



Sunculture solar R&C union

What does sunculture do?

At SunCulture, we strive to solve the biggest daily challenges of smallholder farmers. We use off-grid solar technology to provide our customers with reliable access to water, irrigation, lighting, and mobile charging, and we can do all of that with a single system.

What is sunculture doing in Africa?

SunCulture, a Kenyan climate tech startup, has raised \$12 million to enhance its solar irrigation solution in sub-Saharan Africa and provide hundreds of thousands of smallholder farmers access to Internet-of-Things (IoT)-enabled solar-powered irrigation by 2030.

Where is sunculture based?

With operations in Kenya, Uganda and Ivory Coast and distribution agreements in Ethiopia, Zambia and Togo, SunCulture runs on a "Pay-As-You-Grow" model. Out of the 700 million Africans dependent on small-scale farms, only about 4c/o have means of irrigation, suggesting a massive blow to production capacities and an over-reliance on the weather.

How many solar panels does sunculture sell?

So far, SunCulture has sold 47,000 irrigation units powered by solar panels. SunCulture is also looking to expand its offerings to include other farming services like soil tests and insurance. Got a tip? Our journalists are ready to dig deeper.

Does sunculture sell IoT-enabled solar irrigation equipment?

SunCulture sells affordable IoT-enabled solar irrigation equipment bundled with tailored advice and generates unique intelligence around usage/needs.

Who is Arnergy & sunculture?

Arnergy, a Nigerian cleantech startup, has raised \$3 million in funding from All On, an off-grid energy impact investment company, to scale and accelerate adoption. SunCulture focuses on helping farmers improve production capacity.

Become a part of the SunCulture community by signing up today. Get access to innovative solar irrigation solutions tailored to your needs. Join the revolution and transform your farming with our range of products and services. Contact us at ...

Explore SunCulture's journey through the eyes of leading media outlets. From Business Daily to BBC World Service, discover how our solar irrigation solutions are transforming agriculture and empowering smallholder farmers. Read about our groundbreaking innovations, strategic partnerships, and the impact we are making on sustainable farming. Stay updated with our ...

Our Impact Read through some of our success stories Empowering smallholder farmers with solar irrigation 0 K+ Farmers use SunCulture products We are the largest distributor of solar irrigation for smallholder farmers in Sub-Saharan Africa, with 50% market share in East Africa 0 % Lower costs vs. petrol & diesel irrigation We use carbon revenues [...]

Discover how SunCulture leverages IoT and community-centered design to develop efficient, clean, and reliable solar irrigation solutions for smallholder farmers in Africa. By replacing diesel and petrol water pumps with solar technology, SunCulture aims to reduce carbon emissions by 240,000 tCO₂eq annually and generate significant social benefits. Learn about our carbon ...

Co-founder of Netflix, Reed Hastings, and former Alphabet CEO, Eric Schmidt, have joined a funding drive for SunCulture, a Kenyan solar irrigation startup. SunCulture, based in Nairobi, secured \$27 million in investments, including contributions from Hastings and Schmidt's foundations, InfraCo Africa, and Acumen

The SunCulture investment closely aligns with the strategic priorities of PIDG and InfraCo Africa by scaling access to affordable, solar-powered irrigation systems which are designed to improve yields and farmers" ...

We have been using fossil fuels such as gas, oil, and coal to generate power from time immemorial. These non-renewable resources still have a very high demand in comparison to other renewable resources like Solar, air, and wind. Even though these sources of energy have plenty of cons, they still top the list and play [...]

SunCulture Kenya shall be claiming carbon credits from the sale of SunCulture solar pumps (which includes Solar PV panels and pumps) used for irrigation in the various regions of Kenya. SunCulture shall claim the credits for sales made as of 1st August 2020. Get the SunCulture App !

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(Nairobi, Kenya) SunCulture, a leader in technology solutions for smallholder farmers, last week announced the launch of two transformative products designed to boost the productivity of the world's 570 million smallholder farming families. RainMaker2 powered by ClimateSmart(TM) is a smart solar-powered irrigation kit that brings best in class precision ...

Discover the top 5 benefits of using solar water pumps for irrigation. Solar-powered irrigation systems provide cost-effective, sustainable, and reliable water solutions for farmers. Learn how these pumps enhance crop yields, reduce environmental impact, and empower remote areas with consistent water supply. Embrace efficient and eco-friendly ...

Upgrade your farm's irrigation with the ClimateSmart(TM) Battery with RainMaker 2C, perfect for farms



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under 2 acres. This powerful system offers a maximum head of 20m and a flow rate of 3.0m³/hour, providing efficient and reliable water ...

Nithio does so by lending directly to the off-grid solar sector through its financial intermediary, Nithio FI, as well as supporting other investors to scale their investments by better understanding consumer credit risk. Learn more at About SunCulture SunCulture is a climate-smart agriculture company for smallholder farmers.

Boost your farm's productivity with the ClimateSmart(TM) Direct with RainMaker 2CK, ideal for farms under 2 acres. This powerful solar irrigation system offers a maximum head of 30m and a flow rate of 2.75m³/hour, ensuring efficient water distribution. Enhance your setup with optional addons like a double-panel solar stand. Choose a sustainable and reliable solar irrigation solution that ...

British International Investment and Shell Foundation approve \$2.6m carbon credit pilot investment to scale supply of solar irrigation in Kenya. Investment will allow SunCulture to provide a 25-40 per cent reduction in upfront product cost and reach an additional 9,000 smallholder farmers. Smallholder farmers in Kenya produce 78 per cent of the country's food; only ...

Join SunCulture in solving the daily challenges of 570 million smallholder farming households. Partner with us to enhance access to renewable energy solutions and build a CO₂-neutral future. Discover our innovative solar irrigation products and how they transform agriculture. Work with established organizations to deploy sustainable energy across Africa and beyond.

About Us Get to know SunCulture At SunCulture, we strive to solve the biggest daily challenges of smallholder farmers. We use off-grid solar technology to provide our customers with reliable access to water, irrigation, lighting, and ...

At SunCulture, we strive to solve the biggest daily challenges of smallholder farmers. We use off-grid solar technology to provide our customers with reliable access to water, irrigation, lighting, and mobile charging, and we can do all of ...

The SunCulture investment closely aligns with the strategic priorities of PIDG and InfraCo Africa by scaling access to affordable, solar-powered irrigation systems which are designed to improve yields and farmers' incomes, promoting economic development whilst driving down CO₂ emissions.

We use off-grid solar technology to provide our customers with reliable access to water, irrigation, lighting, and mobile charging, and we can do all of that with a single system. At SunCulture, we strive to solve the biggest daily challenges ...

Elevate your irrigation efficiency with the ClimateSmart(TM) Direct with RainMaker 2S. Perfect for farms under 1 acre, this solar water pump delivers a maximum head of 30m and a flow rate of 1.1m³/hour. Powered by a robust solar panel, it ensures sustainable water management. Optional addons include a

single-panel solar stand. Invest in a reliable, eco-friendly solar irrigation ...

Carbon Leveraging IoT and community-centered design framework SunCulture develops and commercializes efficient, clean, and reliable irrigation solutions for smallholder farmers in Africa. The project helps irrigate the crops all year round. SunCulture believes that agriculture is such a crucial part of the global economy, and as half of all food produced today is grown using [...]

Paired with SunCulture's ClimateSmart(TM) Solar Energy System, RainMaker2 operates reliably during extended cloudy periods, enables pumping during the afternoon and evening for increased irrigation effectiveness, and drives high-pressure sprinkler irrigation systems directly without the need to install expensive water tanks.

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