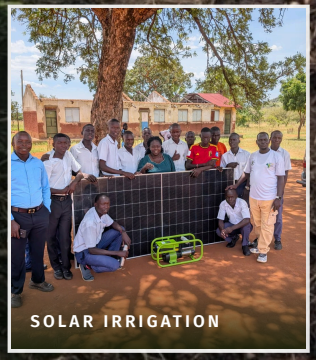
GRACIOUS REDWOODS

UGANDA | SMART IRRIGATION | SINCE 2017

Smart Water. Thriving Farms.

Climate-smart irrigation and water infrastructure for Uganda's farmers, schools, cooperatives and communities.


WATER DEVELOPMENT


SOLAR IRRIGATION


PRECISION AGRICULTURE



Waiting for rain.

ONE SEASON · ONE CHANCE

THE CHALLENGE

Most Ugandan farms still wait for the rain.

And the rain no longer keeps its schedule.

Agriculture employs the majority of Ugandans and feeds the nation, yet almost all of it depends on two rainy seasons. When those seasons start late, end early or arrive as floods, a whole year's income goes with them.

Fertile land, reliable sunshine and water within reach exist across the country. What is missing is the system that connects them: the pump, the energy, the pipework, the know-how and the finance.

RAIN-FED RISK

One planting window, one harvest, one chance. Drought or erratic rainfall wipes out yields and leaves land idle for months.

COSTLY ENERGY

Diesel pumps are expensive to run and maintain. Grid power rarely reaches the farm. Irrigation stays out of reach.

NO DATA

Farmers water by guesswork, lenders cannot assess risk, and programmes cannot prove results without field records.

Each of these is a solvable engineering problem. **Gracious Redwoods** was built to solve them.

WHO WE ARE

A Ugandan agribusiness built around one resource.

Water.

Gracious Redwoods Company Ltd is a climate-smart agribusiness and sustainable development company, founded in Uganda in 2017. We design, install and support solar irrigation and water systems that let farmers produce all year round, and we build the data, market and finance links that keep those systems paying for themselves.

Our name carries our standard: *gracious* means courteous, kind and honest. That is how we work with farmers, institutions and partners in the field.

ESTABLISHED	2017 · Registered in Uganda
HEADQUARTERS	Kampala, Uganda · field operations nationwide
CORE FOCUS	Solar irrigation · water development · precision agriculture
ALSO DELIVER	Farmer data systems · market linkages · school nutrition · agroforestry
WE SERVE	Farmers & cooperatives · schools · local governments · development partners

Growing Communities.
Sustaining Futures.

PURPOSE & LEADERSHIP

VISION

To become a leading African company advancing sustainable agriculture, water security, environmental stewardship and inclusive economic growth.

MISSION

To empower communities, institutions and farmers through innovative climate-smart solutions that improve livelihoods, increase productivity and create lasting impact.

VALUES

Freedom · Equality · Trust · Community Collaboration · Unity

Applied with honesty, care and close supervision on every site.



MESSAGE FROM THE MANAGING DIRECTOR

"At Gracious Redwoods, we believe sustainable development begins with practical solutions. Our focus is creating resilient communities through water access, food production, environmental conservation and market-driven agriculture. A farm with reliable water is a farm that can plan, borrow, invest and grow."

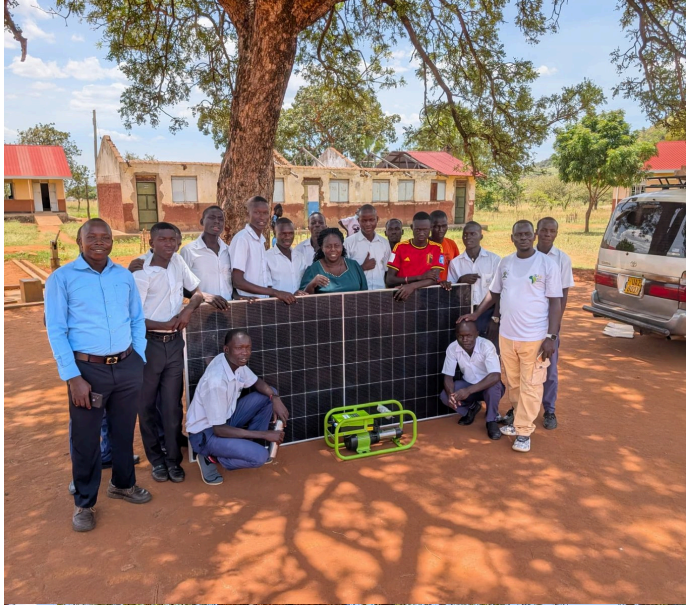
MANAGING DIRECTOR · GRACIOUS REDWOODS COMPANY LTD

SMART & SOLAR IRRIGATION

Water, sun and data, working as one system.

Not a pump in a field. A designed solution.

Solar irrigation is the core of what we do. We replace the fuel bill with a solar array, size the pump to the water source and the crop, and deliver water precisely through drip or sprinkler lines. Systems are designed after a site survey, never off a price list.



01

SOURCE

Borehole, river, valley tank or harvested rain, tested and yield-sized.

02

SOLAR PUMP

PV-powered surface or submersible pump. No diesel, no fuel bills.

03

STORAGE

Elevated tanks and reservoirs for gravity pressure after sunset.

04

SMART CONTROL

Controllers, timers and soil-moisture sensing to water on demand.

05

FIELD DELIVERY

Drip, sprinkler or rain-hose matched to crop, soil and slope.

06

DATA & CARE

Training, monitoring and after-sales service for the system's life.

ENERGY	Solar PV · no diesel, no grid dependence, near-zero running cost
PUMPING	Surface and submersible solar pumps, sized to source yield and head
DELIVERY	Drip · sprinkler · rain-hose · gravity-fed from elevated storage

CONTROL	Timers, valves and soil-moisture monitoring for on-demand watering
CROPS	Horticulture · fruit · coffee · seed and cereal production · nurseries
OUTCOME	**Two to three production cycles a year** instead of one rain-fed season

The result: year-round production, lower running costs and far less water wasted than flood or hand watering.



IN THE FIELD

Underground water storage tank built for year-round supply.

WATER DEVELOPMENT

No irrigation scheme is better than its water source.

So we start underground.

Reliable water is the foundation of every system we build. We develop, protect and store water for farms, schools and communities, so that irrigation, livestock and household needs are met from the same secure supply.

BOREHOLES

Hydrogeological siting, drilling supervision, yield testing and solar pump installation for deep and shallow wells.

VALLEY TANKS & DAMS

Surface water capture for farms and communities, designed for seasonal storage and livestock access.

RAINWATER HARVESTING

Roof and ground catchment for schools, homes and farm buildings, turning rain into a dry-season reserve.

STORAGE & RETICULATION

Elevated tanks, reservoirs and pipe networks that move water to the field, the tap and the kitchen.

CLIENTS
Farms · schools · cooperatives · local governments

SCOPE
Survey · design · supervision · installation · handover

ENERGY
Solar-powered pumping as standard

Water for the crop. Water for the school. Water for the home. One well-designed source can serve all three.

PRECISION AGRICULTURE & DATA

Smart farming runs on information.

We collect it at the farm gate.

Irrigation becomes truly smart when decisions are driven by data. We register and profile farmers, map their plots and track what is planted, watered and harvested, giving farmers, lenders and programme managers the evidence they need.

REGISTRATION	Farmer registration and profiling, individual and group-based
MAPPING	GPS plot mapping, acreage and crop records
MONITORING	Soil moisture, water use and system performance in the field
DIGITAL SYSTEMS	Farmer databases built for programmes, cooperatives and buyers
REPORTING	Yield, adoption and impact reports for partners and financiers

EVERY
Farmer registered.

EVERY
Plot mapped.

EVERY
System monitored.

ONE RECORD · THREE DECISIONS

The farmer
knows when to irrigate.

The bank
knows whether to lend.

The partner
knows the programme is working.



SOLUTIONS RANGE & DELIVERY

One engineering approach. Three scales of solution.

From a family's half-acre vegetable garden to a school farm or a cooperative's scheme, the same principles apply: right-size the source, the energy and the delivery, then support the system for its working life. **Designed per site, quoted after survey.**



TIER 01	TIER 02	TIER 03
SMALLHOLDER SOLAR KIT	**COMMERCIAL FARM SYSTEMS**	**INSTITUTIONAL SCHEMES**
SCALE: Household and small plots	SCALE: Multi-acre commercial farms	SCALE: Schools · groups · communities
ENERGY: Portable or fixed solar pump	ENERGY: Solar array · submersible pump	ENERGY: Solar borehole · storage
DELIVERY: Drip kit · rain-hose	DELIVERY: Drip · sprinkler · fertigation	DELIVERY: Gravity network · drip blocks
FINANCE: Pay-as-you-go via partners	FINANCE: Asset & concessional finance	FINANCE: Programme & partner funded
VEGETABLES · NURSERIES · YOUTH ENTERPRISES	HORTICULTURE · FRUIT · COFFEE · SEED	SCHOOL FARMS · COOPERATIVES · LOCAL GOV'TS

How we deliver: from site survey to first harvest.

NOTHING HANDED OFF · NOTHING GUESSED

1. **SITE SURVEY** — Water source, soil, slope, crop plan and goals, measured on site.
2. **SYSTEM DESIGN** — Crop water demand, pump and array sizing, layouts and bill of quantities.
3. **FINANCING** — We package the investment and connect clients to finance partners.
4. **INSTALLATION** — Supervised installation, pressure testing and commissioning.
5. **TRAINING** — Operation, scheduling, agronomy and basic maintenance.
6. **AFTER-SALES** — Follow-up visits, monitoring and servicing so it keeps producing.

One accountable team from first visit to full harvest.

SURVEY → DESIGN → FINANCE → INSTALL → TRAIN → HARVEST

FINANCE FACILITATION

The best system is the one a farmer can afford to own.

We make it bankable.

Upfront cost is the biggest barrier to irrigation in Uganda. We turn a farmer's plan into a credible investment case and link it to finance partners who understand agriculture and clean energy.

INVESTMENT CASE
Costed designs, production plans and cash-flow projections lenders can assess with confidence.

FINANCE LINKAGE
Introductions to agricultural, asset and clean-energy financing through our partners.

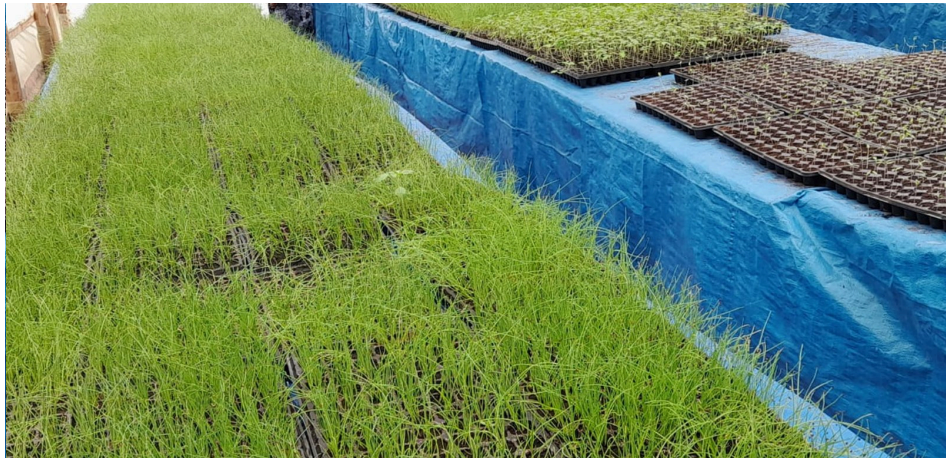
PAY AS YOU GROW
Flexible solar pump ownership that lets smallholders pay from the harvests irrigation creates.

PLAN → FINANCE → INSTALL → HARVEST → REPAY FROM YIELD

FINANCE & ENERGY PARTNERS

Centenary Bank	UECCC	Tulima Solar

> *Together with farmer organisations, processors, development partners, schools and local governments across Uganda.*



INTEGRATED VALUE CHAIN

Irrigation is where we start. It is not where we stop.

AGGREGATION & MARKETS
Bulking produce and linking farmers to processors and buyers.

SCHOOL NUTRITION
Irrigated school gardens that feed learners year-round.

AGROFORESTRY
Tree planting that protects soils and water catchments.

MUSHROOM PRODUCTION
Controlled-environment, high-value small-space enterprises.

AGRIBUSINESS ADVISORY
Enterprise planning, agronomy and project management.

STRATEGIC CONSULTANCY
Support for institutions, cooperatives and agribusinesses.

One partner for water, production, markets and growth.

WHO WE SERVE

Field-proven. Farmer-centred. Accountable for results.

FARMERS
Smallholder and commercial producers moving beyond rain-fed farming.

COOPERATIVES
Shared schemes, collective purchasing and aggregation.

SCHOOLS
Water supply, school farms and nutrition programmes.

LOCAL GOV'TS
District water and agriculture programmes on the ground.

DEV. PARTNERS
Implementation, data and reporting for funded programmes.



WHY GRACIOUS REDWOODS

- **Strong field implementation.** Our teams work on the farm, not from a catalogue.
- **End-to-end delivery.** Water, energy, irrigation, data, finance and markets from one partner.
- **Strategic partnerships.** Alongside agricultural, energy and financial institutions.
- **Transparent operations.** Clear designs, honest quotations and open reporting.
- **Measurable impact.** Every project tracked by data, so results can be repeated.

IMPACT & PARTNERSHIPS

Measured in harvests, not in hardware. More food on the table, more household income, more learners fed and more land restored.

FOOD SECURITY · WATER ACCESS · RENEWABLE ENERGY · YOUTH JOBS · SCHOOL FEEDING · RESTORATION · FARMER INCOME

Sasakawa Africa Association	Agricultural extension & farmer development
Tulima Solar	Solar energy & productive-use technology
UECCC	Renewable energy finance
Centenary Bank	Agricultural & asset finance

Have a farm, school or programme that needs reliable water?

LET'S SURVEY YOUR SITE →

GRACIOUS
REDWOODS

From the water source
to the solar pump
to a harvest in every season.

ADDRESS

Gracious Redwoods Company Ltd
P.O. Box 210426
Kampala, Uganda

TELEPHONE

+256 703 943 262

EMAIL

graciousredwoodcompany@gmail.com

WEB

www.graciousredwoods.com

SOLAR IRRIGATION | WATER DEVELOPMENT | PRECISION AGRICULTURE | BUILT FOR UGANDA'S FARMERS

