



SANERGY
sustainable sanitation
in urban slums

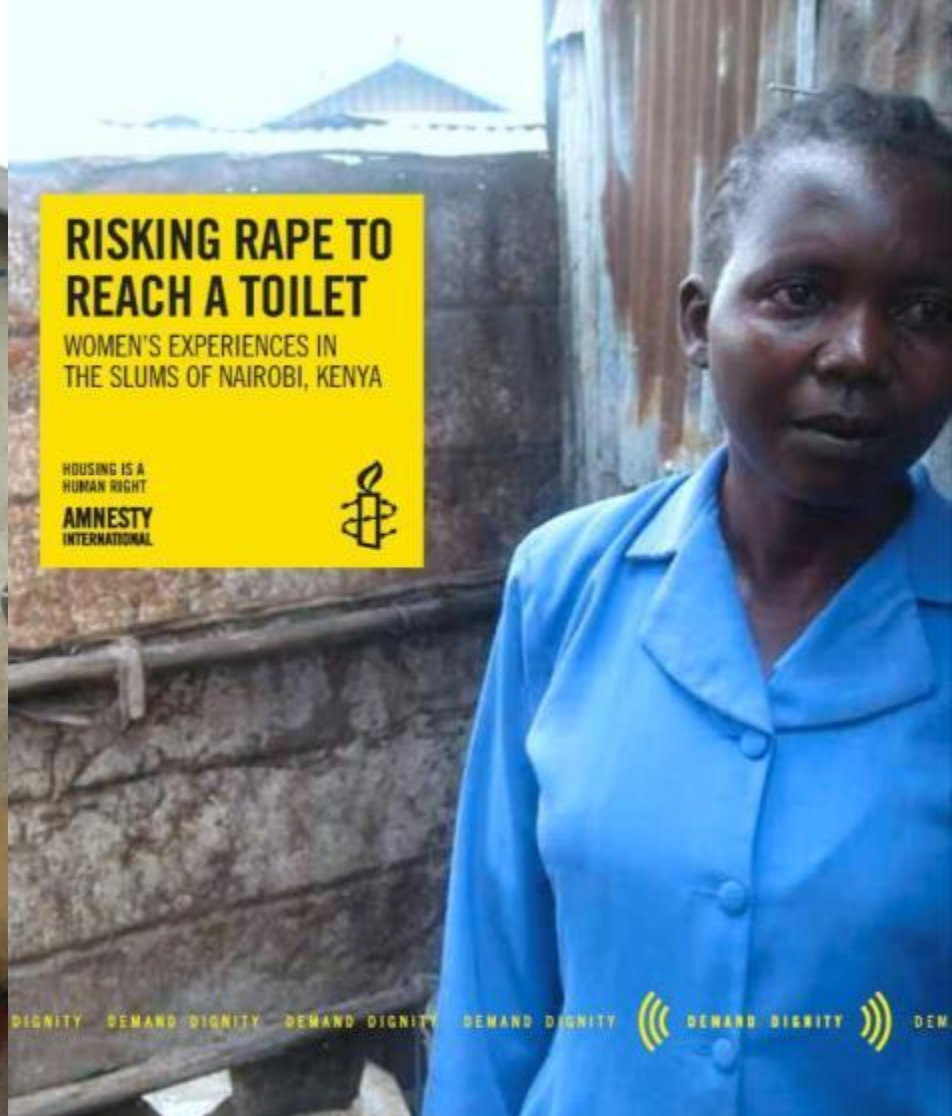


2.5 billion
worldwide

photo: wikipedia



8 million
slums of Kenya



public toilets

pit latrines





**flying
toilets**

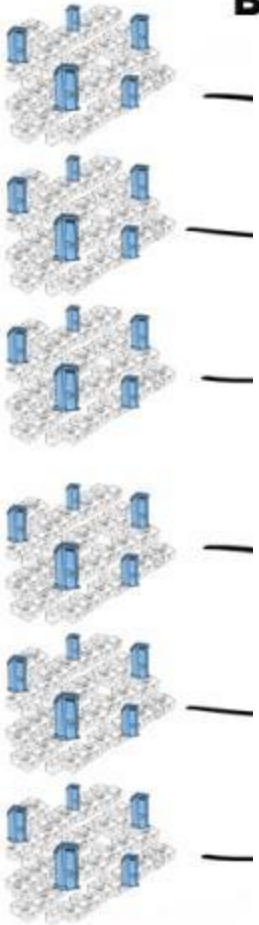


**4 million
tons**

fecal sludge / year

photo: World Bank

BUILDING AN INTEGRATED SANITATION VALUE CHAIN

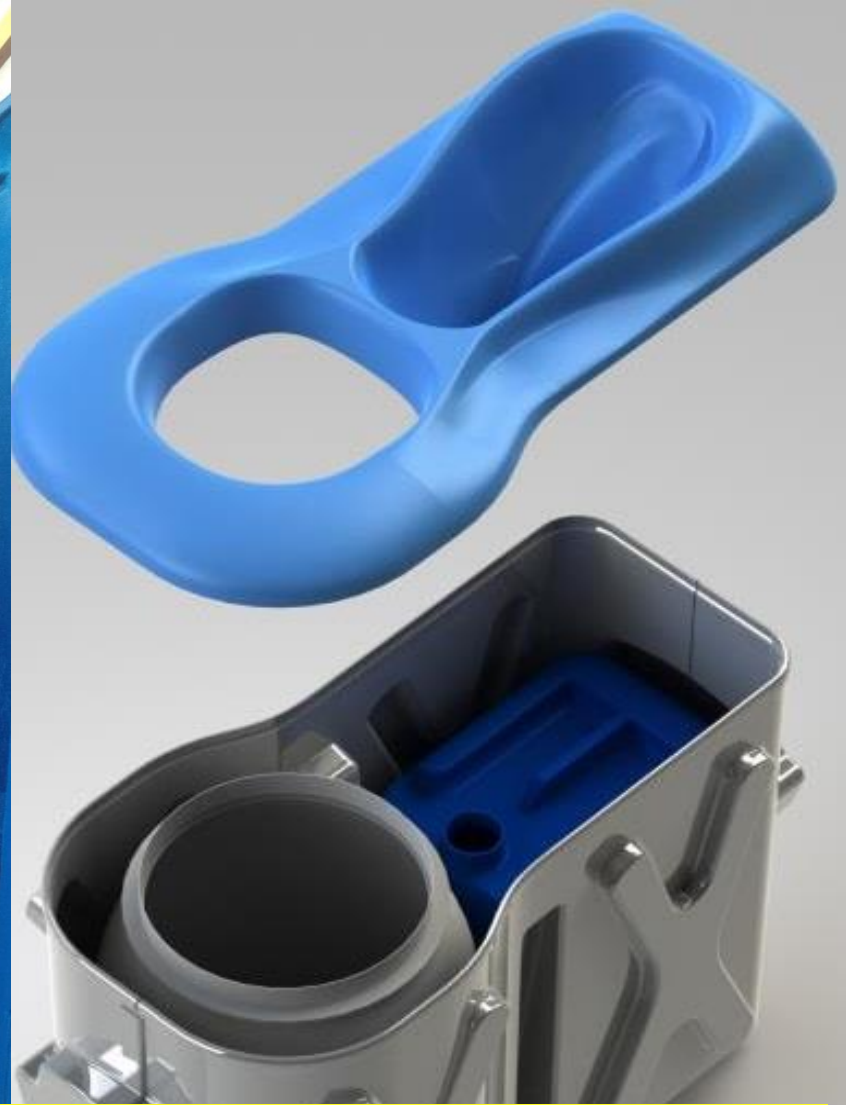


SANITATION
FACILITIES

At each step, we create jobs and opportunity, while simultaneously addressing serious social, environmental and economic needs.



Fresh Life
Toilets



**hygienic and
easy to clean**



safe & easy
waste removal

business

in-a-box





**aspirational
marketing**

branding support



**Fresh
Life**



**Fresh
Life**

JOIN OUR MOVEMENT
CALL: 0788 511 824

JOIN OUR MOVEMENT
CALL: 0788 511 824



business support

M-Shwari Savings Account

Why Save?

Fresh Life recommends saving just 75% every other day will allow you to reach your loan repayment without having to find a large sum at the end of the month!

You will also be able to earn interest and save for other large purchases.





**finance
support via Kiva**

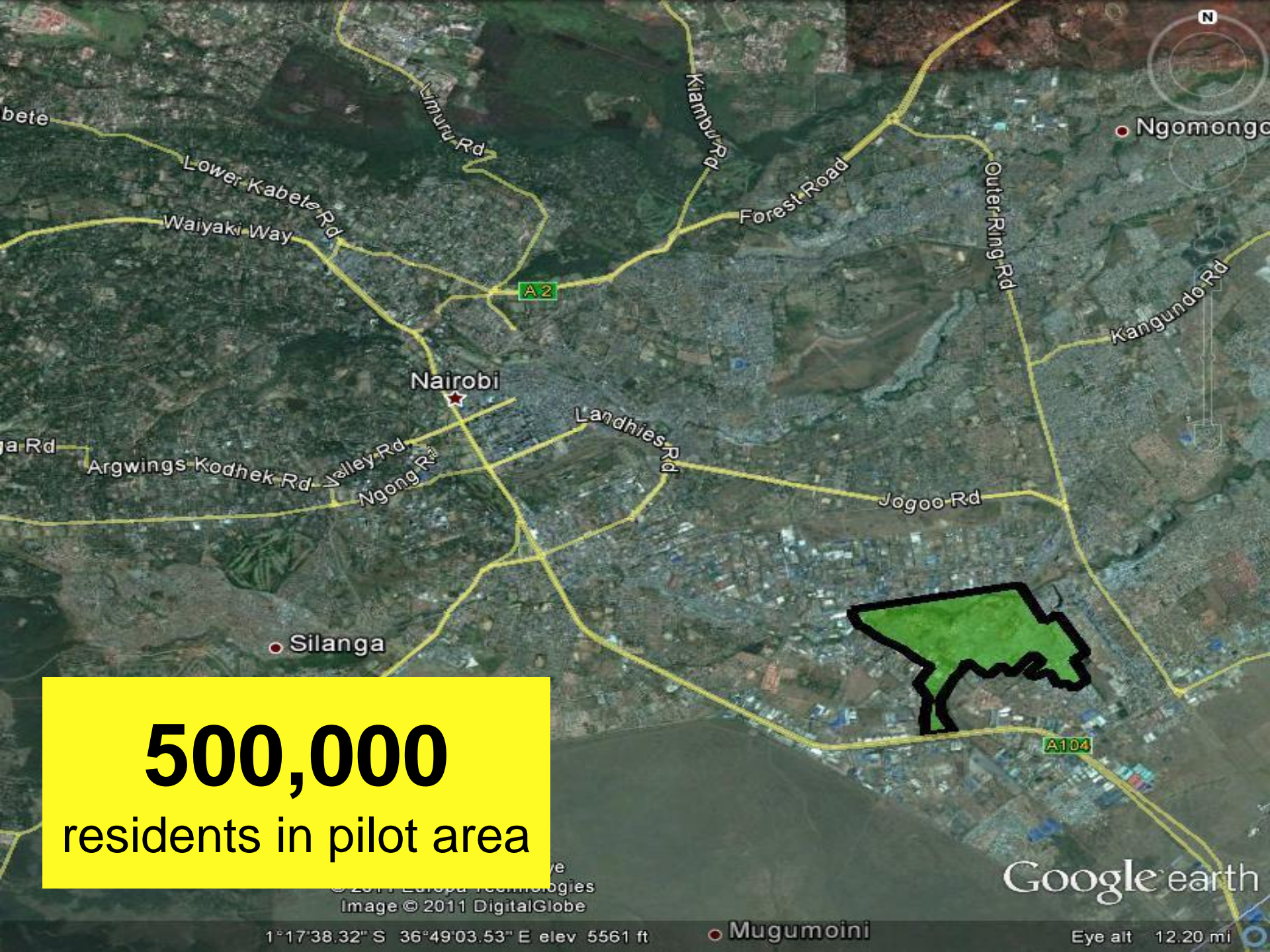


Fresh Life Economics

50 users / day * \$0.06 / use	\$3
Cost of operating FLT / day (soap, water, toilet paper, sawdust) / day	\$0.30
PROFIT / day	\$2.70
PROFIT / year	\$1000

steady income

by charging a nominal usage fee



500,000
residents in pilot area

© 2011 Europa Technologies
Image © 2011 DigitalGlobe

Google earth

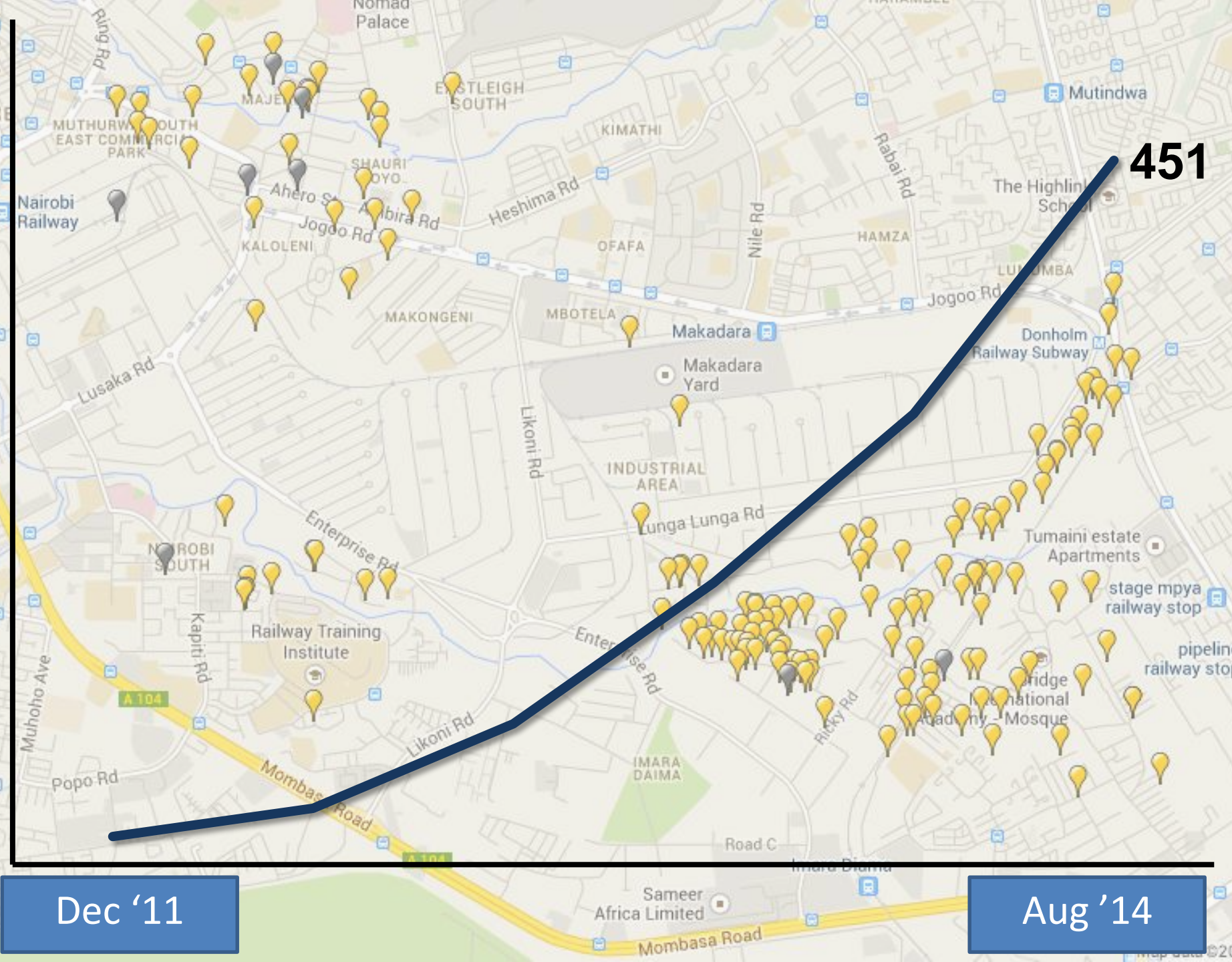
1°17'38.32" S 36°49'03.53" E elev 5561 ft

Mugumoini

Eye alt 12.20 mi

toilets

451



Dec '11

Aug '14

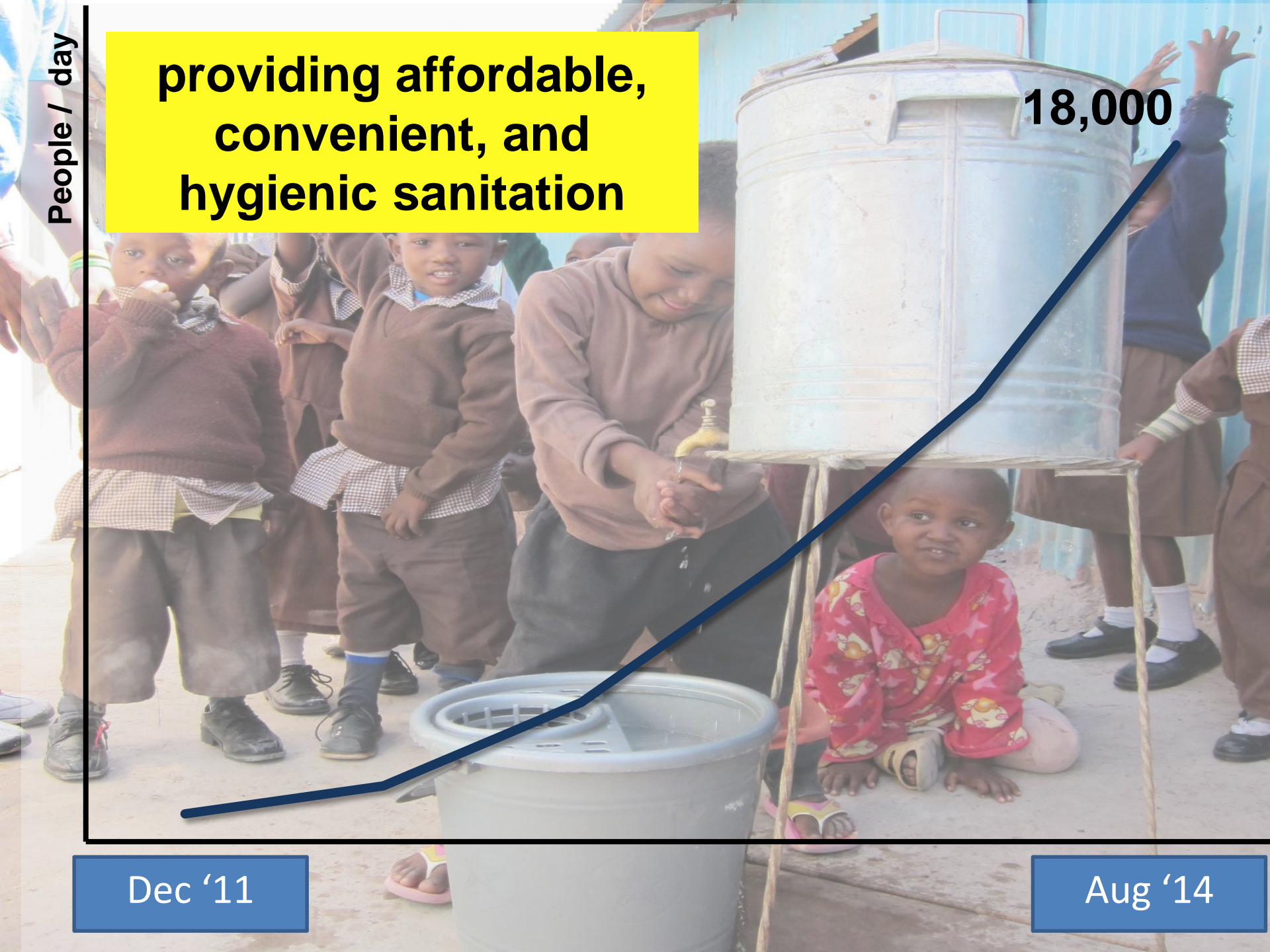
People / day

providing affordable,
convenient, and
hygienic sanitation

18,000

Dec '11

Aug '14



tackling 40% unemployment

521



Dec '11

Aug '14

metric tonnes collected

**safely collecting
+6.5 metric
tons/day from
the environment**

2886

Dec '11

Aug '14





**processing at
scale**

nutrient rich
organic fertilizer



 **Fresh
Life**
live fresh!

Distributing to Kenya's farms



partnerships make great ideas scale



BILL & MELINDA
GATES *foundation*



The Eleos Foundation



USAID
FROM THE AMERICAN PEOPLE



KIVA
loans that change lives



Massachusetts
Institute of
Technology



AgriProtein
technologies

asante sana!



ADDENDUM



Fresh Life Schools
20% increase in enrolment & attendance



biogas & electricity
through anaerobic digestion



Biochar (soil amendment)
through pyrolysis

EVERGROW

Organic Fertilizer

[N] Nitrogen	>1.0%	pH	6.5 - 8.5
[P] Phosphorus	>0.4%	Moisture	>25%
[K] Potassium	>0.5%	C/N Ratio	<20:1
[Ca] Calcium	>1.3%	Organic Matter	>20%
[C] Carbon	>15%	Inert Materials	<3%

Ingredients: Minerals, plant material, animal byproducts and high-quality treated biosolids.
Contains trace elements.

Instructions: Recommended for basal application at planting.
Store in a cool, dry place.

Manufactured by:
Farm Star
0731 245 695
0718 800 330
info@farmstar.co.ke

Serial No:
MFG Date:
Expiry Date:
50kg Net Weight



**tested, packaged
and branded**