1.2 + Billion people live in Darkness.



Husk Power Systems

Manoj Sinha

Co-Founder and CEO



Impact Created in 5 Years



Lighted 20,000 Households



Employed 375 rural people; 75 rural women employed and trained



17 Franchisee partners; Income generation of Rs. 45,000 / month



Saved rural households Rs. 3 Cr/year



Saved 15,000 tons of CO₂ per year



Vision

Enable socio economic development by providing "on-demand" affordable power



HPS Accomplishments

A leader in providing renewable power using de-centralized mini/micro grids

- Six years of experience in managing mini-grids in rural areas
- HPS currently manages over 70 plants that provide electricity to over 250,000 people spread across 350 villages
- Established strategic partnership with Shell Foundation and IFC Advisory for establishing Husk Power University (training program)
- Launched franchise model and have 17 franchise partners
- Global company with footprint in India, Nepal, Uganda and Tanzania
- Named one of the six companies (along with General Electric) as founding members for President Obama's Power Africa Initiative

Recruited a Silicon valley veteran, **Brad Mattson**, as the Chairman of the Board



Key Management Team

World class management team to scale up the company



Manoj Sinha: Co-Founder & Chief Executive Officer
Brings 15 years of experience as an Executive at Standard & Poor's, USA;
Worked as a Sr. Director, Risk Management and managed teams at Intel
B.Tech from IIT; MS in Electrical Engg and MBA in Finance from the USA



Col. Baljit Singh: Chief Operating Officer & Country Director, India Brings 26 years of experience working in various executive positions; most recently as General Manager Ops at Suzlon Energy and Chief Commanding Officer in Indian Army managing a team of 800+ people M.Tech in Electronics; MBA in Operations from IIM-Ahmedabad

Abhishek Agarwal: Vice President, Finance Brings 17 years of experience; Worked as a Head of Finance at a publicly traded company, Managed financials for Rs. 500 Cr annual turnover company



Surajit Das: Director of Sales & Marketing
Brings 13 years of Marketing Experience; Worked as a Senior Manager of
Sales at Reliance Communication to increase market share etc.
B.Sc in Physics and MBA from BIT Meshra

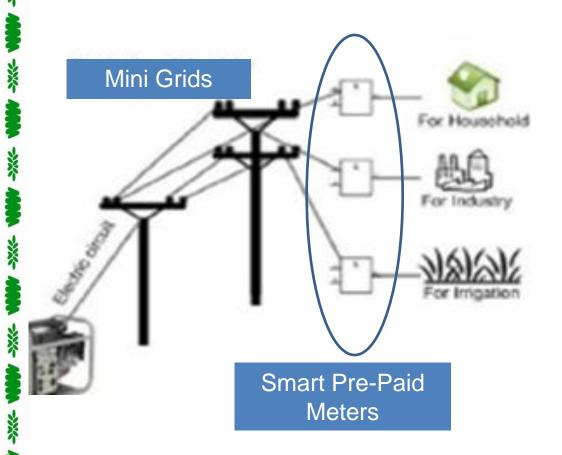


Bijit Biswas: Director of Solar Engineering
Brings 12 years of Engineering & Management Experience; Led multi-functional teams as a Sr. Technical Lead to develop financial transactions software.

B.Sc in Electronics and PG from Symbiosis, Pune University

Managing Mini-Grids and Communities

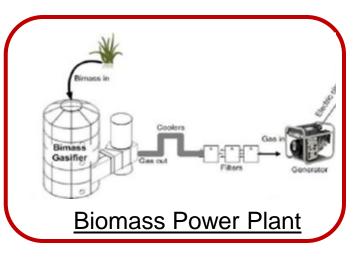
Three Phase AC Mini Grid where wires extend ~1.5km and DC Micro Grid where wires extend ~300m



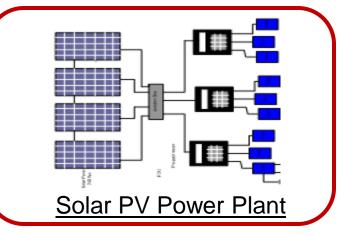
- Build and Wire the village
- Pay-as-you-Go System
- Recruitment and Training
- Maintain the network
- Education



Technology that Powers HPS Mini and Micro Grids



- Biomass System: World's lowest total capital cost per kW
- Proprietary System: HPS designs its own gasifiers and transmission network
- Breakeven: Low CapEx results in a 4 years breakeven period

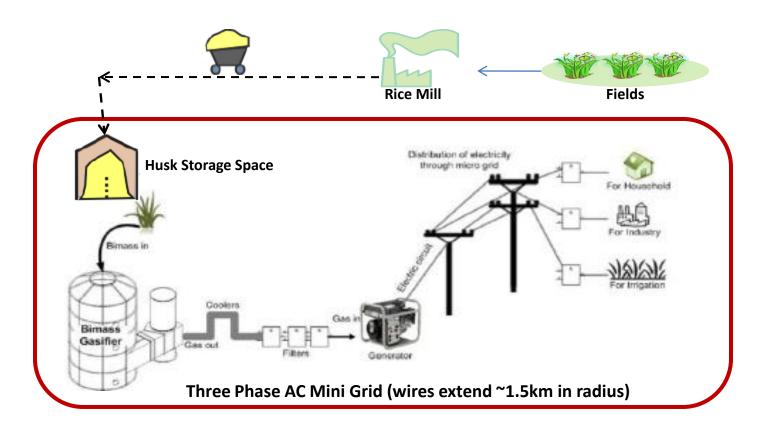


- Solar Micro Grid: HPS connects ~20 households per micro-grid
- Proprietary System: HPS has designed world's lowest cost smart pre-paid meter
- Breakeven: Low OpEx results in 5 years breakeven period



Biomass Powered AC Mini-Grids

Proprietary System with Low CapEx for providing three phase AC power

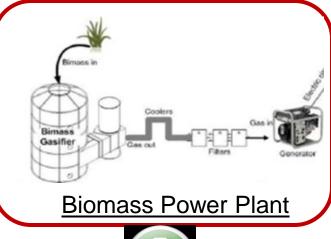


World's **lowest cost** providers of **biomass based renewable energy equipment**.



Hybrid Model to Enable "On-Demand" Power

Solution for 12+ hours of power at the same CapEx as Solar AC





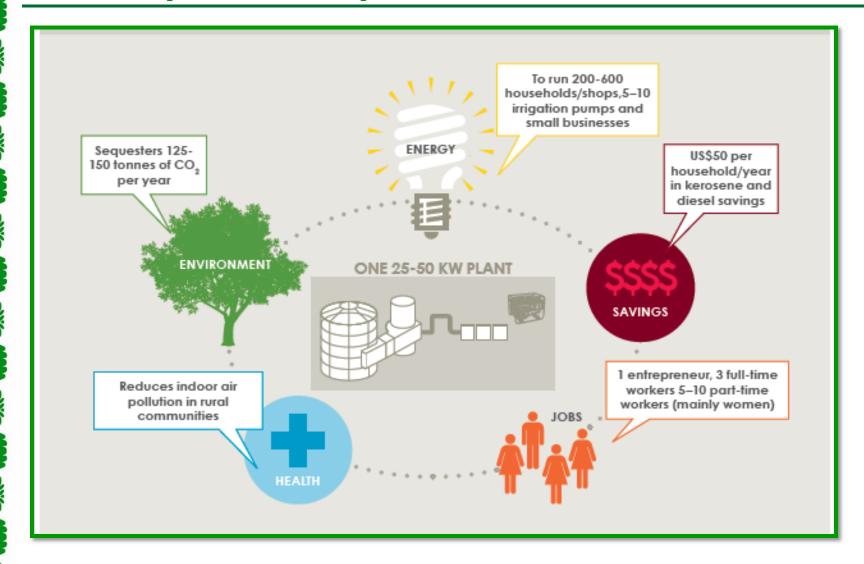


- Low CapEx Biomass for nighttime
- Low CapEx Solar PV panels (without battery) for daytime
- Provide 12+ hours of power
- Power Cold Storage and Agro Processing mills
- High level of training required





Development Impact





Women Working on Incense Sticks











Training – Technicians and Mechanics







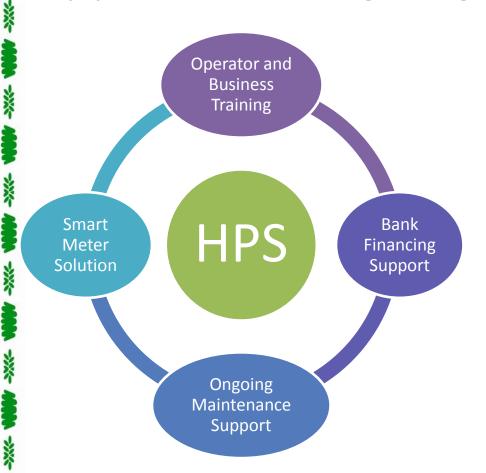


Scaling Biomass Power Plants



Enabling Franchisees

Equipment sales with training and ongoing maintenance services



Franchisee Partners Program

- Select entrepreneurs and assist with Bank Finance
- Train owners on basics of finance and process management
- Train their operators and mechanics
- Build and wire the village
- Provide maintenance and business support for ongoing fee



Current - Successful BM Partners profile

- Has a good family background and is a influential member of community
- **...** Is typically a male between 30-45 years
- **W** Possess experience of running small businesses
- **W** Has relationship with local banks
- Is diligent and hard working and does not hesitate to get hands dirty
- Experience with operating diesel genset is a plus
- Entrepreneurs who run small agro processors are relatively more successful
- Partners operating HPS system in market areas (small shops etc) generate higher sales and has less hurdles in collecting money from customers

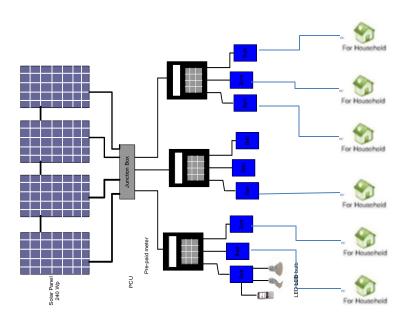


Solar PV Micro Grids



Smaller Villages- Opportunity for Solar DC Micro Grid

Less affluent villages need power only for lighting and cell phone charging



- Connected 2,500+ households
- Reduced complexity
- Less labor with more skills
- Less potential for theft
- Higher CapEx 2.5x Biomass

DC Micro Grid (wires extend 300m in radius)



Scaling Micro Grids – Solar PV

Focus on Organic expansion with Solar PV by keeping OpEx very low

❖ Invested resources for establishing ~2,500 connections

- Built a proprietary low-cost business model for delivering DC power
 - Leveraged five years of mini-grid management experience
 - Utilized in-house electronics engineering talent to design solution

Established partnership with **First Solar** to scale this business to 100,000 households in four to five years



Awards and Partnerships



World Class Partnership

Partnerships across the spectrum enabled HPS to build a scalable platform





















Husk Power Awards & News



"2008 Social Enterprise of the Year"



"Most compelling idea to change the world."





"2010: Power to People"



"2011 International Winner"



The New Hork Times





THANK YOU

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