prototypes for sustainable energy solutions

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background Kairos

- private social business with headquarters in Bregenz on the lake of Constance
- development of prototypes for the technical and social challenges of our time
- active in Europe as well as Sub-Saharan Africa, Central and South Asia
CCRE - pioneering Solar Energy in Sierra Leone in 2006
“Landrad”
largest e-bike research project
VLOTTE, first Austrian model region for electric mobility
prototypes - technologies that travel

- not all technologies travel well
- however there are also those extremely successful examples
  - incredible rise of the mobile phone
  - mundane examples like razor blades and maggi cubes
- emphasising the interdependent relationship between society and technology
unlocking potential

- situations of scarcity foster an environment of improvisation
- hybrid realities: constant intermingling of the new and the traditional, the global and the local
- technologies are tampered with and sometimes interpreted against their design
high quality components

- not a limit, but an powerful potential for innovative solutions
- products need to be flexible leaving interpretation to end users
- unfinished and modular, to allow maximum interpretation by end users
modular LED light source, compatible with a wide range of electricity sources, semi-manufactured
high end components offering extraordinary efficiency and lighting quality
emphasising local value creation through adaptation and upgrading of the module
sunlight LED prototypes, currently tested in Sierra Leone, DRC, S-Sudan, Tanzania, Uganda and India
market intelligence

- market flooded with ready-made low quality solutions
- not only a potential environmental hazard, but also a threat to local value creation
- foster creativity and repair culture
global business partnerships

- high quality and semi-finished products
- interesting for business is the BoP market. large quantities - small margins