SCALING COOKSTOVE INNOVATION
Through Public-Private Partnership

ENVIROFIT
Making the world fit for humanity
THE CHALLENGE: Addressing the Global Need for Efficient Cookstoves
Walks 14 Kilometers every 2 days to collect firewood

Spends 35% of her income on cooking fuel

Uses up to 10 Kilograms of wood to cook over a fire each day

Occupies most of the day in a smoke filled kitchen

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Poor Fuel Combustion

Wastes 90% of the wood’s energy

Is the primary cause of Indoor Air Pollution

Adds more than 600,000,000 tons of greenhouse gases every year

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Need for Efficiency

Global Alliance for Clean Cookstoves

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Finding a Scalable Solution

High Variation in the Cookstove Marketplace

- Poor quality materials
- Lacking quality control standards
- Poor durability
- No standardized testing
- No proven measured reductions in emissions
- No real capacity to expand manufacturing

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INNOVATION TO SAVE LIVES: Focus on Quality
Envirofit International works to develop clean technology solutions to improve the human condition on a global scale, with a primary emphasis on applications in the developing world.
Rethinking the Cookstove

Improving the Household
- 80% reduction in smoke & toxic emissions
- 50% reduced cooking time
- 60% reduced fuel requirement
- 50% reduction in fuel costs
- 40% improvement in cooking efficiency

Improving the Environment
- 60% reduction in CO2
- 40% reduction of Black Carbon

Addressing the Problem

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Customizable Product Line

- G-3300 Wood
- M-5000 Wood
- Z-3000 Built-in Wood
- HM-5000 Plancha Wood
- 3GT Turbo Wood
- EFI-100L Institutional Stove
- CH-2200/2300 Charcoal
- CH-4400 Charcoal
- CH-5200 Charcoal
- Stove Accessories

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The impact of 1 cookstove

$335 saved in reduced fuel costs

1095 hours saved from collecting firewood

13 tons of CO2 emissions prevented

16 trees saved from deforestation

Reported average from Kenya
In 6 years Envirofit has enabled 600,000 families to purchase stoves impacting more than 3 Million people in over 55 countries.

$200 Million in reduced fuel consumption

7.7 Million tons of Carbon Dioxide reduced

>1000 Direct and indirect jobs created

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ENVIROFIT Global Carbon Programs

• Offers a direct source for high quality carbon credits
• Custom tailored packages to meet offset needs
• Has a flexible PoA design to add additional countries
• Can add additional partners under the carbon / revenue share
• Offers direct access options - ‘rental fee’ for use of POA

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Developing a Scalable Solution

Distribution Database Development

Dealer Education & Training

SMS & Web-Based Data Entry

Serial, Batch, & Barcode Number Tracking

Post-Distribution Impact Reporting

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Making a Sustainable Impact

- Reduce the cost of cook stoves to end users
- Create economic growth by providing margin incentives
- Fund operation expenses to monitor and track results
- Creates a reach to larger communities in short span
- Sustainable approach to adopt ICS
- Model can be replicated in other geographies
IMPACT THROUGH PARTNERSHIP: Scaling the Clean Cookstove Solution
The Key to Scale

• Start with a quality product that delivers results

• Design the product at a price that is affordable for the target market

• Working globally means thinking beyond the ‘one size fits all’ approach

• Create meaningful partnerships to help overcome key challenges of price, awareness, credibility etc.

• Leverage large scale distribution networks

• Maximize impact: stoves sold = lives saved
Overcoming Challenges

• Create an internationally recognized Clean Cookstove ISO to improve consumer education

• Reduce the financial burden to the BoP consumer by reducing duties and tariffs

• Raise awareness to increase the demand for improved cookstoves globally and locally

• Offer low-cost or free working capital financing options to lower distribution barriers

• Provide a ‘floor price’ on carbon off-take that can help reduce time to program sustainability
Partner with US

The time is now to transform the kitchen and save time, money, and lives.
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http://www.envirofit.org/overview/