



SMART VILLAGES
New thinking for off-grid communities worldwide



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SMART VILLAGES, NEXUSES & THE FUTURE

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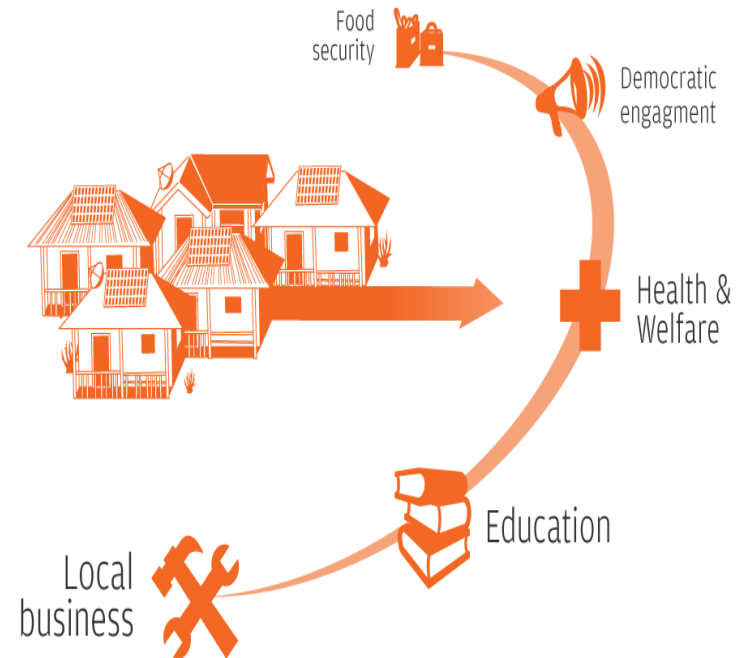
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SMART VILLAGE NEXUS

- Decentralised infrastructure
- ICT & networking
- Innovative technologies for remote service provision & productive use
- Community engagement
- Economic & social development





HEALTH

- Limited public health resources & personnel
- Basic: lighting, cooling
- Records, information
- Telemedicine
- Innovation: diagnostics, 3D printing, remote presence





EDUCATION

- Limited public resources & personnel
- Basic use: lighting, ICT, teachers' homes, income streams/incentive
- Technology to support teaching & teachers
- Tech instead of teachers
- Community knowledge





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AGRICULTURE

- Agronomy: information, water
- Economic: market price, weather
- Processing, storing & value addition: milling, husking, drying, cooling
- Employment/remote operation – “Nokia farmers”
- Precision farming





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RESILIENCE

- Natural disasters
- Economic
- Conflict
- Health
- Infrastructure failure



RESILIENCE FINDINGS

- Build social capital
 - Capacity, information, assets, stewardship & indigenous knowledge
- Physical infrastructure
 - Decentralised supply & services, communication, early warning, health, lighting
- Maintenance of infrastructure, everyday resilience
- Unintended consequences & new risks
- Integrated policymaking, little “real-world” experience/data



SMART VILLAGES FINDINGS...

- Good global experience of “what works”
- Broad set of case studies, business models and technologies
- Few examples of true “smartness” and integration
- Focus still on technologies rather than productive use/development and progress up ladder
- Information/awareness still low



FUTURE PRIORITIES

- Implementing Smart Villages
 - With technology and social partners
 - Clusters of villages
 - Full spectrum of “smartness”
 - Data collection and evidence
- Innovative nexuses
 - Conflict, displaced populations, migration, democratic engagement, “beyond” gender, smart villages & smart cities...
- Forward look workshops, esp international
 - What innovations are in the lab which might revolutionise the village in 5-10 years?
- Communications/awareness-raising, dialogue and partnership

AN EXAMPLE – TERRAT, TANZANIA



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INNOVATIVE TECHNOLOGY FOR PRODUCTIVE USE – INDONESIA





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Thank you for your attention

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