



# THE SMART VILLAGES INITIATIVE

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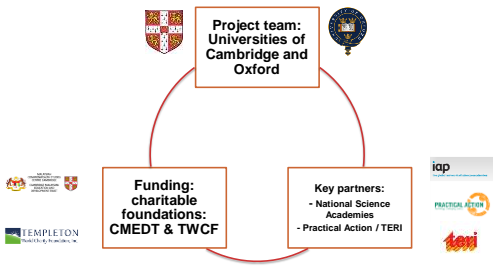
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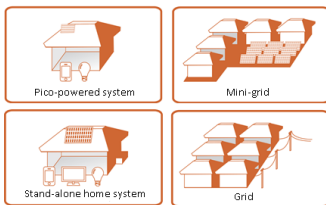
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## RURAL ELECTRIFICATION



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### REGIONAL ENGAGEMENT



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### THE SMART VILLAGES INITIATIVE

**Focus:** pico -systems, stand-alone home systems, micro-/mini-grids

**Policy advice:** an insightful, 'view from the frontline' of the challenges of village energy provision for development, and how they can be overcome

**Approach:** bring together the key players: villagers, entrepreneurs, academics, NGO's, financiers, regulators and policy makers etc:

- What are the barriers?
- How can they be overcome?
- What messages to funders and policy makers?



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### OUR ACTIVITIES



- Six international workshops
- Forward-look workshops
- Entrepreneurial competitions
- Case study documentation
- Impact evaluations
- Technical reports
- Policy briefs
- Edited books
- Final workshops

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**MINIGRID WORKSHOPS**

- Feasible business models
  - Capital 'subsidy'
  - Financing mismatch and transaction costs
  - Bankability
- Productive uses of electricity
  - External value chain linkages
  - Complementary infrastructure
- Local champions
- Pre-paid electricity
- Hybrid ownership models

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**IMPACT EVALUATIONS**

- Rubagabaga,  
Ngororero District,  
Rwanda



AFRITECH ENERGY



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**IMPACT EVALUATIONS**

- Electrification
  - 300kW run-of-river
  - Grid ready
  - Hybrid model
    - Community managed
    - Private sector ownership
    - Maintenance sub-contracted
- Local enterprise development



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