

AGRIWORKS

The logo for AGRIWORKS features the word "AGRIWORKS" in a bold, green, sans-serif font. A horizontal line is drawn beneath the text. To the right of the text, there is a white outline of the map of Uganda, which overlaps the end of the word and the line.

A NEW CLASS OF IRRIGATION FOR AFRICAN FARMERS

AGRIWORKS UGANDA

Why Irrigation?

Huge returns to irrigation on high value crops (vegetables, fruits, etc.)
In Uganda: Over 5,000 USD per season per acre in profit from irrigated vegetables is possible

Our goal is to be the leading provider of irrigation solutions for smallholders in East Africa.



Agriworks is the result of over 5 years of R&D for this smallholder irrigation in East Africa.

The Problem:

The 'Missing-Middle' in Irrigation Technology

Current Solutions:

- Various solutions for farmers in easy to irrigate places (e.g. treadle, rope, hip pumps)
- Few solutions suited for plots upslope from water, or for small commercial acreages (1 – 10 acres)

How to get a farmer from irrigating 1/10 acre to 2 acres?
(and from \$250 per year to \$4,000 per year)

The Solution

Innovative **technology** and **business model**

The Technology

- Mobile: Farmers share the cost
- Modular: Customizable
- Turn-Key: Easy to use and Scalable

The Business Model:

- Asset-Leasing: Down payment plus 3 repayment installments.
- Clients match income from equipment with repayments for technology
- Group Loans: Social capital
- Lease process: Forms and due diligence done from the village

The Product

Two major selling points that fit the smallholder.
Our systems are **mobile** and **modular**.

Mobile:

- 1-6 farmers can share the cost of a system which moves from farm to farm
- Store it at home at night to prevent theft

Modular:

- Attach more technology to the system as you earn money from it.
No need to buy a new system to expand
- Pipes, sprinklers, drip-lines, etc...

Turn-key:

- Use it anywhere with surface water within 260 meters
- No need for site-specific design
- Easy to Use: Learn it in one day

The Product

AGRIWORKS MOBILE IRRIGATION SYSTEMS (AMIS)

6 fully compatible components

'AMIS-Foundation / AMIS-50 / AMIS-Extra':

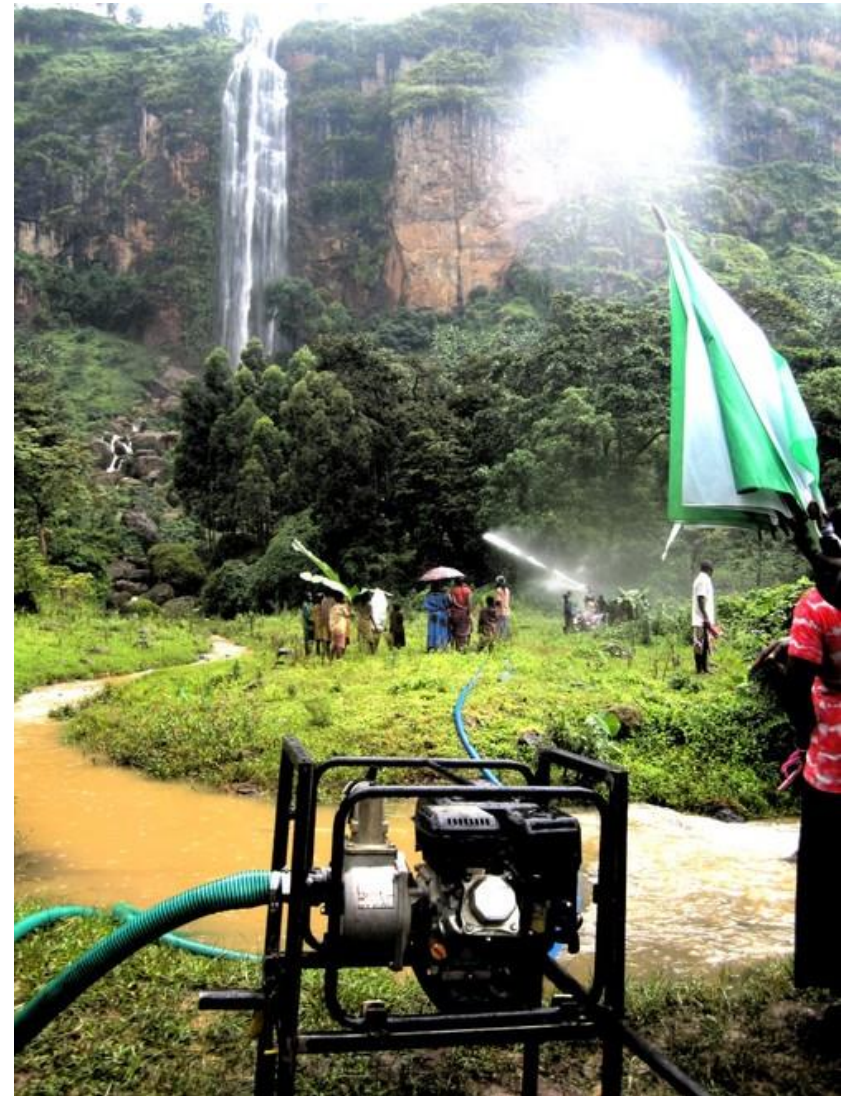
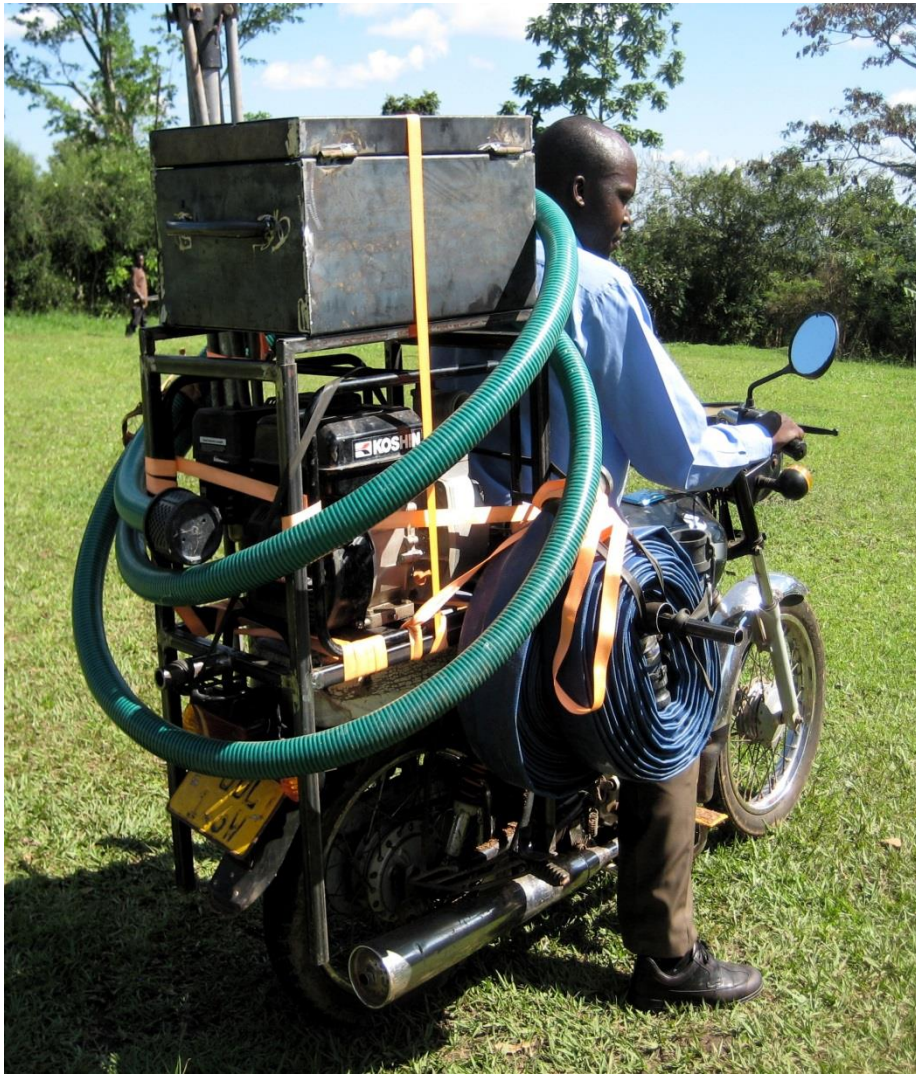
A water delivery system that rides on a small motorcycle. It delivers water up to 200 meters+ from a water source and connects to other AMIS components. Also available with a bigger pumps for customers with greater power need ('50' & 'Extra')

Additional Components:

'AMIS Mvua-Kali': Rain gun attachment for up to 6 acres

'AMIS-Impact': Smaller sprinklers for irregular shaped plot & orchards

'AMIS Drip': Drip irrigation set for highly efficient irrigation



The Business Case for AMIS Users

Average Irrigation Requirement:

10 hours per week per acre: \$250 - \$300 per season
(Can be less than half with rainfall + supplemental irrigation)

Typical Profits per Season with Pressurized Irrigation:

\$1,500 - \$4,000 per acre

Payback Period:

1 – 2 seasons

Expected 5-year Return on Investment

430.% +

The Business Case for AMIS Users

Typical Irrigation Capital Costs

-\$4000 – \$8000+ per hectare for competing pressurized irrigation systems

-Less than \$800 per hectare with Agriworks Mobile Irrigation



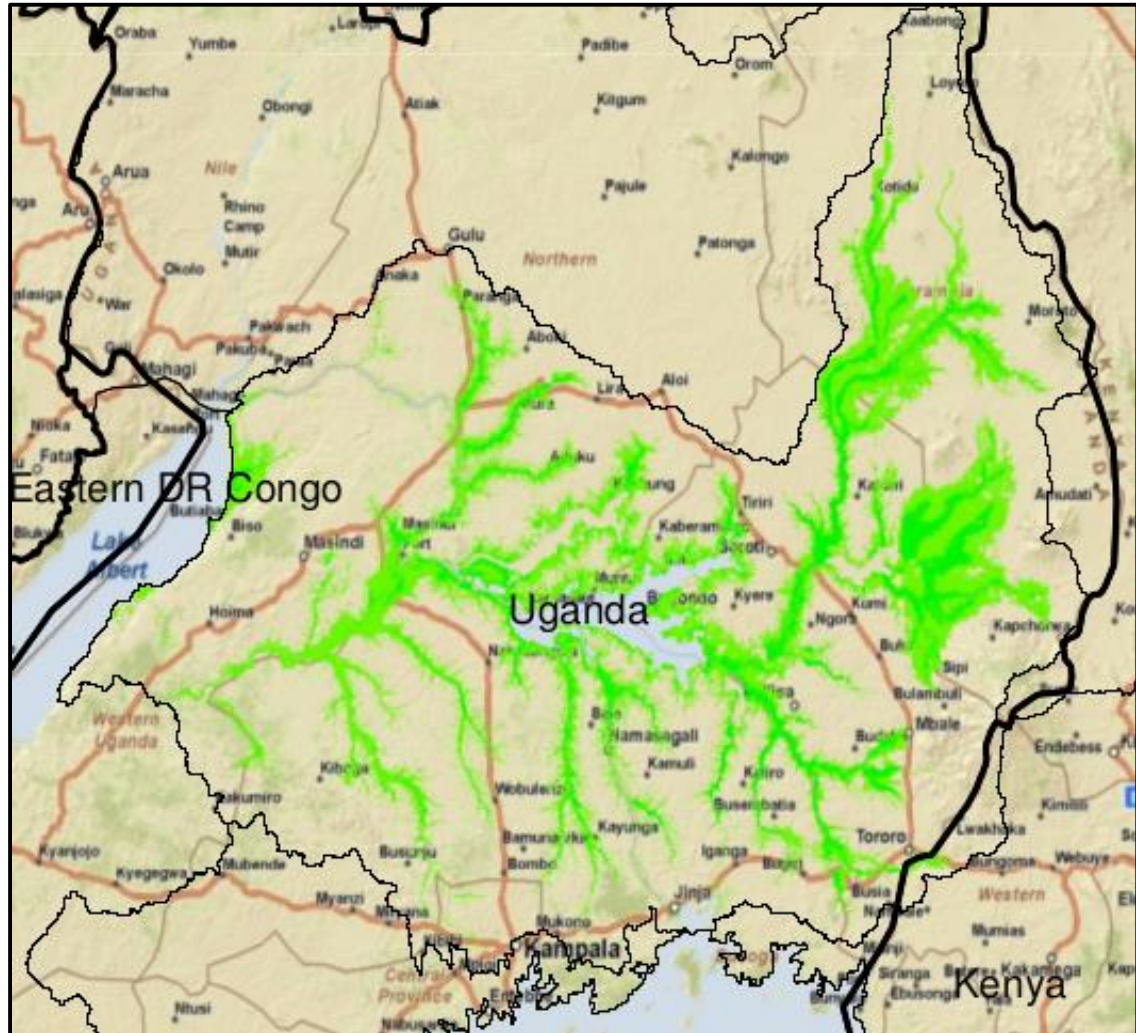
Growth Potential

Irrigation Potential

- 500,000 –2,000,000+ ha high-potential irrigable land in Uganda
- Less than 3% currently irrigated

Table 21. Suitability classes Victoria Nile Basin.

Suitability	Irrigation potential (ha)
0 - 10%	4,288
10 - 20%	164,594
20 - 30%	381,725
30 - 40%	1,850,706
40 - 50%	2,309,181
50 - 60%	2,232,894
60 - 70%	1,594,863
70 - 80%	393,963
80 - 90%	0
90 - 100%	0
Total >60%	1,988,825



Thank You

CONTACT:

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