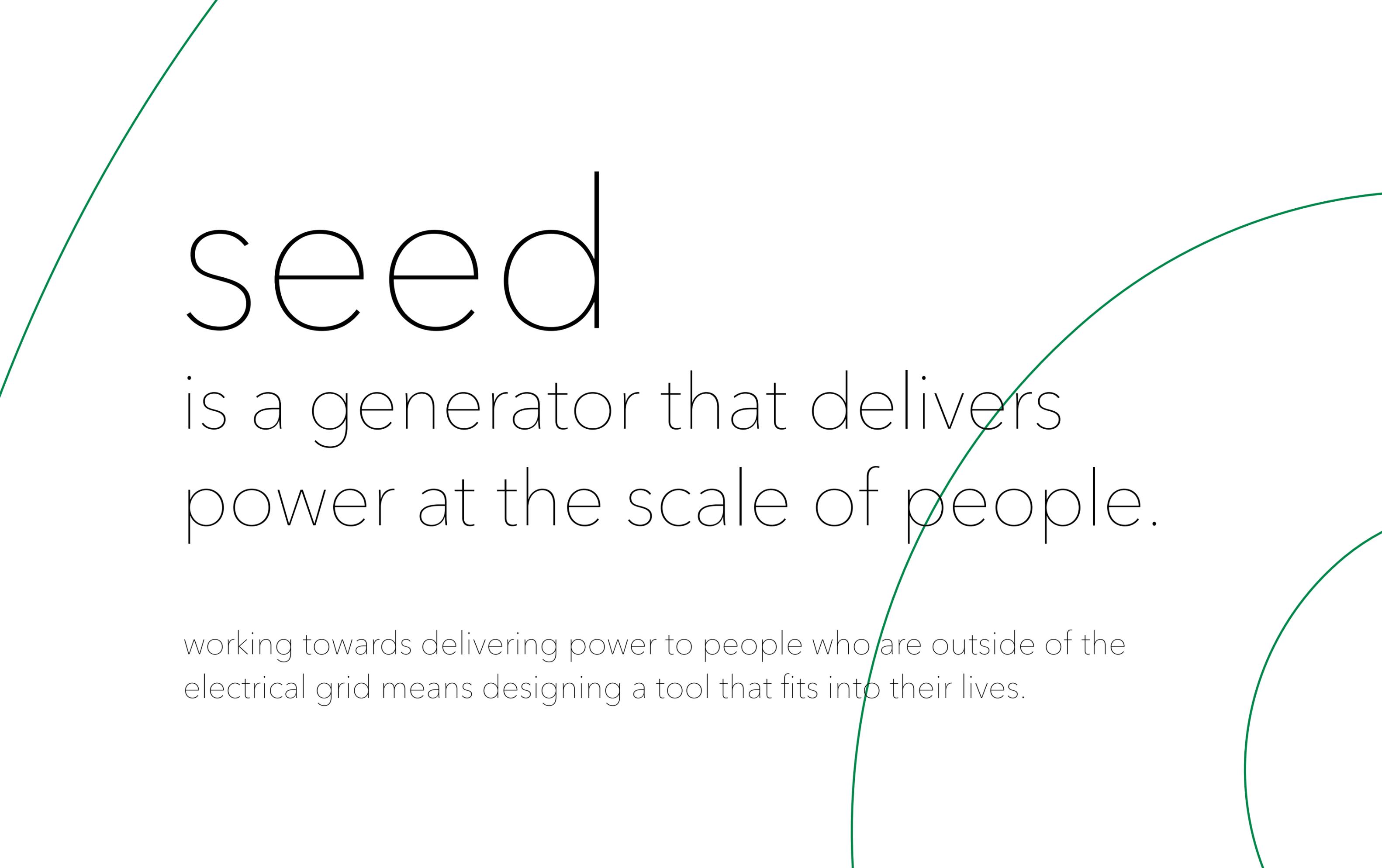


seed

modular
electrical
generator



Seed

is a generator that delivers
power at the scale of people.

working towards delivering power to people who are outside of the
electrical grid means designing a tool that fits into their lives.

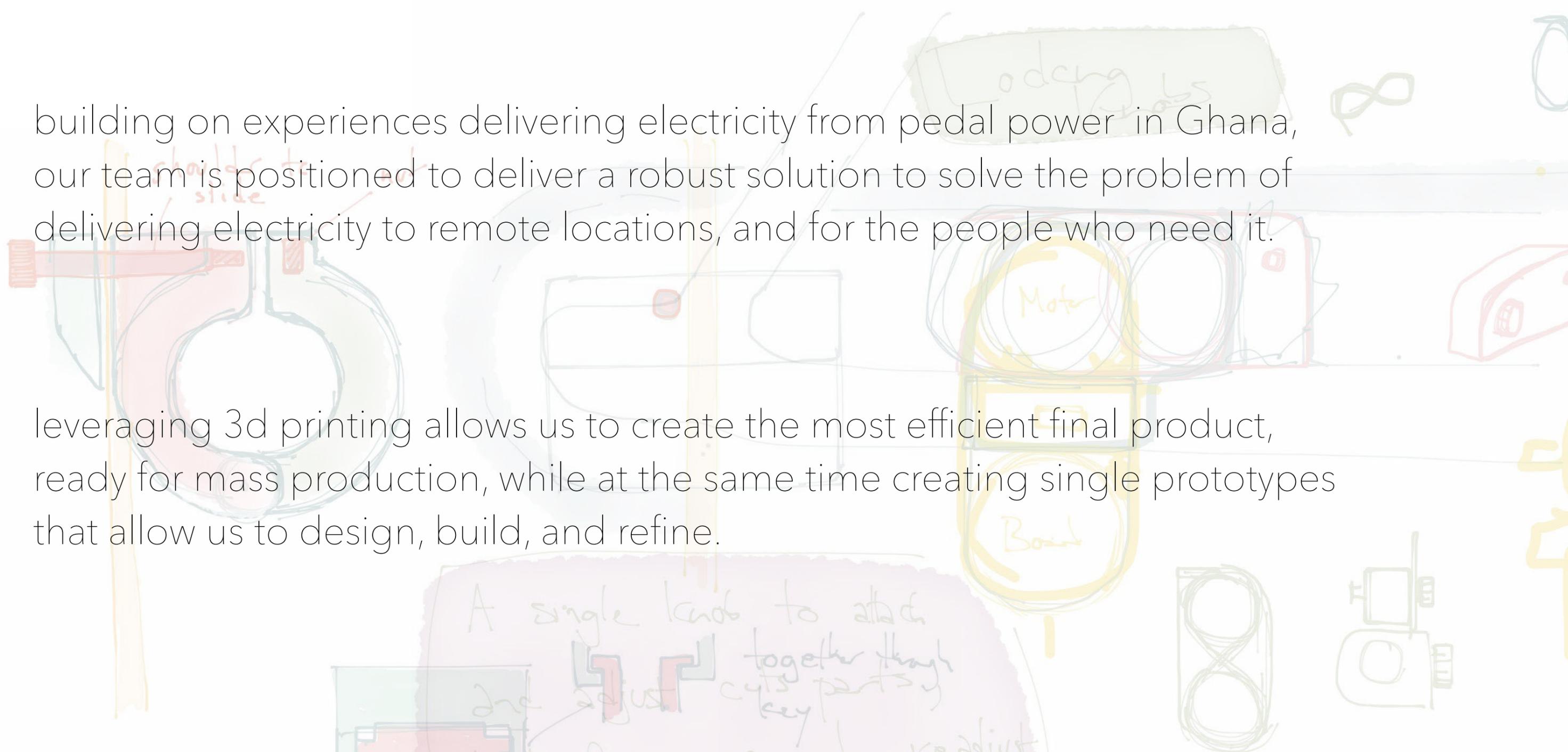
Tapping into people power and the peddling of a bicycle

allows individuals extended
access to viable electricity
outside of the electrical grid.

iterative design + experience

building on experiences delivering electricity from pedal power in Ghana, our team is positioned to deliver a robust solution to solve the problem of delivering electricity to remote locations, and for the people who need it.

leveraging 3d printing allows us to create the most efficient final product, ready for mass production, while at the same time creating single prototypes that allow us to design, build, and refine.



A close-up photograph of a person's hands using a blue bicycle to generate power. The person is holding a black mobile phone to a charging port on a blue generator device mounted on the bicycle's frame. The background shows a chain-link fence and a wooden structure, suggesting an outdoor setting. The text is overlaid on the image in white, sans-serif font.

our original generator was designed to quickly charge
any cellphone from a bicycle .

FEATURES

modular

designed with the
minimum number of pieces

compatible, interchangeable parts that allow for servicing with a varied range of materials and supplies

friction drive

long term "consumables" such as batteries and capacitors easily accessible.

broad flat head hardware, able to operate with a chisel, coin, knife, etc as these are more common than a specific wrench or even a particular screw driver.

charges a modular battery pack which in turn can be used to charge a USB device.

BENEFITS

move the power collected from a bicycle

easy to assemble with durability in the field, simplicity is strength with seed.

utilise existing suppliers to deliver parts and services locally when possible.

allows this generator to gather power from any bicycle.

replace the battery after long term use. This offers an extended life cycle to seed.

rugged design allows for people to keep their seed running in all conditions.

charge any low power device, like a cellphone, portable lights, or rechargeable batteries.

electricity powers
people just as much as
electronics.

charging a low power
device from a bicycle
allows for mobile
access to electricity for
everyone.



seed

designed to be locally produced,
packaged, and distributed.

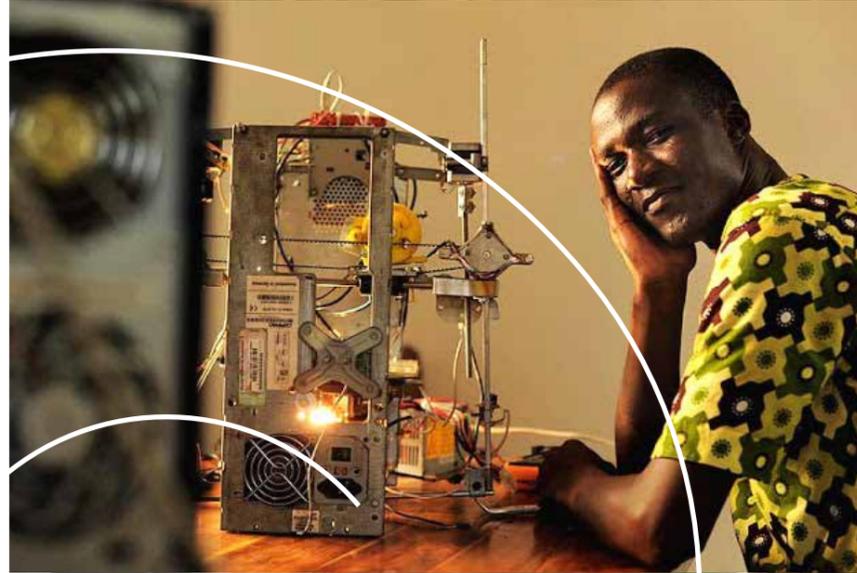
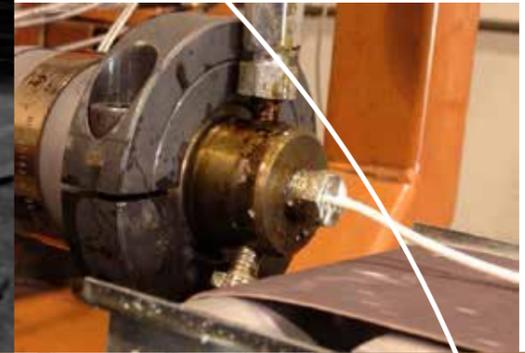
enable communities with tools
and potential with

DIGITAL FABRICATION

3d printers
laser cutter
open source software
computers
training
access

FUTURE GROWTH

open source factory
create a framework
for growth through
training and manu-
facturing of locally
designed products.



deliverables

a generator that attaches to a bicycle with a battery, and one USB port for charging low power devices.

our generator produces

5 volts dc at 1 amp.

this is the perfect amount of power to charge a cell phone, portable light, or rechargable batteries

and

bring light into a small home



seed

the power of electricity from
the power of people.