

CASE STUDY

Nile University of Nigeria

Championing Student Success through Renewable Energy

In Nigeria's pursuit of development and global competitiveness, higher education plays a crucial role in shaping future leaders. Institutions like Nile University are pivotal in fostering knowledge, research, and innovation. However, to fulfil this mission, reliable infrastructure, especially a consistent and cost-effective power supply, is essential.

At Nile University, frequent power disruptions impact academic activities, disrupting lectures, lab work, and access to digital resources. Faculty should focus on teaching and mentoring, not on power outages.

Consistent power for educational institutions is an investment in Nigeria's intellectual capital. By ensuring energy stability, we enable faculty to teach without interruption, students to learn fully, and research to flourish. For a country aiming to thrive in a knowledge-driven economy, a robust energy supply is not just a need; it's a necessity.



The Key Stats

 Solution Delivered	Power-as-a-Service (PaaS)
 Energy Generation Type	Solar Power
 Project Tenor	15 years
 Sector	Education (Tertiary)
 Location	Abuja, Nigeria
 Completion Date	Phase 1: January 2022 Phase 2: July 2024 Phase 3: October 2025
 Installed Capacity	Power Station 1 (PS1) - 597kWp Solar System Power Station 2 (PS2) - 294kWp Solar System Power Station 3 (PS3) - 579kWp Solar System
 Annual Savings	₦650m
 CO₂ Offset (kg)	2,794,437

About Nile University Nigeria Limited

Nile University of Nigeria (NUN) is a private multidisciplinary university established in 2009 and located in Abuja, Nigeria. It is a member of the Honoris United Universities Network and is accredited by the National Universities Commission. The university currently has eight faculties and a School of Postgraduate Studies, offering 34 undergraduate programs and 47 postgraduate programs.

In addition to its standard academic offerings, Nile University provides short, on-demand professional courses through its Centre for Lifelong Learning (CELL), which are tailored to the needs of participants. In 2020, the university joined the Honoris United Universities network, becoming one of its 14 member institutions, alongside others like ESPRIT and Université Mundiapolis.



The Problem

Despite the growing importance of sustainable and reliable energy in Nigeria's education sector, many institutions continue to struggle with unstable power supply and rising energy costs, issues that directly disrupt academic activities and institutional development. As Nile University of Nigeria continues to expand its infrastructure and academic offerings, the need for uninterrupted, environmentally responsible power becomes even more critical. This raises a broader challenge: how can higher education institutions in Nigeria scale renewable energy solutions to ensure continuous operations, promote long-term sustainability, and protect themselves from the volatility of traditional energy markets?

The Smart Choice for Reliable and Predictable Energy

At Starsight Energy, we understood their need for unwavering power and predictable costs, especially given the current economic climate. Our Power-as-a-Service (PaaS) model enables Nile University of Nigeria to acquire a world-class system with zero upfront capital cost, thereby freeing up their capital to invest directly into their core business growth.

The use of Tier 1 technology ensures that our equipment is of the highest quality, guaranteeing maximum efficiency, durability, and a longer operational life, providing unparalleled reliability for their critical operations.

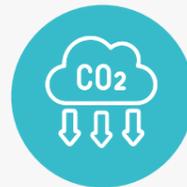
The Results & Impact



Brand and Community Impact: Reliable power supports a consistent learning environment and enhances the university's reputation as a leader in sustainability. This not only attracts environmentally conscious students and faculty but also strengthens Nile University's role as a forward-thinking academic institution in Nigeria.



Diesel Consumption Reduction. The solar power system at Nile University has reduced reliance on diesel generators, cutting fuel usage and improving energy efficiency.



Carbon Emissions Avoidance Nile University's switch to solar energy has prevented about 15,000,000 kg of CO₂ emissions, supporting global sustainability and demonstrating its commitment to environmental responsibility.



Uptime The renewable energy infrastructure has ensured an uninterrupted power supply across the campus, minimising disruptions to academic activities, research, and administrative functions.



Carbon Emissions Avoidance With solar energy powering the campus, the university has significantly reduced power costs, allowing for better allocation of resources toward academic priorities.

TAKE THE LEAP

It's time to rethink your energy strategies and consider the benefits of alternative, reliable energy sources. Join the movement toward sustainability and operational efficiency!

Explore how transitioning to solar power and battery systems can not only reduce your energy costs but also enhance your commitment to environmental stewardship.



Client Testimonial

Infrastructure remains a critical element for economic development in Nigeria, and the education sector is not isolated in this regard. As part of our investments to increase capacity in response to the growing market demand, our university needed a tailored solution that ensured a consistent power supply while also optimising our energy costs.

Nile University Nigeria

A Blueprint For The Education Sector

Nile University's pioneering investment in renewable energy marks a transformative step toward campus-wide energy sustainability and resilience. This bold initiative not only advances Nile University's environmental objectives but also aligns with national and global efforts to combat climate change.

The solar project directly addresses persistent challenges such as unreliable grid supply and escalating diesel costs, issues that often disrupt academic operations in Nigerian institutions. By ensuring consistent, clean power across its expanding campus, Nile University has laid a robust foundation for long-term energy independence, operational efficiency, and environmental stewardship in the higher education sector.

As Nigeria accelerates its transition toward a more sustainable energy future, Nile University stands out as a model for how educational institutions can adopt renewable energy at scale. Its success offers a blueprint for other universities across the country, demonstrating that clean energy solutions are not only environmentally necessary but also financially and operationally sound.

About Starsight Energy

The Starsight Energy Africa Group is an Africa-focused pure-play commercial and industrial ("C&I") renewable energy service provider covering the full scope of C&I projects, from rooftop projects to large-scale corporate Power Purchase Agreement ("PPA") backed projects, including power-as-a-service and cooling-as-a-service.

We provide carbon reduction, power security and cost savings to blue-chip clients in several key economic sectors, including agro-processing, education, financial services, data storage, healthcare, and manufacturing.

Our presence spans three key geographical hubs (Southern, Western and Eastern Africa) with operations in Nigeria, Ghana, Kenya, Namibia, South Africa, Tanzania and Uganda.

Our primary objective is to offer complete solar solutions at no upfront cost, enabling our clients to reduce their energy expenses, enhance energy efficiency, and reduce their carbon footprint.

For any enquiries, visit

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