Micro-grid design principles

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EssentialLoads
Multi-purposeCanopy RainWaterCollection
ShippingContainerConversion CleanAndMaintainOnSite
FutureProofingAcceptGridConnection
MaintainWithLocalKnowledge
RemoteSystemControlAndRepair In-CountrySupplyChain
ModularSystem
RenewableAtDesignLoad SystemRedundancy
Resilience
BatteryLife10Years Safety
DieselGeneratorForExtremeLoads
Non-EssentialLoads

FIVE questions for discussion

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(1) Approaches to mini-grid deployment?
(2) What happens when the grid arrives? Stranded asset, investor risk – how to address this?
(3) Mini-grid, scale and economic activity? Sizing rules for economic deployment?
(4) Partnering opportunities? e.g. 3g mobile networks, REA
(5) Funding streams
(6) Cost of energy and investor profit– what is acceptable