

KENYA COLD CHAIN ACCELERATOR (KCCA) PROJECT SPOTLIGHT

Savanna Circuit

SOLAR THRIVE cold chain innovation

About the project

Savanna Circuit is expanding their decentralised, solar-powered cold chain solution, SOLAR THRIVE, designed for Kenya’s dairy and fisheries sectors. Developed through the Efficiency for Access Research and Development Fund’s Agritech Call, SOLAR THRIVE brings together Savanna’s in-house technologies, including solar-powered chillers, electric vehicles, ice water dispensers and their mobile milk storage units known as Nomad Cans, with digital traceability tools and cooperative-led service models.

Dairy farmers and fishers in rural areas currently lose 25–40% of their products due to a lack of reliable cooling, which reduces incomes and limits access to markets. SOLAR THRIVE aims to cut these losses, increase earnings, and open doors to premium buyers through affordable, clean energy-powered cooling. The project will also deliver training to build local skills in cold chain management and digital finance.

Savanna Circuit has already deployed more than 1,000 units across 26 counties in Kenya, helping to preserve 12 million litres of milk every year. With proven technology and strong partnerships, this initiative has the potential to scale widely and support more climate-smart, resilient food systems across the country, powered solutions. Training will strengthen local capacity in cold chain operations and digital finance. Savanna Circuit has already deployed 1,000+ units across 26 counties in Kenya, preserving 12 million litres of milk annually. With proven technology and strong partnerships, this initiative offers a scalable, climate-smart model for sustainable food systems.

“KCCA strengthens our ability to build and deploy at scale. It supports our manufacturing, digital monitoring, and field teams so SOLAR THRIVE can move from a proven system to reliable, everyday infrastructure. This partnership helps us deliver cold-chain equipment that works consistently, in real conditions, for the people who depend on it.” - Mr. Percy Ptoo, CEO, Savanna Circuit



Company

Savanna Circuit

Organisation Founded

2017

Counties

Kisumu, Muranga and Meru, Kenya



[Learn more about the KCCA](#)

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