

# AGNISUMUKH

# Hari Rao 05<sup>th</sup> June 2017 | ADB, Manila



#### **Energy** Efficient Radiant Heat Applications On Gas Fuels



Transforming lives... Reducing carbon footprint

#### What is creating the problem?

#### Agnisumukh Innovation is the solution



Blue flame commercial burners on gas:

- Pressurised heat at the centre of cook pot
- Moisture depletes, food burns
- Heat loss due to low thermal efficiency

#### Agnisumukh burners

- Spread gas evenly as a thin blue flame
- Flameless, smokeless, noiseless uniform radiant heat with high thermal efficiency
- Food cooked is tastier, healthier & faster

# Impact of Agnisumukh Innovation

Results of innovation in commercial Kitchen





Agnisumukh is an award winning startup from Bangalore, India with a path breaking innovation of commercial gas burner based on radiant heat across gas fuels.





**Hot Plates** 



#### Market Size and Growth





#### **Reversing Gas Fuel Science**

#### Agnisumukh a disruptive innovation

## Journey beyond cooking application



#### **Reversing Gas Fuel Science**

#### Agnisumukh a disruptive innovation

# Journey beyond cooking application

Under R&D					
Product Description		Current Status			
		Month	Year		
Commercial Kitchen	Warmer	AUG	2017		
	Idly Steamer				
	Teppanyaki Range				
	Braising Pan-New Model				
	Pizza Oven				
	Multipurpose BBQ	ОСТ			
	Bakery Oven				
	Combi Oven		2018		
Domestic Kitchen	Stoves		2017		
	Multi Purpose BBQs		2018		
Industrial Applications	Furnace - 1000 °C		2017		
	Heat Treatment Booth				
	Dehydraters/Dehumidifiers	DEC			
	Incinerator		2018		
	Boilers				
	Thermic Fluid Heaters				
	Paint Booth				
	Autoclave				
	Water Heaters				
	Central Heating System				

#### **Total Heat Solutions**

Agnisumukh a disruptive innovation



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Gold Medal IIGP 2015





Roundtable with Ash Carter Top Ten Technology by FICCI



DICCI Business Excellence Award

#### Team Agnisumukh











Manufacturing



Marketing and Sales



Finance



Research & Development



#### Financials

Financial Projections



In USD					
(Millions)	2016-17	2017-18	2018-19	2019-20	2020-21
Topline	0.60	1.72	27.81	140.91	397.56
EBIT	0.30	0.56	11.75	71.57	198.21
Bottomline	-0.24	-0.09	5.47	37.95	104.90
Interest Cover					
Ratio	Nil	-4.78	58.19	134.44	Nil
Debt Service					
Cover Ratio	Nil	-4.57	44.50	11.68	Nil
In commercial equipment business:-					
We realize 50% advance with Purchase order					
Balance on installation of the equipment					
AMC is charged at 10% after completion of one year from the date of installation					

Direct Cost of producing 1 commercial kitchen equipment is \$ 750, selling at \$ 2200

#### Associated Risk

**Risk Mitigation** 



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#### Associated Risk

**Risk Mitigation** 



#### Project Impact





**Decline in the death rate** 

#### **Environmental Impacts**





## Project Summary



Year Founded	2014
Product	Energy Efficient Radiant Heat Burners
Category	Energy Efficiency
Funding stage	Growth stage
Total Investment	\$ 7.5 million
Ask Amount	\$ 5 million in Debt
Application of Funds	Production Facilities, Working Capital, Sales and Service Infrastructure
Term of Debt	5 years







