



**International  
Finance Corporation**  
World Bank Group

# IFC & Cleantech

– illustrating the roles  
a development bank  
can play

First Indian Cleantech Forum  
Delhi, India  
August 2007





**IFC's mission is to promote sustainable private sector investment in developing countries, helping to reduce poverty and improve people's lives**



## Overview of achievements to date

### Supporting demand

- Standard setting - Equator Principles > 50 banks
- Innovating with Banks – US\$300 million in EE projects FY07
- Innovating with Companies – Cleaner Production
- Carbon Finance - \$100 million Delivery Guarantee Facility
- Market transformation programs – PV, fuel cells, LEDs, distributed generation

### Investing in supply

- Project finance in sustainable energy > US\$1.3bn
- Investing in early stage cleantech – directly, via funds



## Investing in early stage Cleantech

### Direct investing

- Across the full Cleantech spectrum – drinking water, wastewater treatment, solid waste management, recycling, air quality, sustainable energy, sustainable natural resource use (agri-sectors, ecotourism).
- From \$500,000 to \$2 million
- Post R&D, expansion phase finance
- Venture capital / debt / guarantees

### Working with private equity fund managers

- Awareness raising on Cleantech
- Investing in new funds



# **TurboTech**

Precision Engineering



## **The investment:**

US\$600,000 equity in a turbine design and manufacturing company with a family of cogeneration turbines

## **IFC's role:**

Supporting Indian engineering talent

Funds for expansion

IFC's reputation for rigorous appraisal

First international institutional investor

Catalyzed coinvestment of US\$600,000



## The investment:

US\$1.2 million equity in a company combining a new water purification technology with a new “micro-utility” commercial approach.

## IFC’s role:

First institutional investor

Funds for expansion (India)

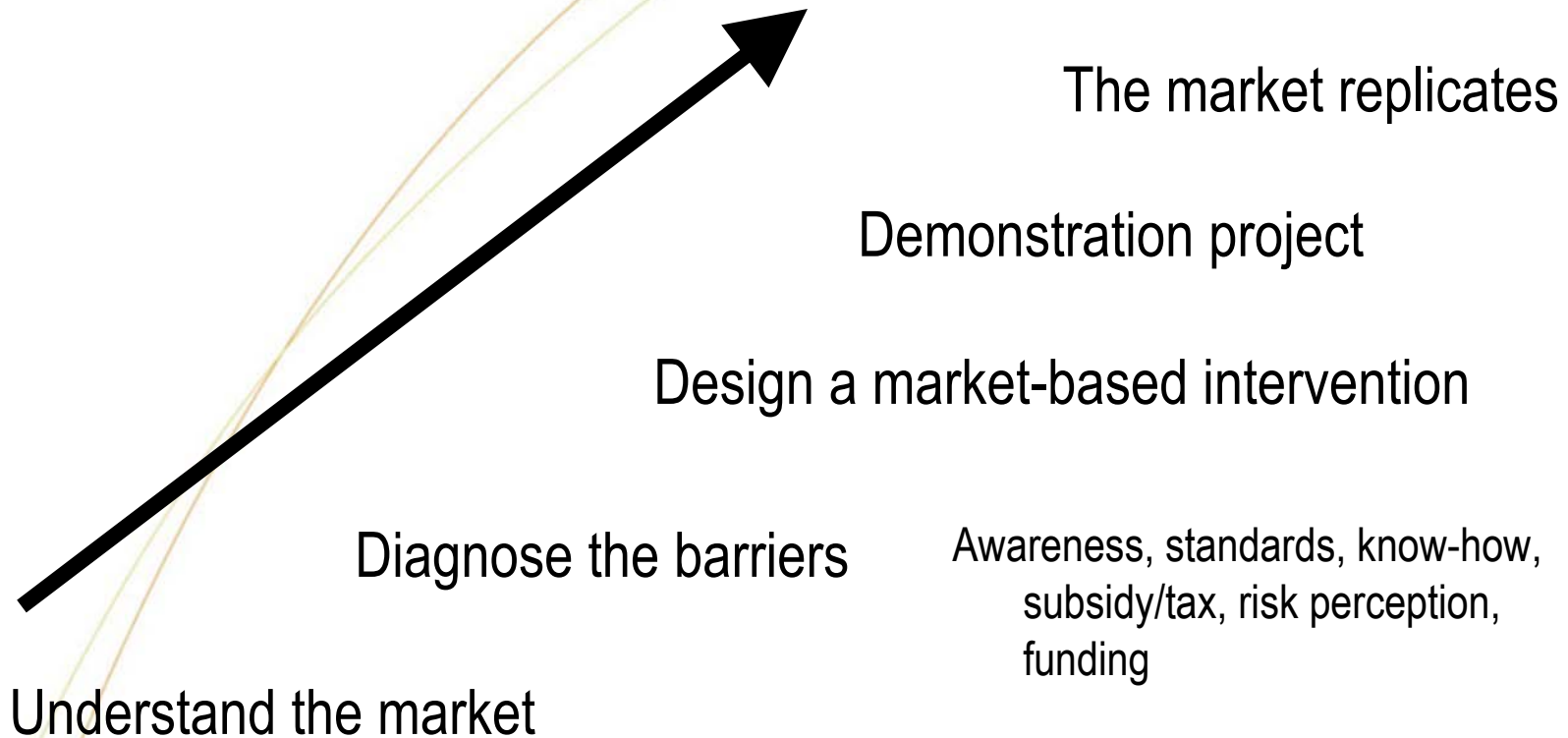
IFC’s reputation for rigorous appraisal

Latest financing round > US\$11 million





## Modus Operandi to support Innovation





# THANK YOU

## For more information

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# Pipeline of Carbon Projects

## Current CDM Pipeline

- Bagasse cogen – India, Brazil, Central America
- (Bundles of) Small hydro – Brazil, India, Sri Lanka
- Landfill gas capture and use – Argentina, Brazil, China
- Waste mgt/biogas-based power gen – Thailand, Mexico, China
- Wind – India, China, Middle East
- MSW-to-energy – India
- Suppression of coal seam fires - India
- Avoided industrial emissions – Brazil
- Geothermal – Indonesia

## Current JI Pipeline

- Waste natural gas collection and utilization – Hungary
- Cogeneration – Bulgaria, Romania, Ukraine
- Landfill gas capture and use – multiple countries in CEE
- Wind farms – Hungary
- Avoided gas flaring - Russia
- Avoided industrial emissions - Russia