

Achievement in Sustainable Development: Food, Water and Land

Connecterra Ida Dairy Farmers AI Assistant, Netherlands

Over 6 billion people worldwide consume milk-based products. Alongside increasing demand, farmers face pressures relating to food traceability and animal welfare conditions. Ida, developed by Connecterra, is an artificial intelligence system that helps dairy farmers increase productivity and welfare transparency, while reducing labour costs.

DCM Shriram Meetha Sona Sugarcane Programme, India

Launched in 2014, the Meetha Sona programme promotes green agronomy practices in the Indian sugarcane industry. By improving the technical knowledge of several thousand smallholder farmers, Meetha Sona has increased farm yields by 25% and added US \$20 million dollars to India's local, rural economy.

eWATERpay IoT Pre-Payment Meters, UK

According to the World Bank, over 46% of rural water points in Tanzania are non-functioning, due to lack of maintenance. The situation is similar in many other Sub-Saharan countries. Using mobile, Internet of Things and NFC technologies, eWaterPay provides a low-cost means of monitoring water usage and system functionality, allowing operators to respond rapidly to faults.

SilverStreet Capital Poultry Value Chain Initiative, UK

SilverStreet Capital, through its portfolio company Silverlands Tanzania, invests in small-holder poultry farmers, providing much-needed equipment and resources. The venture has helped to stimulate the formerly stagnant Tanzanian poultry industry, benefiting tens of thousands of grain and poultry farmers.

Stanley Black & Decker Clean Tech Pump, US

Over 25 million agricultural pumps are used in India, yet most of these are erratic or reliant upon diesel fuel. The Stanley Black & Decker Clean Tech Pump is a solar-powered solution that efficiently and reliably supplies water to rural farms, helping farmers regulate irrigation and yield multiple harvests throughout the year.

SunCulture RainMaker Irrigation System, Kenya

Only 4% of Africa's quarter-million hectares of potential farmland is currently irrigated. The RainMaker, by SunCulture, provides an affordable irrigation system which uses solar power to collect and distribute water across farmland. Farmers using the RainMaker system have reported an average increase in crop yield of 300% per year.

Twiga Foods B2B Marketplace, Kenya

Twiga Foods is a mobile, business-to-business platform that brings technology, farmers and food vendors together. By consolidating and streamlining procurement and logistics, it helps to increase the purchasing power of food retailers while providing farmers with stable markets and minimising post-harvest losses.