

COMPANY NEWSLETTER

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SENTIMENTAL ENERGY

NOVEMBER EDITION



Editor's Note

Dear Readers,

As we approach the end of 2024, November has been a month of milestones worth celebrating. From powering a greenhouse in Isinya with solar energy to starting our solar streetlighting works along Limuru Road, we're lighting up lives in more ways than one.

We're also proud to spotlight our MD, Paul, featured in Business Daily's Top 40 Under 40, a recognition of his outstanding leadership and vision for sustainable energy.

Looking ahead, we're excited to bring solar power to Friends School Kamusinga, furthering our mission to empower schools with clean, reliable energy.

Here's to wrapping up the year with impact and gearing up for a brighter 2025!

Editorial Team.

Top News

1. Start of Limuru Road Streetlighting works.
2. Greenhouse solarization in Isinya, Kajiado County
3. Eng. Paul Simiyu featured in the Top 40 Under 40 Men on Business Daily Africa





MESSAGE FROM OUR DIRECTOR

Dear Friends,

As we near the end of 2024, I am filled with pride and gratitude for the milestones we've achieved together. This November has been particularly impactful, with projects that exemplify our commitment to delivering sustainable energy solutions that drive economic growth and improve lives.

One of the highlights this month has been the solar streetlighting works along Limuru Road, a transformative project that underscores the power of renewable energy in reshaping urban infrastructure. These lights are more than just a source of illumination; they are catalysts for economic activity, safety, and community vibrancy. Well-lit streets encourage longer business hours, boost local commerce, and provide a sense of security for residents and visitors alike. This is the essence of solar innovation—creating brighter, safer, and more economically active communities.

In Isinya, Kajiado, we completed the solar powering of a greenhouse, a project that beautifully showcases how solar energy supports agriculture. By providing farmers with a reliable, affordable power source, we enable them to lower operational costs, increase yields, and contribute to food security. It's deeply rewarding to see how this initiative not only empowers farmers economically but also strengthens their resilience to climate change.

On a personal note, I was honored to be featured in the Business Daily's Top 40 Under 40, a recognition that I accept with humility and immense gratitude. This acknowledgment is not just about me but about the incredible work we are doing together to revolutionize energy access in Kenya and beyond. It is a reminder of the impact we can create when innovation, collaboration, and a shared vision come together.

As we close the year, I want to extend my heartfelt gratitude to each of you. Whether you've partnered with us, engaged with our projects, or simply followed our journey, you've played a part in driving change. Together, we are building a cleaner, brighter future for all.

Here's to the successes of 2024 and an even more impactful 2025 ahead!

Warm regards,
Paul Simiyu
Managing Director, Sentimental Energy

TOP 40 UNDER 40, BUSINESS DAILY AFRICA

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Paul Simiyu Mabonga, 38

Managing director - Sentimental Energy Co Ltd

If Paul weren't revolutionising the adoption of sustainable energy as an engineer, he would be a farmer.

His fascination with energy was sparked in his rural village, where electricity was a luxury that only few could afford. Car batteries and solar modules were the only glimpses of power that fuelled his dream to one day make it accessible to all.

Today, he is the managing director at Sentimental Energy Ltd. His work, he says, is not just about technical excellence, it is about a deeper mission to bring sustainable energy to the underserved communities.

Before his current role, he served at Chloride Exide, an energy solutions provider, as a senior technical service engineer. There, he gained hands-on experience in renewable energy solutions. He then joined Solar Century, a UK-based firm, as a Regional Business Development Assistant Manager. The engineer agrees that these roles expanded his knowledge of solar tech-

nologies and provided international exposure, including advanced training in the UK. "In life you have to be a Jack of all trades. Monotony is a cycle of invention, but also, probably a recipe for quite a number of chaos in life."

His accolades?

Paul has a degree in Mechanical and Production Engineering from Moi University, with a major in energy. He also advanced his expertise with a Master's in Business Development and Strategic Management from Jomo Kenyatta University of Agriculture and Technology and is now pursuing another Master's in Sustainable Energy Transition Systems at Strathmore University in partnership with the University of Aberdeen in Scotland.

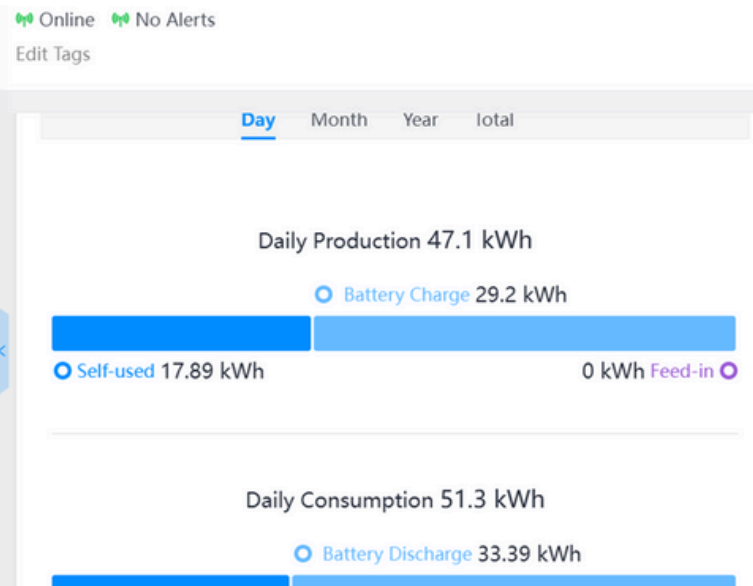
Among the projects he is proud to have delivered in transforming Kenya's urban landscape is collaborating with agencies such as the Kenya National Highways Authority to implement solar street lighting.

-Marlon Sitawa



ILFRED NYANGARESI

Harnessing the Power of the Sun for Sustainable Agriculture



Located in Isinya, Kajiado County, a greenhouse stands as a prime example of how solar energy can transform agricultural operations. Powered by a 29kWp solar system, the farm benefits from reliable, clean energy to run its machinery, water pumping systems, purification facilities, home appliances, and security systems—ultimately driving efficiency and sustainability.



Key Features & Benefits

- **Cost Savings:** With a daily energy demand of around 50kWh and a monthly consumption of 1530kWh, the client will now be able to save more than KSh 45,000 per month, translating to over KSh 500,000 annually. These savings go directly toward improving farm operations, making it more profitable and resilient.
- **Reliability & Efficiency:** Solar energy eliminates the risk of power outages, ensuring that critical operations, like water pumping and machinery, run smoothly without interruptions. This consistent energy supply is essential for maintaining high productivity on the farm, with no downtime from blackouts.

This is a shining example of how solar energy can be the driving force behind a more sustainable and profitable agricultural industry. By lowering operational costs and ensuring reliable power, this project shows that solar energy is not just a power source but a smart investment in the future of farming.

LIMURU ROAD SOLAR STREET LIGHTING WORKS ON TRACK!



We are excited to announce that the Limuru Road Solar Street Lighting Project is progressing as planned! This project marks another significant step in enhancing urban infrastructure while promoting sustainability. As part of the initiative, we are installing 42 Smartlight Power 365 double-arm units and 16 Smartlight Power 365 single-arm units along Limuru Road.

These advanced solar streetlights are designed to provide reliable, sustainable lighting along key sections of Limuru Road, improving safety for both pedestrians and drivers. Each light unit is powered entirely by solar energy, making it a cost-effective, eco-friendly solution that reduces reliance on the national grid.



In addition to their energy efficiency, the lights come equipped with remote monitoring features that allow for real-time performance tracking and management, ensuring that any necessary maintenance can be carried out swiftly, maximizing the system's lifespan and performance.

Beyond the technical advantages, these solar streetlights are set to have a major impact on public safety. The improved lighting will create a safer environment, reducing the risk of accidents and enhancing security for residents, commuters, and businesses along the road. With better visibility, the project aims to foster a greater sense of safety within the community.

As we continue with the installation, we are on track to complete the project as planned, bringing cleaner, safer, and more sustainable lighting to Limuru Road.

Stay tuned for updates as we light the way forward for a brighter, greener future!



Over 40Kwp Residential Solar PV Installations



November has been a remarkable month for residential solar PV installations, with Sentimental Energy completing systems totaling over 40kWp. Despite the heavy downpours experienced across the country, homeowners have continued to embrace solar energy, proving its resilience and reliability even in less-than-ideal weather conditions.



A common misconception is that solar energy struggles during cloudy or rainy weather. However, the reality is that solar panels generate electricity even on overcast days, albeit at reduced efficiency. With Kenya's consistent average of 4–6 peak sun hours per day, the systems installed this month ensured that homes received sufficient energy to meet their daily needs. Paired with advanced battery storage solutions, these systems provided uninterrupted power, guaranteeing energy availability regardless of the weather.

The financial benefits of these installations are evident. Homeowners who transitioned to solar have significantly reduced their electricity bills, cutting costs by up to 50%. With current electricity prices averaging KSh 26 per kWh, most homeowners achieve a full return on their investment within 4–6 years.



Reliability has also been a key driver for adopting solar, especially during a month where grid outages were more frequent due to the rains. For example, a client in Karen installed a 10kWp system with a 10kWh lithium battery. This setup powered their entire home for 8 hours during a prolonged blackout, ensuring that essential appliances such as refrigerators, security systems, and lighting remained functional. For these homeowners, solar energy has brought not only cost savings but also the peace of mind that comes with energy independence.

TELVIN MUTUA - MY REFLECTIONS ON ENERGY EFFICIENCY TRAINING



At Sentimental Energy, we believe that the strength of our company lies in the expertise and innovation of our people. That's why we actively foster opportunities for professional development and skill enhancement. This November, we proudly supported Telvin Mutua, one of our team members, as he participated in the Energy Efficiency Training Week organized by GIZ and the German envoy to Kenya.



The training, held over an intensive week, brought together industry leaders and energy professionals to explore sustainable energy solutions and energy efficiency best practices. For Telvin, this experience was both eye-opening and impactful, as he gained critical insights into optimizing energy systems, reducing energy losses, and embracing cutting-edge technologies for better efficiency.

Some of the key takeaways Telvin shared include the importance of using accurate data to identify energy challenges, leveraging new technologies like variable-speed drives to improve load profiles, and minimizing energy losses to maximize the potential of energy sources. These lessons align perfectly with our mission at Sentimental Energy—to deliver sustainable, reliable, and affordable energy solutions to our clients.

The training also emphasized collaboration, as participants worked together toward the shared goal of advancing energy efficiency. For Telvin, the week reinforced the power of teamwork and the importance of uniting efforts to drive sustainable change.

We are incredibly proud of Telvin's dedication to continuous learning and his commitment to applying these lessons to benefit our clients. By fostering such opportunities, Sentimental Energy ensures that our team remains at the forefront of innovation, equipped to deliver exceptional value and solutions in the ever-evolving energy landscape.

This training underscores our belief in the transformative power of education and collaboration. Together, we continue to light the way forward toward a more sustainable energy future.

Looking Ahead: Solarizing Friends School Kamusinga

As we wrap up November and reflect on the impactful projects we've delivered this month, we're excited to look ahead to a significant upcoming initiative—the solarization of Friends School Kamusinga.

This project is part of our ongoing Solar for Schools Campaign, which focuses on empowering educational institutions with clean, reliable, and cost-effective energy solutions. By transitioning to solar energy, Friends School Kamusinga will enjoy substantial reductions in electricity costs, freeing up resources to reinvest in their core mission of academic excellence.

The system we are installing will meet up to 75% of the school's energy needs, ensuring uninterrupted power for classrooms, laboratories, and dormitories. This means fewer disruptions to learning and a more comfortable, efficient environment for students and staff. Additionally, the project underscores the school's commitment to sustainability by reducing its carbon footprint and contributing to Kenya's renewable energy goals. We're proud to support institutions like Friends School Kamusinga in their journey toward energy independence. This installation is not just about saving costs—it's about creating a foundation for better education, improved infrastructure, and a brighter future for the next generation.

Stay tuned for updates as we bring this transformative project to life, empowering yet another institution with the boundless potential of solar energy.

We invite you to stay engaged with us as we continue to explore new initiatives and share success stories that highlight the transformative power of solar energy.

Together, let's pave the way toward a greener, more sustainable future for all.

FOR MORE INFORMATION:

visit: www.sentec ltd.com

Email: info@sentec ltd.com or marketing@sentec ltd.com

Call: +254725 445 459