



**SMART VILLAGES**  
New thinking for off-grid communities worldwide



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# **SMART VILLAGE VS SMART CITY - A DECENTRALISED DEVELOPMENT ALTERNATIVE FOR THE 21ST CENTURY**

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## OUTLINE OF PRESENTATION

- Smart Cities vs Smart Villages
- Energy Access & Poverty
- The problem with Development
- An alternative paradigm
- Benefits & the future



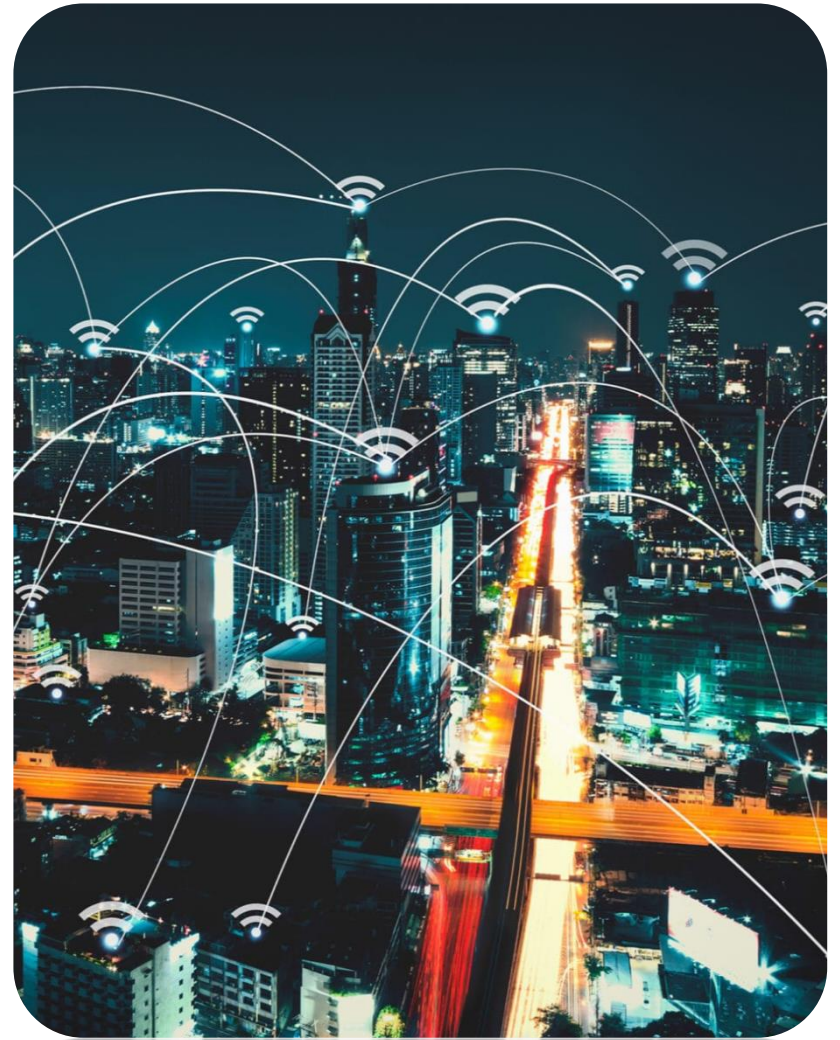


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# “Smart Cities are our Future”

Microsoft, Huawei, etc...

?







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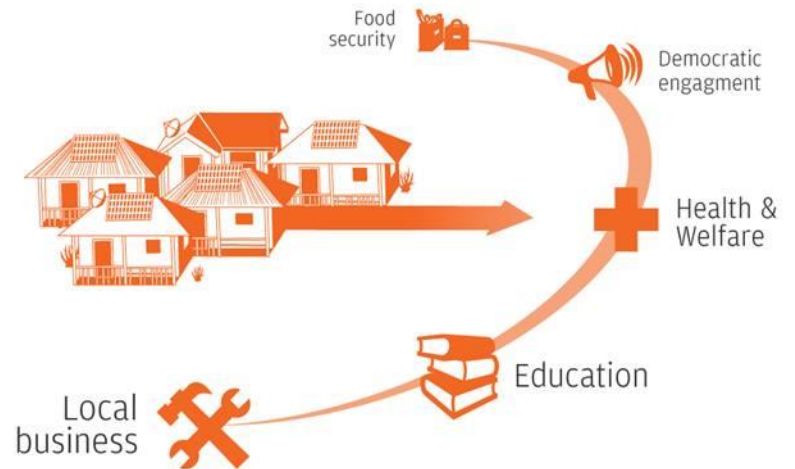
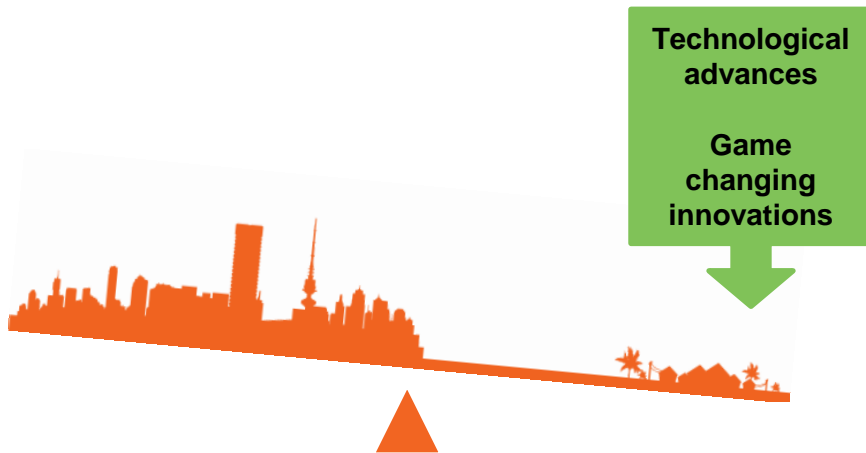


47% of world's population and 70% of the world's poor live in rural villages

**SMART CITIES**



**SMART VILLAGES**





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**47% of the world's population &  
70% of the world's poor...**

**...don't live in cities!**

SMART  
CITIES



SMART  
VILLAGES



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SMART  
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SMART  
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**Game  
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# ENERGY



**Game  
changing  
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# ENERGY ACCESS



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## IN THE WORLD TODAY, STILL...



- More than **1 billion** people without access to electricity
- **3 billion** people still cooking on dirty, inefficient and harmful stoves
- **4 million** people dying each year of indoor smoke
- **> 600 million** living in *extreme* poverty



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**ONE REASON...**



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## ONE REASON...

WHO WE ARE

WHAT WE DO

GLOBAL HEALTH

Discovery & Translational Sciences

Enteric and Diarrheal Diseases

HIV

Malaria

Neglected Tropical Diseases

Pneumonia

Tuberculosis

GLOBAL DEVELOPMENT

Emergency Response

Family Planning

Global Libraries

Integrated Delivery

Maternal, Newborn & Child Health

Nutrition

Polio

Vaccine Delivery

GLOBAL GROWTH & OPPORTUNITY

Agricultural Development

Financial Services for the Poor

Gender Equality

Water, Sanitation & Hygiene

BILL & MELINDA  
GATES foundation



## ONE REASON...

- What *really* is an energy project?
- Or health?
- Education?
- Gender?
- There is no such thing...







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## HELP OR HINDERANCE?



**FOR REAL PROGRESS, A HOLISTIC APPROACH IS KEY.**

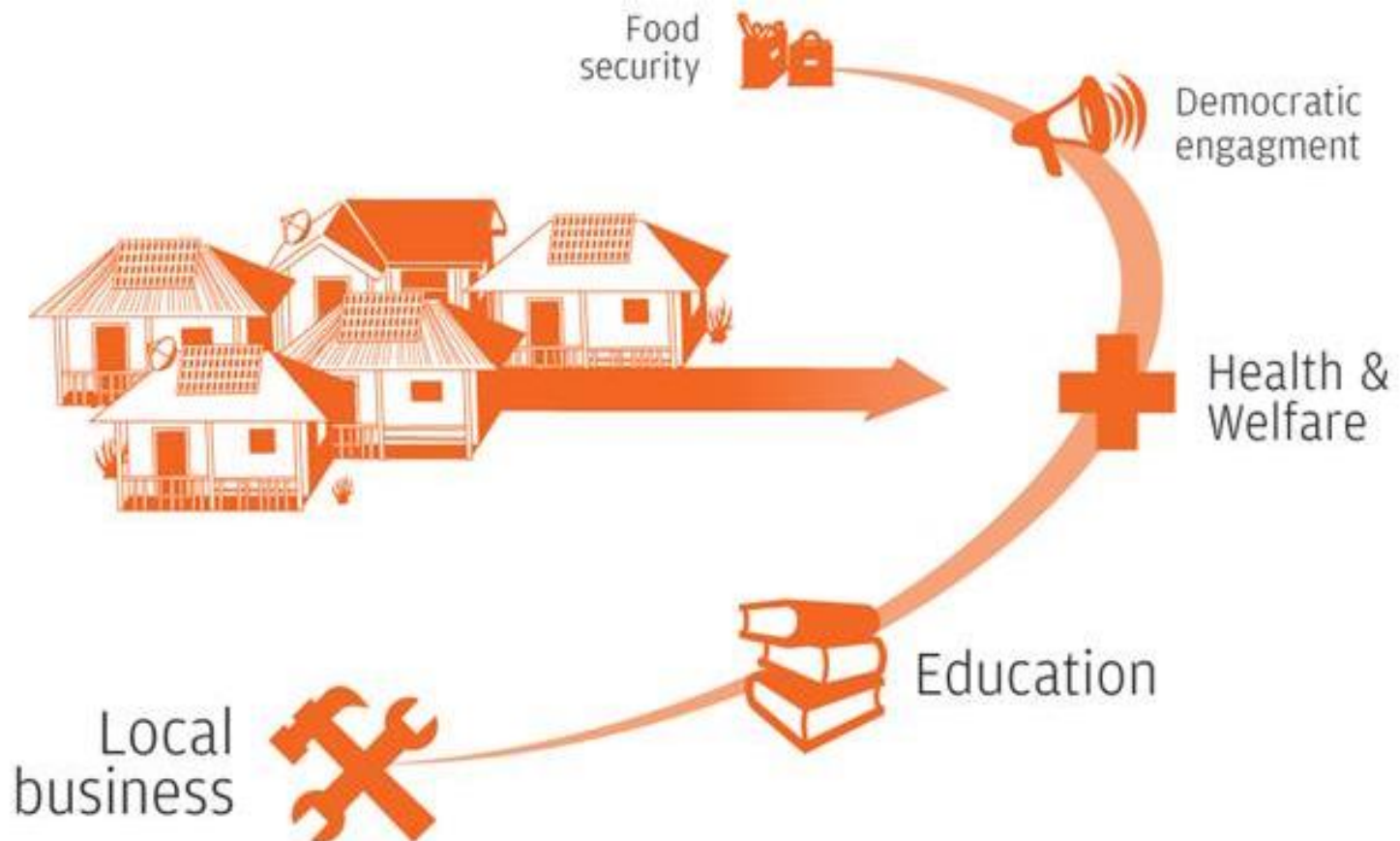
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## SMART VILLAGES – A NEW DEVELOPMENT PARADIGM





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## YICAI: A COMMUNITY-OWNED MICRO-GRID IN CHINA





## COMPLICATED?

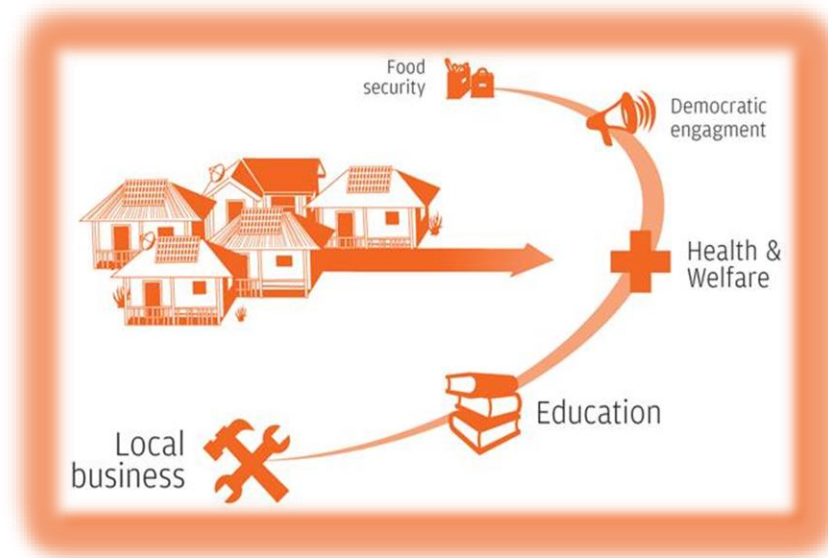
- All these technologies already exist in the market!
- Co-specification & co-installation means they will work together
- Community led & managed
- Single distribution chain simplifies logistics
- Single training programme
- Monitor joint impact on community development, not just performance of each technology
- Not expensive!
- Scalable & modular





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# INTEGRATED DEVELOPMENT PARADIGM



- More cost-effective
- More targeted
- Greater sustainability
- Greater long-term impact
- More resilient
- More empowerment



## NEXT STEPS...

- Prove it!
- SVRG working with partners to implement pilot/demonstration communities
- Good baselining and broad impact assessment to obtain data/evidence of benefits of this approach.
- Join us!





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## Thank you for your attention

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