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
“Smart Cities are our Future”
Microsoft, Huawei, etc...
47% of world’s population and 70% of the world’s poor live in rural villages.
47% of the world’s population & 70% of the world’s poor...

...don’t live in cities!
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...don’t live in cities!

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ENERGY

Game changing innovations
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
ONE REASON...
ONE REASON...
ONE REASON...

• What *really* is an energy project?
• Or health?
• Education?
• Gender?

• There is no such thing...
HELP OR HINDERANCE?

FOR REAL PROGRESS, A HOLISTIC APPROACH IS KEY.
SMART VILLAGES – A NEW DEVELOPMENT PARADIGM
YOU START WITH A VILLAGE
YOU TALK TO THEM ABOUT THEIR NEEDS
HELP THEM INSTALL A
MINIGRID
SATELLITE BROADBAND
VILLAGE-
WIDE WIFI NETWORK
DOMESTIC AND PRODUCTIVE USES
AGRICULTURAL PRODUCTIVITY
POST-
HARVEST LOSS REDUCTION
VALUE-
ADDITION
ENERGY FOR A CLINIC
REMOTE DIAGNOSTICS
TELEMEDICINE/REMOTE CONSULTATION
PRE-
LOADED LOCAL SERVER
REMOTE EDUCATION
COMMUNITY TRAINING FACILITY
REMOTE FINANCE/BANKING
CLEAN WATER
COMMUNITY BROADCASTING
LOCAL GSM NETWORK
ATMOSPHERIC WATER EXTRACTION
TRANSPORT INFRASTRUCTURE
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
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!
Thank you for your attention

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