



Company Profile



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Welcome to Reneo

At **Reneo**, we are redefining the future of clean energy in Africa, pioneering innovative solutions that drive sustainability, reliability, and efficiency. As a company headquartered in Lagos, Nigeria, we are at the forefront of Africa's renewable energy revolution, delivering cutting-edge solutions that empower businesses and individuals. With strong financial backing and strategic partnerships from the UK, we bring world-class expertise and technology to the African market, setting new standards for energy independence and environmental responsibility.

Our comprehensive range of premium energy solutions includes advanced solar power systems, high-capacity energy storage solutions, and intelligent energy efficiency optimization tailored to meet the unique demands of our clients. We cater to a wide spectrum of sectors, including banks, blue-chip corporations, industrial manufacturers, educational institutions, hotels, churches, and high-net-worth residential properties.

Our mission is to provide seamless, high-performance energy systems that enhance productivity, reduce operational costs, and contribute to a greener planet.

Innovative and Intelligent Energy Solutions

Reneo integrate state-of-the-art technologies to ensure that our clients receive the best energy solutions available. Our expertise spans multiple critical areas, including:



Building-Integrated Photovoltaics (BIPV)

We incorporate solar technology directly into building materials, creating aesthetically pleasing and highly functional renewable energy solutions that maximize energy generation without compromising architectural design.



Battery Energy Storage Systems (BESS)

Our high-performance battery storage solutions provide uninterrupted power supply, ensuring energy availability even in the absence of sunlight or during grid failures. These systems help businesses optimize energy usage and minimize reliance on traditional power sources.



Energy Efficiency Optimization

We deploy smart energy management systems that analyze consumption patterns and implement energy-saving strategies, reducing wastage and improving overall efficiency.



AI-Powered Energy Analytics

Our artificial intelligence-driven analytics platforms provide real-time monitoring and predictive maintenance, ensuring optimal system performance and identifying potential issues before they become costly problems.

Beyond Traditional Renewable Energy

Reneo is not just about harnessing solar power; we take renewable energy solutions to the next level with innovative features that set us apart from conventional providers. Our integrated systems include:

- **Tier 1 Solar Equipment:** We utilize only the highest quality, internationally recognized solar panels and components, ensuring longevity, reliability, and maximum energy output.
- **Blockchain-Based Energy Transactions:** By leveraging blockchain technology, we enable secure, transparent, and decentralized energy trading, allowing businesses to optimize costs and increase energy security.
- **Predictive Pricing Models:** Our advanced algorithms analyze market trends and energy consumption data to provide cost-effective pricing solutions, helping clients manage expenses with precision.
- **Advanced Remote Energy Management:** Our cloud-based platforms offer real-time remote monitoring, enabling users to track energy production, consumption, and system health from anywhere in the world.
- **AI-Driven Maintenance:** Predictive analytics and machine learning ensure proactive maintenance, reducing downtime and optimizing system performance for maximum return on investment.

Commitment to Excellence

We prioritize excellence in every aspect of our operations. Our commitment to high health and safety standards ensures that all installations and maintenance activities are carried out with the utmost care and professionalism.

We employ data-driven energy design modeling to customize solutions that align with our clients' specific needs, delivering unparalleled efficiency and effectiveness.

Furthermore, our dedicated maintenance services guarantee long-term system reliability, allowing businesses and individuals to enjoy sustainable, uninterrupted power for years to come.



Why Choose Reneo? The Reneo Advantage

1

Premium, High-Performance Renewable Energy Solutions

We deploy only Tier 1 solar technology, ensuring maximum efficiency, durability, and long-term returns. Our solutions provide unmatched reliability, specifically optimized for the unique and often challenging African environments. We use advanced photovoltaic materials and high-quality components to deliver energy systems that maintain peak performance over decades.

2

AI & Predictive Analytics for Intelligent Energy Management

We leverage AI-powered modeling and machine learning to optimize solar panel placement, forecast energy demand, and implement automated procurement strategies. Our predictive analytics ensure the most efficient and cost-effective energy solutions for our clients, reducing waste and maximizing energy utilization. Our AI-driven tools allow businesses to anticipate power needs and dynamically adjust consumption for optimal savings and sustainability.

3

AI-Optimized Preventive & Corrective Maintenance

Our AI-driven predictive maintenance system detects potential failures before they occur, reducing downtime and ensuring seamless energy operations. By analysing system performance data in real-time, our advanced algorithms can anticipate equipment wear and schedule proactive maintenance, preventing costly disruptions and extending the lifespan of critical infrastructure.

4 Remote Energy Management & Smart Monitoring Systems

Our AI-powered smart meters and remote monitoring solutions provide real-time tracking of energy usage, allowing businesses to optimize efficiency and cost savings. With instant insights into consumption patterns, companies can fine-tune their energy strategies, reduce waste, and identify areas for improvement. Our cloud-based dashboards offer comprehensive energy management solutions accessible from anywhere in the world.

5 RFID Smart Labels for Asset Management

Reneo integrates RFID-enabled asset tracking, allowing businesses to monitor energy infrastructure, track equipment performance, and optimize asset utilization seamlessly. These smart labels enhance inventory accuracy, streamline maintenance workflows, and reduce operational risks by providing real-time asset visibility. With RFID integration, businesses gain greater control over their renewable energy investments and can ensure optimal performance across all components.

6 Building-Integrated Photovoltaics (BIPV) for Aesthetic & Functional Design

Our BIPV solutions integrate solar technology into building facades, roofs, and windows, allowing businesses and residences to generate electricity without compromising on architectural aesthetics. These systems provide dual benefits: enhancing the visual appeal of structures while ensuring a sustainable, self-sufficient energy source. Our customized BIPV designs seamlessly blend with modern and traditional architectural styles, delivering both functionality and elegance.

By choosing **Reneo**, businesses and individuals gain access to industry-leading renewable energy solutions that are innovative, efficient, and designed to drive Africa's sustainable future. Join us in transforming the continent's energy landscape with smart, high-performance, and environmentally conscious solutions.

Who We Serve

Banks & Financial Institutions

Nigerian banks require uninterrupted power to maintain ATM uptime, ensure secure data center operations, and comply with regulatory sustainability requirements. Reneo provides AI-driven predictive energy pricing, and advanced Battery Energy Storage Systems (BESS) to guarantee continuous power supply. Our intelligent energy management solutions optimize power distribution, reduce operational costs, and enhance resilience against grid failures. Additionally, our sustainable energy solutions help financial institutions meet the Central Bank of Nigeria's (CBN) sustainability regulations, reduce carbon footprints, and align with global Environmental, Social, and Governance (ESG) goals. With Reneo's innovative systems, Nigerian banks can maintain seamless ATM availability, uphold customer trust, and ensure long-term energy efficiency.

Blue-Chip Corporations & Corporate Headquarters

Corporate headquarters demand reliable, scalable, and ESG-compliant energy solutions to meet sustainability goals while maintaining cost efficiency. Reneo provides integrated smart meters, AI-powered efficiency optimization, and cutting-edge Building-Integrated Photovoltaics (BIPV) to help businesses enhance their green footprint. Our tailored solutions enable corporations to achieve carbon neutrality, reduce energy expenditures, and comply with global sustainability standards, all while maintaining high operational efficiency.

Manufacturing & Industrial Clients

Industrial operations require high-energy output, cost-effective solutions, and resilient power systems to maintain production efficiency. Reneo delivers advanced industrial solar power solutions, Battery Energy Storage Systems (BESS), blockchain-based energy trading platforms, and AI-driven load balancing. Our technology helps manufacturing plants optimize energy consumption, reduce peak-hour costs, and achieve sustainable, long-term energy independence. By integrating predictive analytics, we enhance equipment longevity and prevent costly power disruptions.

Schools & Educational Institutions

Reliable energy is essential for uninterrupted education and digital learning advancements. Reneo provides AI-optimized solar power and smart storage solutions that sustain classrooms, research laboratories, and administrative operations. Our intelligent energy solutions support e-learning, campus-wide connectivity, and uninterrupted power for modern educational tools. Schools benefit from reduced operational expenses while promoting sustainability and environmental awareness among students.

Reneo's Advanced Energy Solutions

1 Building-Integrated Photovoltaics (BIPV)

Solar Meets Architecture Our innovative BIPV technology seamlessly integrates solar panels into building facades, windows, and roofing, transforming structures into self-sustaining energy sources. This cutting-edge solution allows businesses and high-end residences to generate renewable power without compromising architectural aesthetics. By reducing reliance on traditional power grids, BIPV enhances energy independence while contributing to sustainability and modern building design.

2 Battery Energy Storage Systems (BESS) for Unmatched Reliability

Reneo's high-capacity lithium-ion storage solutions provide:

- Backup power for critical systems – Ensuring uninterrupted operations for banks, hospitals, data centers, and other essential services.
- Optimized energy use during peak hours – Storing excess solar energy for use when electricity demand is highest, reducing energy costs.
- Reduced dependency on fossil fuel-powered generators – Minimizing carbon emissions and fuel expenses by integrating storage with renewable energy sources.

3 AI-Powered Predictive Pricing & Energy Forecasting

Our AI-driven energy forecasting and procurement optimization tools allow businesses to:

- Accurately predict energy market fluctuations - Helping clients make informed purchasing decisions.
- Optimize procurement strategies - Reducing exposure to unpredictable energy price hikes.
- Improve budgeting and financial planning - Enhancing cost efficiency and stabilizing energy expenditures.

4 Perovskite Solar Cells & Next-Gen Photovoltaic Technology

Reneo invests in next-generation solar panel technology, utilizing high-efficiency perovskite solar cells that outperform conventional silicon-based panels. These advanced solar materials offer:

- Higher energy conversion rates – Maximizing electricity generation from sunlight.
- Lower production costs – Making solar installations more affordable and efficient.
- Better performance in low-light conditions – Ensuring consistent energy output even during cloudy days.

5 Predictive & Preventive Maintenance with AI Optimization

Our AI-powered predictive maintenance system ensures maximum uptime and efficiency by:

- Monitoring system health in real-time – Detecting potential faults before they escalate.
- Automating maintenance schedules – Reducing downtime and prolonging equipment lifespan.
- Optimizing energy production – Enhancing overall system reliability and performance.

6 Diesel Monitoring & Hybrid Energy Optimization

For businesses relying on hybrid energy systems, Reneo offers intelligent diesel monitoring solutions that:

- Track fuel consumption in real-time – Reducing waste and improving cost efficiency.
- Optimize generator usage – Ensuring seamless integration with solar energy systems.
- Lower operational costs – Minimizing unnecessary diesel expenses and emissions.

7 Smart Meters & Remote Monitoring

Our IoT-enabled smart meters provide:

- Real-time data on energy usage – Helping businesses track consumption patterns and eliminate inefficiencies.
- Automated energy reports – Simplifying energy audits and cost optimization strategies.
- Remote monitoring & control – Allowing clients to manage energy systems from anywhere in the world.

8 RFID Smart Labels for Asset Tracking & Management

Reneo's RFID-enabled asset tracking solutions offer:

- Instant visibility into equipment performance – Ensuring all assets operate at peak efficiency.
- Seamless inventory management – Reducing downtime by streamlining equipment tracking.
- Proactive system maintenance – Allowing businesses to detect potential failures before they occur.

9 Hotels & Hospitality Industry

In the hospitality industry, guest comfort and seamless operations depend on a consistent and efficient power supply. Reneo offers solar energy solutions integrated with advanced battery storage and AI-enhanced energy management to optimize power efficiency and reduce operating costs. Our smart energy systems ensure smooth operation of HVAC, lighting, security, and entertainment systems, enhancing the guest experience while aligning with sustainability objectives and reducing carbon footprints.

10 Churches & Large Worship Centers

Religious institutions require reliable energy to support large congregations, high-powered sound systems, lighting, and air conditioning. Reneo provides hybrid solar energy solutions with automated load management, ensuring an uninterrupted power supply for worship services, events, and community activities. Our energy solutions are designed to lower energy bills, reduce carbon emissions, and support faith-based organizations in their sustainability efforts.

11 High-Net-Worth Residential Clients

Luxury living requires intelligent, efficient, and aesthetically pleasing energy solutions. Reneo offers BIPV-integrated solar systems that seamlessly blend with architectural design while delivering high-performance energy generation. Our AI-powered smart home energy management solutions and next-generation battery storage systems provide homeowners with complete energy independence, reduced reliance on traditional power sources, and real-time energy monitoring. Experience unparalleled convenience, sustainability, and cost savings tailored for modern high-net-worth living.

Sustainability & ESG Compliance



At Reneo, we are committed to environmental responsibility, helping businesses achieve:

- **Net-Zero Carbon Emissions** – Transitioning to a fully renewable, carbon-neutral energy model to align with global climate goals.
- **Energy Efficiency & Cost Savings** – Implementing AI-driven optimizations to reduce waste, maximize output, and enhance energy demand efficiency.
- **ESG Reporting & Corporate Compliance** – Supporting businesses in meeting international sustainability standards, improving investor confidence, and securing ESG-focused funding opportunities.

By leveraging Reneo’s cutting-edge energy solutions, businesses can enhance sustainability, reduce operational costs, and build a future powered by clean, intelligent energy.

Our Process: From Consultation to Execution

Step 1: AI-Powered Energy Audits & Consultations

Reneo begins every project with a comprehensive, AI-driven energy audit. Our advanced diagnostics analyze energy consumption patterns, identify inefficiencies, and recommend tailored renewable energy solutions. By leveraging data-driven insights, we help businesses optimize energy use, maximize cost savings, and transition towards a more sustainable power model.

Step 2: Generative AI Design & Predictive Pricing

Using cutting-edge AI-driven generative modeling, we design customized energy solutions that balance cost, efficiency, and scalability. Our predictive pricing algorithms analyze market trends, allowing clients to secure energy at the most competitive rates. This ensures long-term financial optimization while maintaining system reliability and performance.

Step 3: Engineering, Procurement & Construction (EPC)

Reneo oversees the complete Engineering, Procurement, and Construction (EPC) process, ensuring precision engineering, adherence to global safety standards, and rapid deployment. Our expertise covers:

- Custom system design - Tailored solutions that align with each client's unique energy demands.
- Procurement of Tier 1 equipment - High-quality solar panels, inverters, and energy storage solutions for optimal performance.
- Expert installation & compliance - Seamless integration with existing infrastructure while meeting regulatory and industry standards.

Step 4: System Commissioning & Performance Optimization

Before activation, Reneo conducts rigorous system testing and fine-tuning to ensure maximum efficiency. Our commissioning process includes:

- Advanced AI-driven performance testing – Real-time monitoring and optimization to achieve peak system output.
- On-site personnel training – Educating clients on system operation, energy management, and best practices.
- Seamless grid and off-grid integration – Ensuring a smooth transition with no disruptions to business operations.

Step 5: AI-Driven Maintenance & Smart Monitoring

Reneo's post-installation support guarantees continuous energy efficiency through:

- Predictive maintenance alerts – AI-powered diagnostics detect potential issues before they impact system performance.
- Corrective maintenance with AI-driven automation – Automated troubleshooting ensures rapid response and minimal downtime.
- Real-time energy tracking via smart dashboards – Clients gain access to live energy performance analytics, helping them optimize usage and costs.



Partner with Reneo to experience the future of intelligent, sustainable energy solutions tailored to Africa's leading enterprises.

Contact Us Today

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Reneo – Powering Africa's Leading Enterprises with Intelligence, Innovation, and Sustainability.