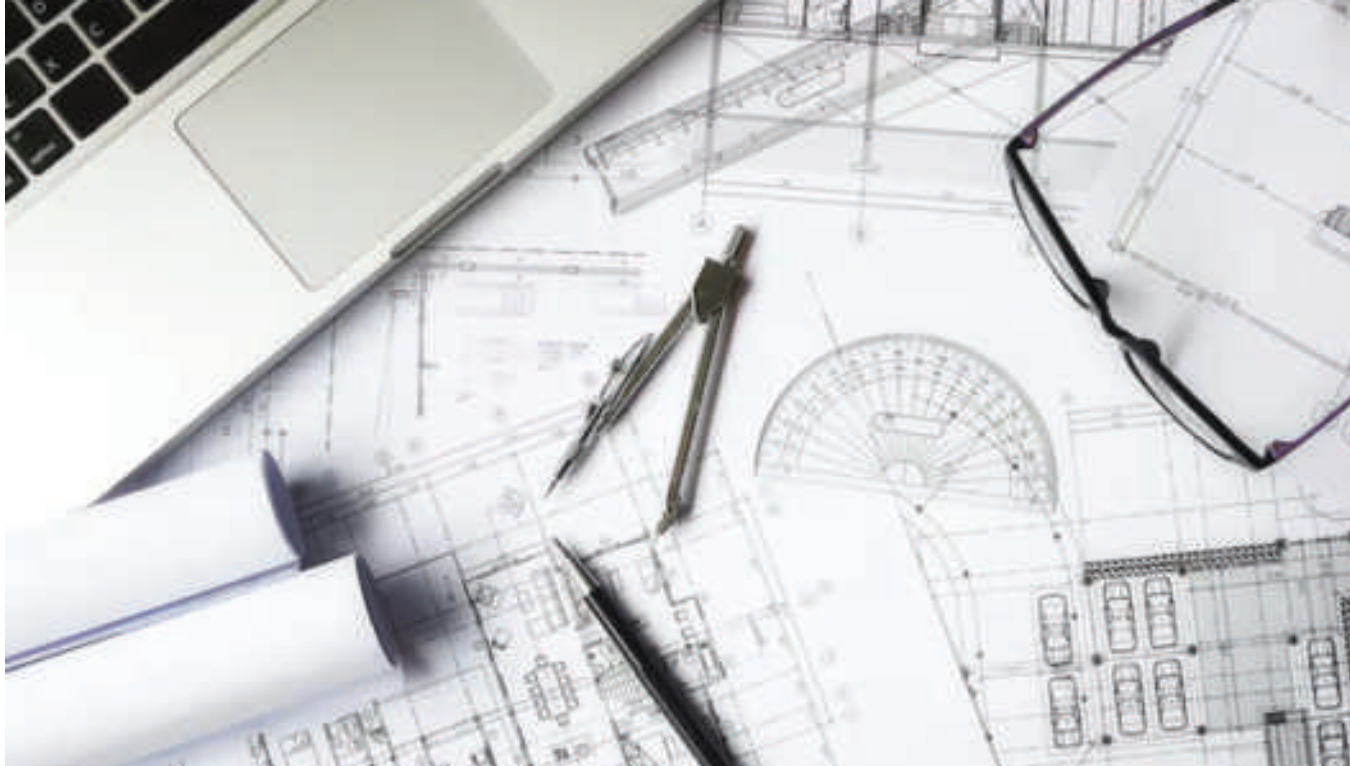




6. CONSTRUCTION (INSTALLATION & COMMISSIONING)

- Domestic & Industrial Wiring Installation
- Solar Panel Installation (On-grid/Off-grid)
- Battery & Backup System Installation
- Hybrid System Deployment
- Switchboard & Control Panel Installation
- Lighting System Installation





7. ENGINEERING (DESIGN & ASSESSMENT)

- Assessment, Sizing, and Design (for solar, backup, and hybrid systems)
- Domestic & Industrial Wiring Layouts
- Switchboards & Control Panels Design
- Lighting System Design
- Hybrid System Configuration





8. SOLAR CAMERAS

Standalone, solar-powered security systems with smart features.

- Remote Access
- Motion Detection
- Cloud Storage



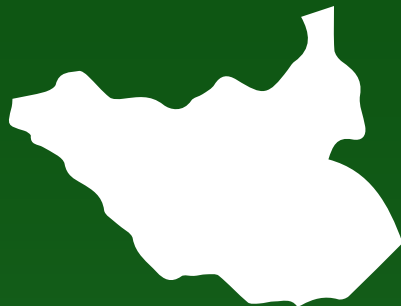


9. STREET SOLAR LIGHTS

Durable solar lighting for roads, institutions, and estates.

- Motion-Sensor Lighting for Public Roads,
- Estates
- Schools
- Institutions





SOUTH SUDAN

250kWp – UNDP Program (Juba)

Installed a solar PV system with lithium battery backup for UNDP humanitarian operations. Delivered continuous clean power in a volatile environment.



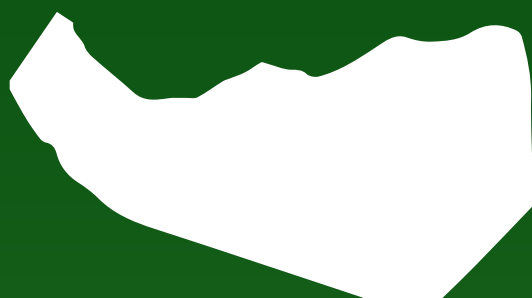


BURUNDI

50kWp – UNDP Offices (Bujumbura)

Built and commissioned an off-grid PV system to power UN administration. Ensured 24/7 uptime with monitoring and control systems.





SOMALILAND

74kWp – UN Offices (Hargeisa)

Executed hybrid solar installation for remote UN facilities.

Used high-efficiency panels and advanced battery management systems.





DRC

250kWp – Ituri Province (Mambasa)

Deployed a solar PV system for a rural hospital and water pumping project.

Successfully operated under logistical and terrain challenges.





LESOTHO

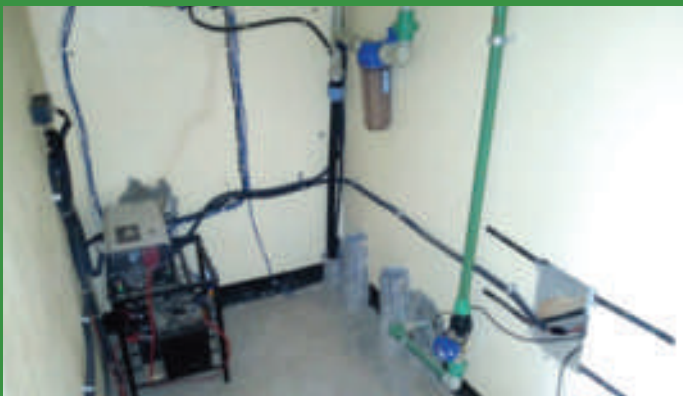
Grid-Tied System – Government Buildings (Maseru)

Integrated solar into the national grid.

Reduced diesel use and improved
energy policy implementation.



PICTORIAL GALLERY



PICTORIAL GALLERY





Why Choose Us

Adexa Power World stands out in the renewable energy and water technology sector because of our:

1. Expertise and Innovation

Our team includes seasoned professionals with hands-on experience in designing and implementing cutting-edge energy and water systems.

2. Client-Centric Approach

We tailor every solution to the unique needs of our clients whether residential, commercial, or institutional.

3. Turnkey Project Delivery

We provide end-to-end services from feasibility studies and design to installation and after-sales support.

4. Sustainability Commitment

All our systems are designed with long-term environmental impact in mind, aligned with SDGs and national climate goals.

5. Cost-Effective Solutions

We balance quality with affordability to deliver maximum value without compromising performance.

6. Reliable Support and Maintenance

Our dedicated team offers round-the-clock support, remote monitoring, and quick-response maintenance services.

7. Proven Track Record

We have successfully completed multiple projects across Uganda and the region, with measurable social and economic impact.



OUR LEGAL DOCUMENTS

Adexa Power World Ltd is a fully licensed and certified renewable energy EPC company operating under Uganda's regulatory framework and aligned with international standards. The following documents are available upon request and included in this profile as proof of our technical and legal competence:

Certificate issued on: 2024-04-05



Registration No: [80034187771020](#)



THE REPUBLIC OF UGANDA
THE COMPANIES ACT

Certificate of Incorporation

(Under Section 18(3) of the Companies Act 2012)

I CERTIFY that [ADEXA POWER WORLD - SMC LIMITED](#) ([Single Member Company](#)) has this day been incorporated with Limited Liability

Dated at Kampala, this [05th](#) day of [April](#) the year [2024](#)

UGANDA REGISTRATION
SERVICES BUREAU



Signature: [KATUSHABE NAOME](#)
Registrar of companies

Printed on 12:45 2024-04-05



OUR LEGAL DOCUMENTS

Regulation Instrument



ELECTRICITY REGULATORY AUTHORITY INSTALLATION PERMIT



Issued Under S.89 of the Electricity Act Cap 145, and Electricity (Installation Permits) Regulations, 2019

Permit Number: **ERA/EIP/CLZ/023/7727** Permit Class: **Z**
Issue Date **2023-08-28** Renewal Date **2025-02-19** Expiry Date **2025-12-31**
Name: **LUGEMWA NICHOLAS**
Physical Address: **KAMPALA**
Postal Address: **P.O BOX KAMPALA**
Telephone: **+256 758533596**
Email: **nicolug8@gmail.com**

The person who appears in the above photograph, has been granted an installation Permit to undertake the following specialised categories of work only:

- Installation and maintenance of large solar systems

.....
Secretary
Installations Permits Committee

.....
Chairman
Installations Permits Committee

This Permit is not Transferable according to Regulation 12.
This Permit must be exhibited at work premises of the installations person
Misuse of this Permit is an offence and shall automatically result into cancellation according to Regulation 19.



OUR LEGAL DOCUMENTS



Certificate of Registration

For General Tax Questions

call our Toll Free Number

0800117000

Or log onto URA web portal

<http://ura.go.ug>

Notice DT-1112

Notice Date: 06/05/2024

This is to certify that taxpayer shown herein has been registered with Uganda Revenue Authority

Section A : Taxpayer Information

Taxpayer Identification Number	1045711234
Taxpayer Legal Name	ADEXA POWER WORLD - SMC LIMITED
Business Name	N.A.

Section B : Headquarter Office or Principal Place of Business Physical Address

1) Plot Number N.A.	2) Street Name N.A.	3) Building Name N.A.
4) Trading Center NSAMBYA	5) District/City KAMPALA	6) County/Municipality MAKINDYE DIVISION EAST
7) Sub-County/Town Council/Division MAKINDYE DIVISION	8) Parish NSAMBYA ESTATE	
9) Village/Local Council ZONE A		

Section C : Nature of Business Activity

Electricity, gas, steam and air conditioning supply

Section D : Registration Details

S.N	Tax Type Registered for	Effective Date of Registration	Effective Date of Cancellation
1	TIN Non Individual	06/05/2024	
2	Income Tax	06/05/2024	
3	Stamp Duty	06/05/2024	

The above TIN must appear on all your tax invoices and correspondences with Uganda Revenue Authority. Your accounting date is 30 June as per Sec 39(1) of The Income Tax Act, Cap 340 unless a change has been approved by the Commissioner General. This Certificate shall remain in force until it is cancelled.

Section D - Official URA

Authorized Signature	Designation of Signatory Officers Grade 1
Printed Name of Signatory ALICE WAGABAZA	Contact Number

GNS PLAZA FLOOR 1, OPPOSITE GADDAFI MOSQUE, PLOT 4, BLOCK 1, OLD KAMPALA ROAD, KAMPALA, KAMPALA SOUTH, Uganda.



OUR PARTNERS

GOODWE
Smart Energy Innovator

ennos
INNOVATIVE SWISS TECHNOLOGY

OutBack
Power Systems

SUNTECH
Solar powering a green future

BYD

Jinko
Solar

victron energy
ELECTRONICS

GRUNDFOS

TBB POWER

DIFFUL




felicitysolar

PYLONTECH





CONTACT US

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