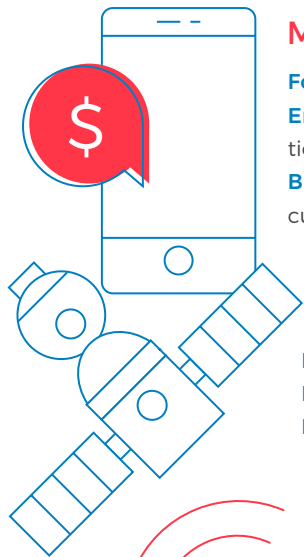
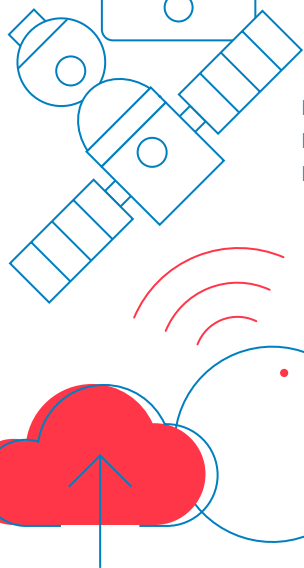


The digital revolution in distributed energy



Mobile money

For example: MPesa in Kenya or Tigo Pesa in Tanzania
Enables: small payments; simple and secure cash-less transactions without bank account
Business case: lowers cost of business operations; opens up new customer groups



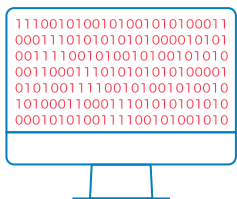
Satellite imagery and algorithms

For example: Quantitative Engineering Design or Agribotix
Enables: better, faster site selection and preliminary grid designs
Business case: lowers cost of business development



Smart meters

For example: ABBs Microgrid Plus System, Siemens or Schneider Electric
Enables: fewer defaults; inputs for user data analysis and smart demand management; better grid interaction options
Business case: better business operations, lowers cost of power, lowers risk of "grid creep"



Data analytics

For example: SteamaCo
Enables: better risk and usage projections
Business case: increases system profitability; lowers financing costs

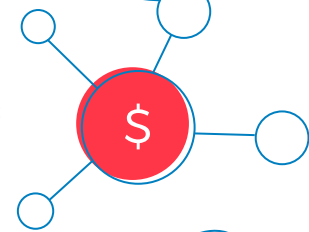
Digital currencies

For example: International bitcoin transactions direct to MPesa mobile money
Enables: lower transaction costs; easier international investments
Business case: lowers cost of capital; more financial inclusion



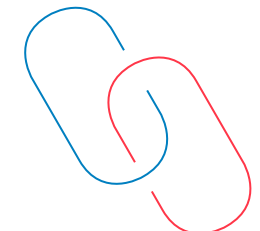
Crowdfunding

For example: Trine, Energy4Impact
Enables: unlocking new investor groups
Business case: lowers cost of capital



Blockchain

For example: Brooklyn microgrid
Enables: easy and cheap peer-to-peer transactions; enabling organic interconnections with other grids
Business case: lowers cost of operations



Better energy storage

For example: Vanadium flow batteries; lower cost lithium batteries
Enables: Reduces maintenance costs; cleaner (more solar, less diesel)
Business case: lowers system costs; lowers operating costs

