

COMPANY NEWSLETTER

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SENTIMENTAL ENERGY

SEPTEMBER EDITION



Top News

1. Solar for schools initiative
2. Tailored solar solutions for rural areas
3. Project spotlight: Solar Water Pumping at Grandview Estate in Kamulu

Editor's Note

Dear Readers,

This month, we're excited to spotlight some incredible milestones. Our Solar for Schools initiative is helping institutions save up to 75% on electricity, allowing schools to reinvest in what matters most—education. We've also made strides in rural areas, where tailored solar solutions are transforming markets and communities, bringing light and opportunity where it's needed most.

Plus, don't miss our project spotlight on the solar water pumping system we installed at Grandview Estate in Kamulu, solving water supply challenges sustainably.





MESSAGE FROM OUR DIRECTOR

Dear Valued Partners,

Our commitment goes beyond providing reliable solar solutions. We believe in the **Productive Use of Renewable Energy**—using clean energy not just to meet basic needs but to drive economic growth, improve livelihoods, and support long-term sustainability. Whether it's schools reinvesting energy savings into their infrastructure or businesses cutting costs to boost productivity, solar energy has become a powerful tool in transforming how organizations function.

This approach has been key in projects like the solarization of Tyre Centre in Rongai, where renewable energy has reduced operational costs by 65%, enabling the business to reinvest savings into growth and expansion. In Grandview Estate, Kamulu, and farms in Kitui County, our solar water pumping solutions have cut water-related energy costs by up to 40%. This has allowed residents and farmers to manage their water supply sustainably while improving agricultural yields and efficiency.

We've also seen the Productive Use of Renewable Energy at work in rural markets like Ojibo, Nanderema, and Mumbaka in Busia County. Our solar street lighting projects have extended market hours, allowing traders to operate safely into the evening and boosting local economic activity. These are not just energy solutions—they are economic drivers that empower communities to grow and prosper.

As we continue to champion renewable energy for productive use, we are committed to delivering tailored solutions that create lasting value. By providing reliable and sustainable power, we enable businesses, schools, and communities to thrive, reduce their energy costs, and contribute to a greener, more resilient future.

Thank you for being a crucial part of this journey.

Eng. Paul Simiyu
Managing Director

PROJECT SPOTLIGHT: Grandview Estate in Kamulu



Water pumping can account for nearly 40% of energy costs in both residential and agricultural settings, posing a significant challenge for many households and farms. Recognizing this, Sentimental Energy is dedicated to offering innovative solutions that not only reduce costs but also ensure a sustainable water supply.

At Grandview Estate in Kamulu, we successfully installed a 7.7kWp solar water pumping system equipped with 10kWh of battery storage. This advanced system provides families with a consistent and reliable source of water, even during power outages. By switching to solar, residents have significantly lowered their electricity expenses while securing access to essential water for daily activities and gardening.

The impact of this project goes beyond mere cost savings. Families at Grandview Estate are experiencing greater water security, allowing them to maintain their gardens and engage in sustainable practices that enhance their quality of life. Additionally, the transition to solar power plays a crucial role in reducing carbon footprints, promoting a cleaner environment for future generations.

Our solar water pumping solutions represent a smart investment in both economic and environmental sustainability. By embracing this technology, communities can achieve greater resilience and independence, ensuring that water remains accessible and affordable.

30th September 2024

SOLAR FOR SCHOOLS INITIATIVE



We proudly attended the KPSA Lake Region Conference and Education Expo, Kiambu County Private Schools Meeting, and the Githurai Sub-County Private Schools Engagement Meeting bringing together over 300 school directors.

We showcased our solar solutions, tailored specifically to the needs of private schools facing increasing electricity costs, and demonstrated how schools can save up to 75% on their energy bills, allowing them to reallocate funds towards improving facilities, expanding learning resources, and supporting staff development.



Our value proposition also emphasized the long-term environmental benefits, noting that a typical solar installation for a school can reduce carbon emissions by up to 4,000 kg annually—equivalent to planting over 100 trees each year. In addition to the environmental impact, we discussed how solar energy can future-proof schools against rising energy costs while contributing to Kenya's renewable energy goals.



With a number of schools in these regions already benefiting from solar systems, we're committed to helping many more transform their operations through clean energy with tailored packages and flexible payment plans.

SOLAR HIGH MASTS IN BUSIA COUNTY



We're excited to share that in the month of September, we completed the installation of 3 new solar street lights at Ojibo, Nanderema, and Mumbaka markets in Busia County. The difference is already clear! These vibrant market centers are now brighter and safer, allowing local traders to extend their business hours well into the evening. With these installations, the markets are buzzing with activity after sunset, providing an economic boost to traders who rely on every extra hour of business.



But for us, it's more than just installing street lights—it's about empowering rural communities. By providing clean, reliable lighting, we are enabling these communities to grow, create new opportunities, and enhance safety. Local traders no longer have to close up shop early due to darkness; instead, they can continue thriving long after dusk.

These installations are just a small part of our broader commitment to lighting up rural areas across Kenya. We believe that access to reliable, affordable energy is essential for economic development and community well-being, and we're proud to be contributing to the transformation of these rural markets, one light at a time.

URBAN SOLAR STREET LIGHTING INITIATIVES

In a remarkable feat of civil and electrical engineering, we proudly handed over the street lighting works for the Dongo Kundu Highway to KeNHA, marking a new milestone in sustainable road infrastructure.

Building on the success of this project, we are excited to embark on two new urban lighting projects along Limuru Road and Sabaki Bridge. These upcoming installations will feature powerful, 100% solar street lights equipped with a vandal-proof system and a smart self-adaptive, programmable controller. Not only will these lights provide consistent, reliable illumination for motorists and pedestrians, but they are also maintenance-free for the first 10 years, ensuring long-term efficiency and reduced operational hassles.

Additionally, these solar streetlights will save energy costs by 100%, further enhancing the financial viability of urban infrastructure. Our initiatives aim to create safer roads and encourage extended business hours in adjacent areas while aligning with Kenya's push for greener, smarter cities.

We look forward to illuminating more of Kenya's roads and urban spaces with clean, cost-effective solar power.



Kitui Residential Solar Installation

We believe that everyone should have access to clean, reliable energy, no matter where they are. Recently, we completed an inspiring residential solar installation for a client in Kitui County, and the results have been remarkable.

Facing frequent power outages and high electricity costs, our client needed a dependable energy solution to power their home. We installed a tailored solar system that now provides uninterrupted power, drastically reducing their reliance on the grid. Not only has their energy independence increased, but the cost savings have been substantial—cutting electricity expenses by nearly 60%. The system powers essential household appliances, provides lighting, and supports home-based income-generating activities that were previously limited by unreliable power.



Solarization of Tyre Centre, Rongai

In Kenya, where energy prices are unpredictable and outages are frequent, solar provides a reliable and affordable solution for businesses. At Tyre Centre in Rongai, we recently installed a 12kWp solar PV system, cutting their grid dependency by 65% and drastically reducing electricity costs.

For Tyre Centre, this means not only saving on operational costs—where energy often takes up to 20%—but also ensuring continuous operations without the disruptions caused by power cuts. As more Kenyan businesses face rising utility bills, solar is emerging as a practical way to stay competitive and manage costs.

Tyre Centre's shift to solar highlights how local businesses can thrive by embracing this smart energy solution.





Employee Wellness and Training

We truly believe that our greatest asset is our people. This month, we took some time to focus on what matters most—our well-being. We hosted a friendly training session that covered the ins and outs of our medical cover benefits and highlighted the importance of mental wellness.



We know that navigating medical benefits can sometimes feel overwhelming, so we brought in our insurance partners from Jubilee Health Insurance to help break it all down. It was great to see everyone engaged and asking questions, ensuring they know how to make the most of their benefits. We also had heartfelt discussions about mental wellness, exploring practical ways to maintain a healthy work-life balance.

These initiatives are all about creating a supportive environment where everyone feels valued and empowered. We're committed to nurturing not just our skills but also our health and happiness. Together, we're building a workplace where we can all thrive—personally and professionally.

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.

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