



## SimpliSafi

A network-based, vertically-integrated sanitation business model

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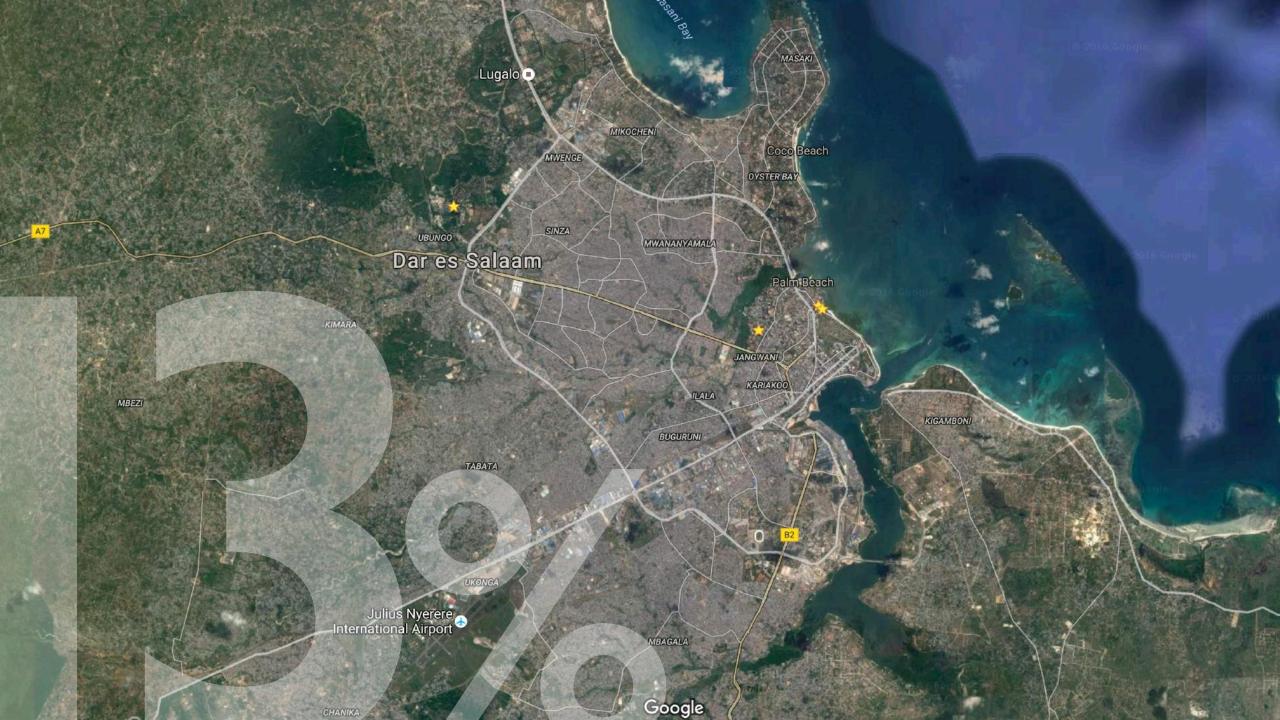










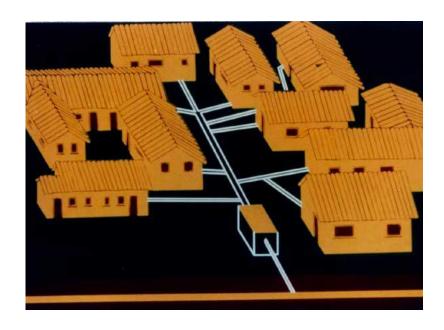








### The Innovation



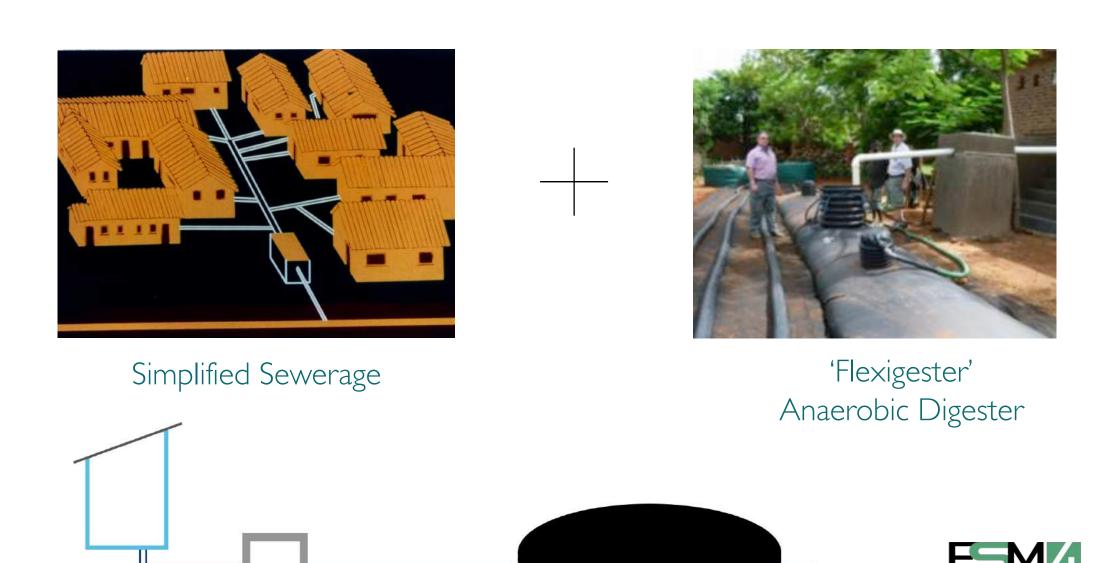
Simplified Sewerage



'Flexigester' Anaerobic Digester



### The Innovation



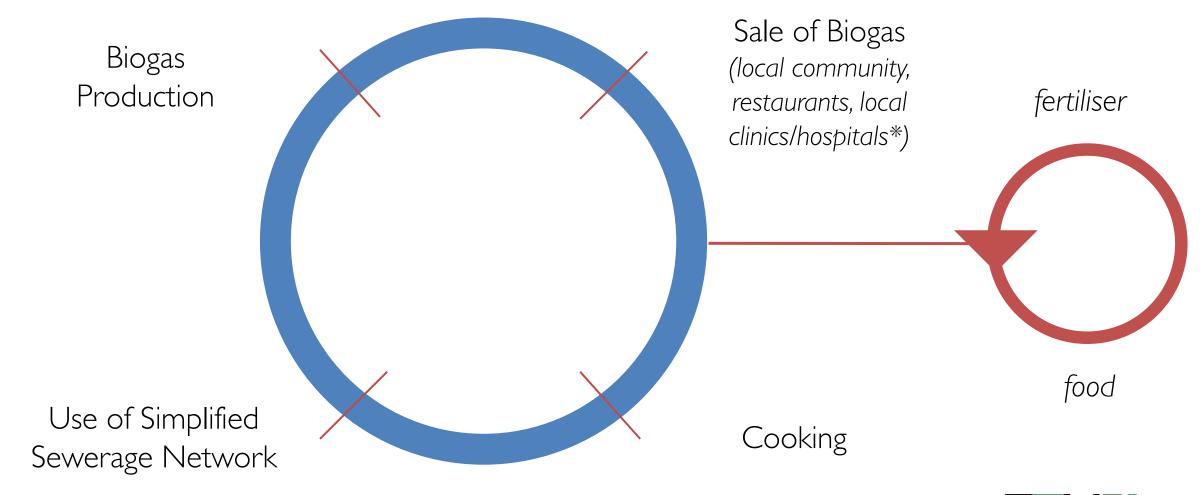
### The Innovation







# The Circular Economy for Sanitation





## The Kombo Affordable Sewerage Project

Progress thus far

Year	Number of Households	Project
July 2014	19	Simplified
		Sewerage
July 2015	15	SimpliSafi
August 2016		Simplified
		Sewerage
		Expansion





#### **Primary Funders**





Open Gate Trust













# The Kombo Affordable Sewerage Project

### Financing

#### Anaerobic Digester

40m³ – 3,000 USD (Butyl Rubber)

 $40m^3 - 750 USD$  (HDPE)

#### Simplified Sewerage

New pour-flush latrine – 260 USD

Cost per connection
– 170 USD\*

#### Monthly cost

Connection fee per household – 1.60 USD

#### Projected Breakeven with Biogas Sales

With loan repayment: 1.5 years

Without Ioan repayment: 3.1 years



# The Kombo Affordable Sewerage Project

#### Results thus far

#### Technical feasibility

- 4 blockages in past 12 months each resolved
- Methane production distribution model to be tested

#### Community experience

- High satisfaction
- Continued committee meetings

#### Health impact

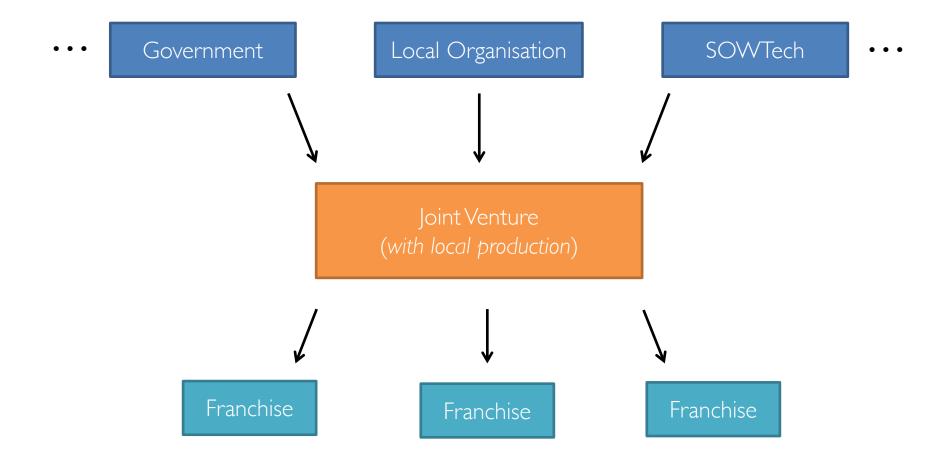
• Reduction in cholera\*

#### Financing

• >95% repayment rate for microfinance loans



### A Model for Scale















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