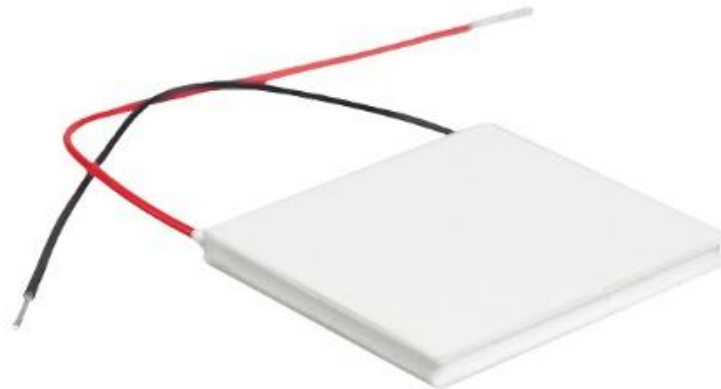




(Thermoelectric Generators (TEG)
applications)

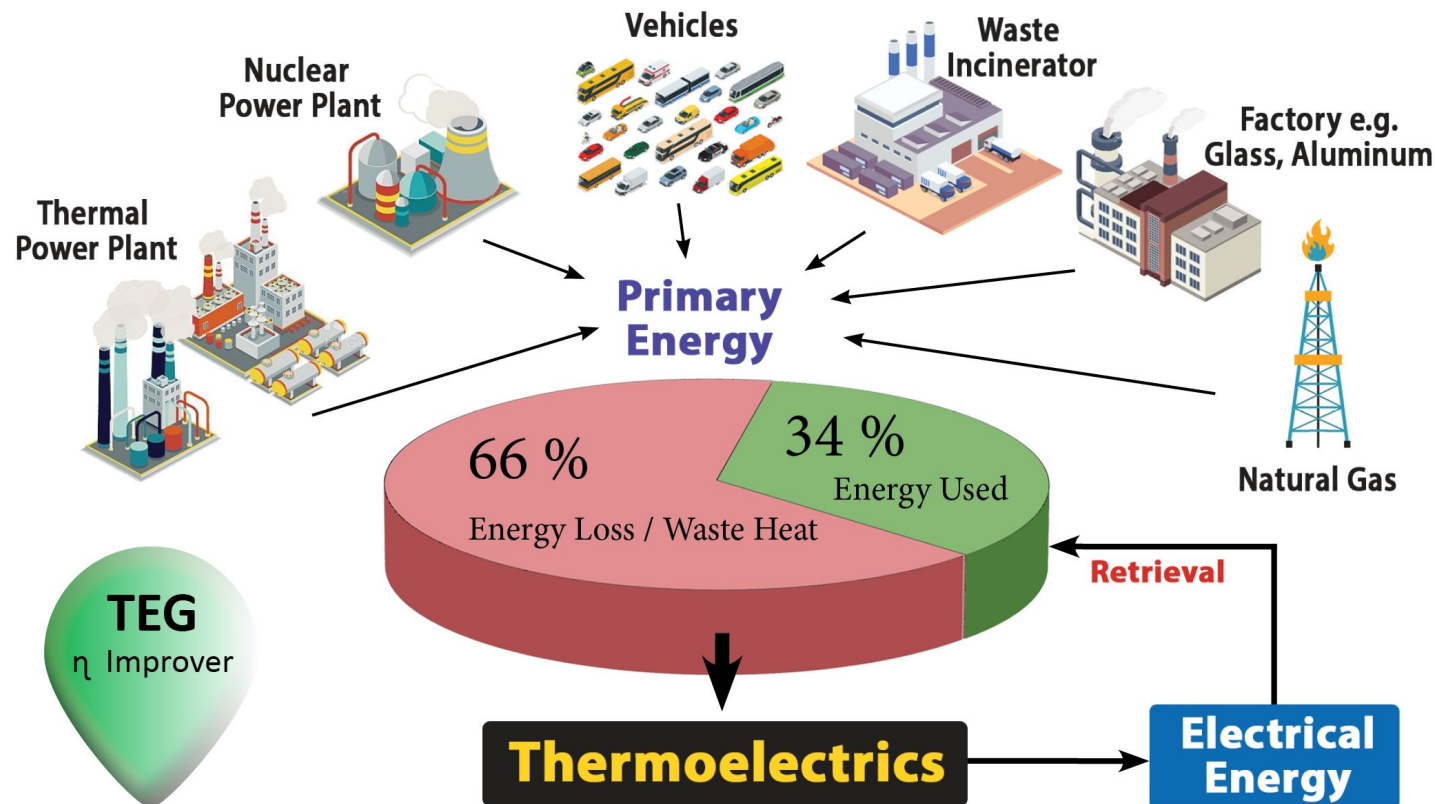


Problem/Opportunity



- ▶ Conservation of the wasted heat energy
- ▶ Electricity access for campers or researchers

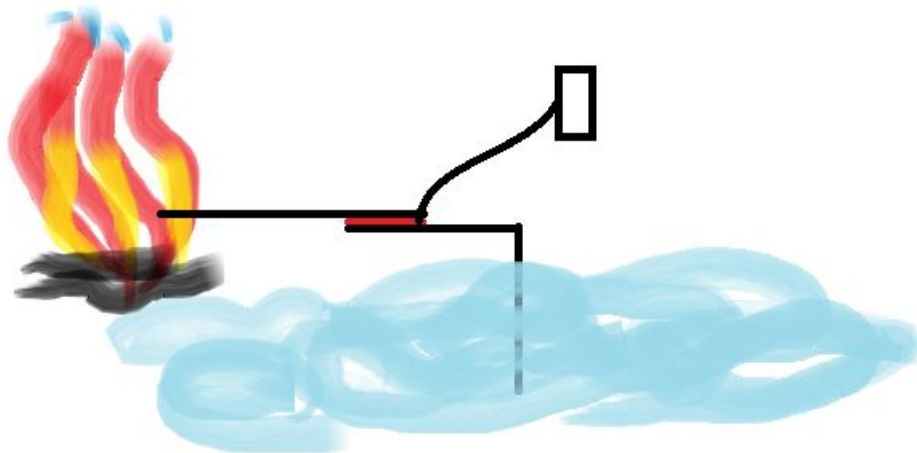
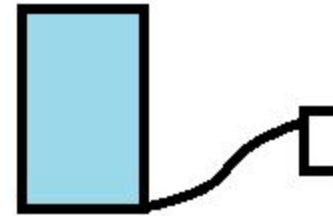
Waste Heat to Electricity



Current Solution: Campfire phone charging station

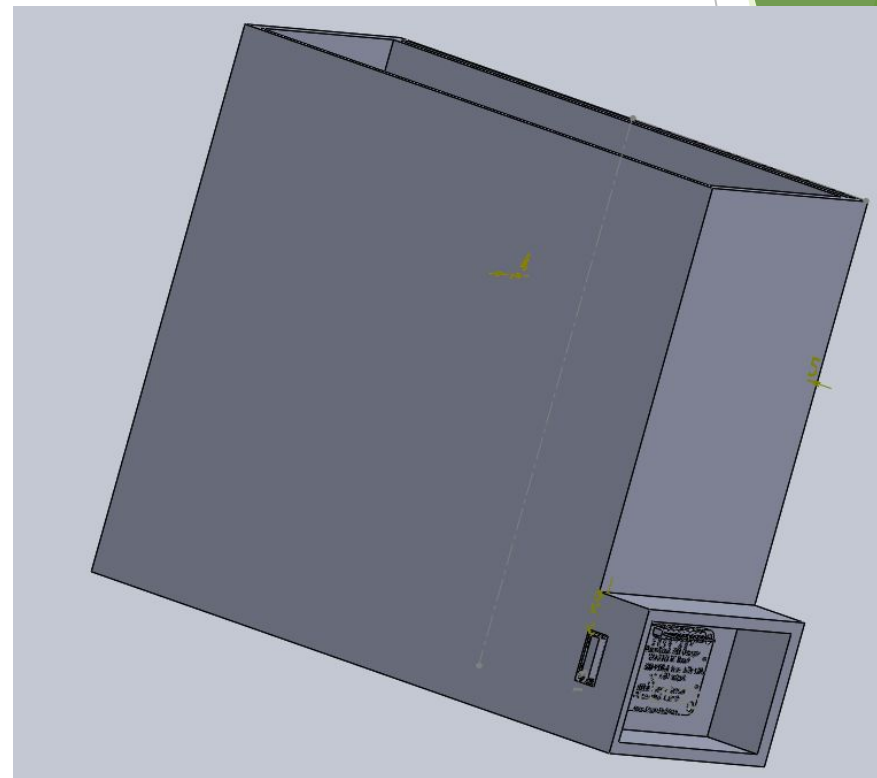
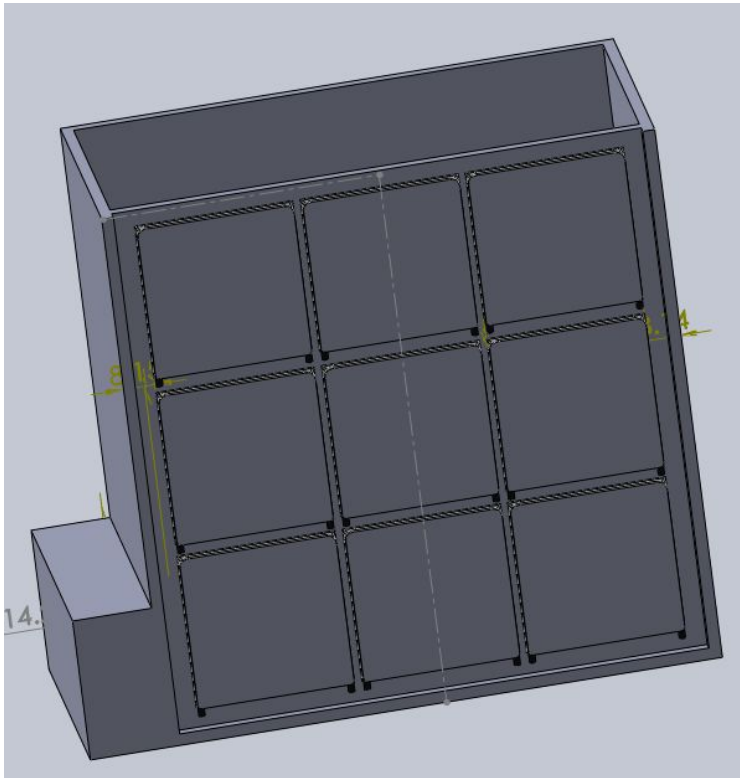


1. Water container that
charges a phone from the
heat of the campfire



2. A Phone charger made
out of metal rods. Applied
in between campfire and
ground/snow.

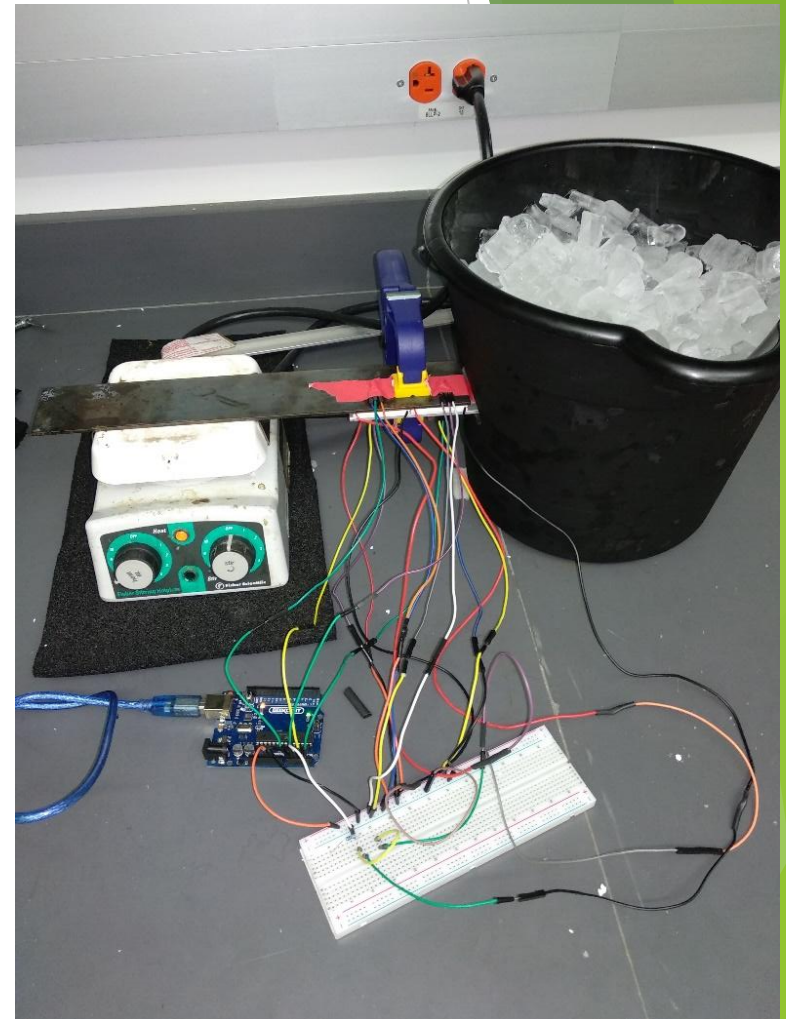
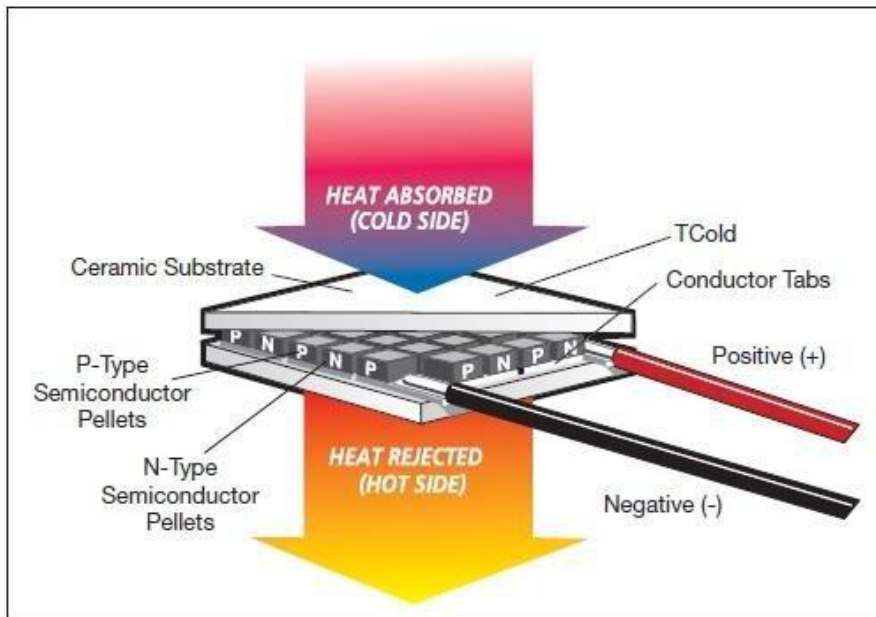
3D design of the phone charging water container



How?



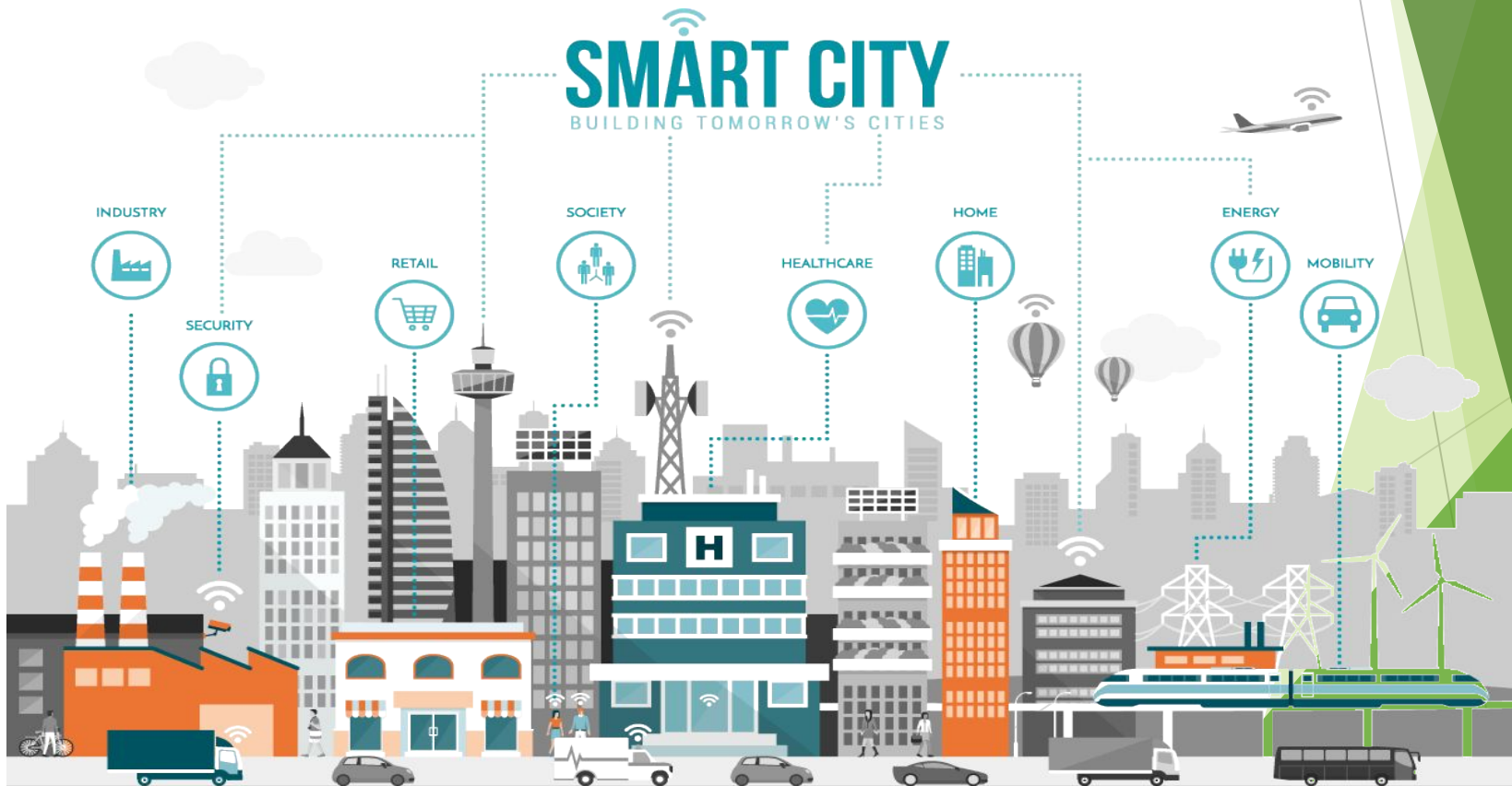
- ▶ TEGs are devices that produce voltage from the applied temperature difference
- ▶ We optimize arrangements of TEGs and materials for specific outputs



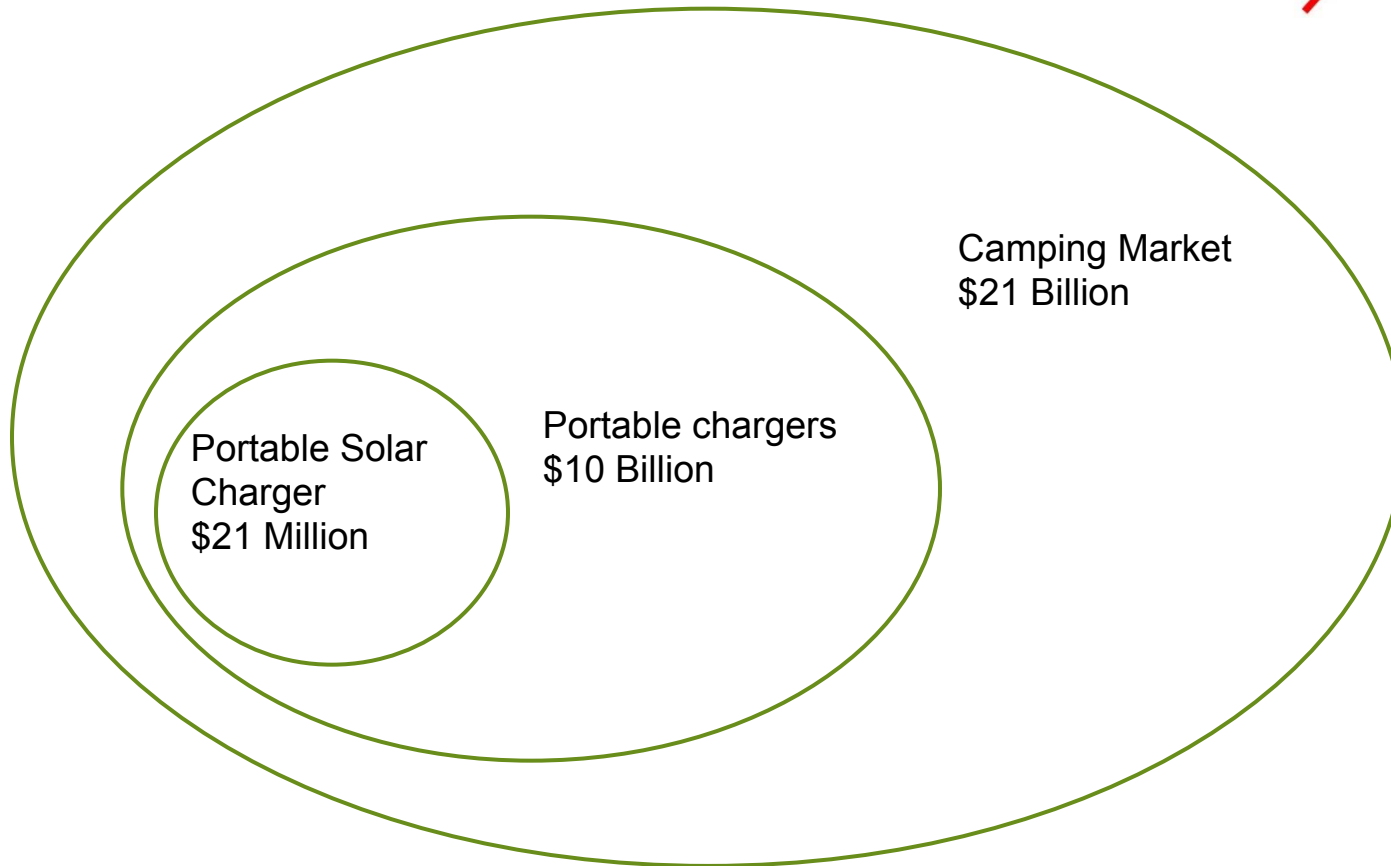
Future Development



- ▶ In vehicles -> Electric cars
- ▶ At homes -> In kitchen supplies, between water pipes and within the heating system
- ▶ Cities -> In the water piping system



Market Size - Opportunity



Camping Market



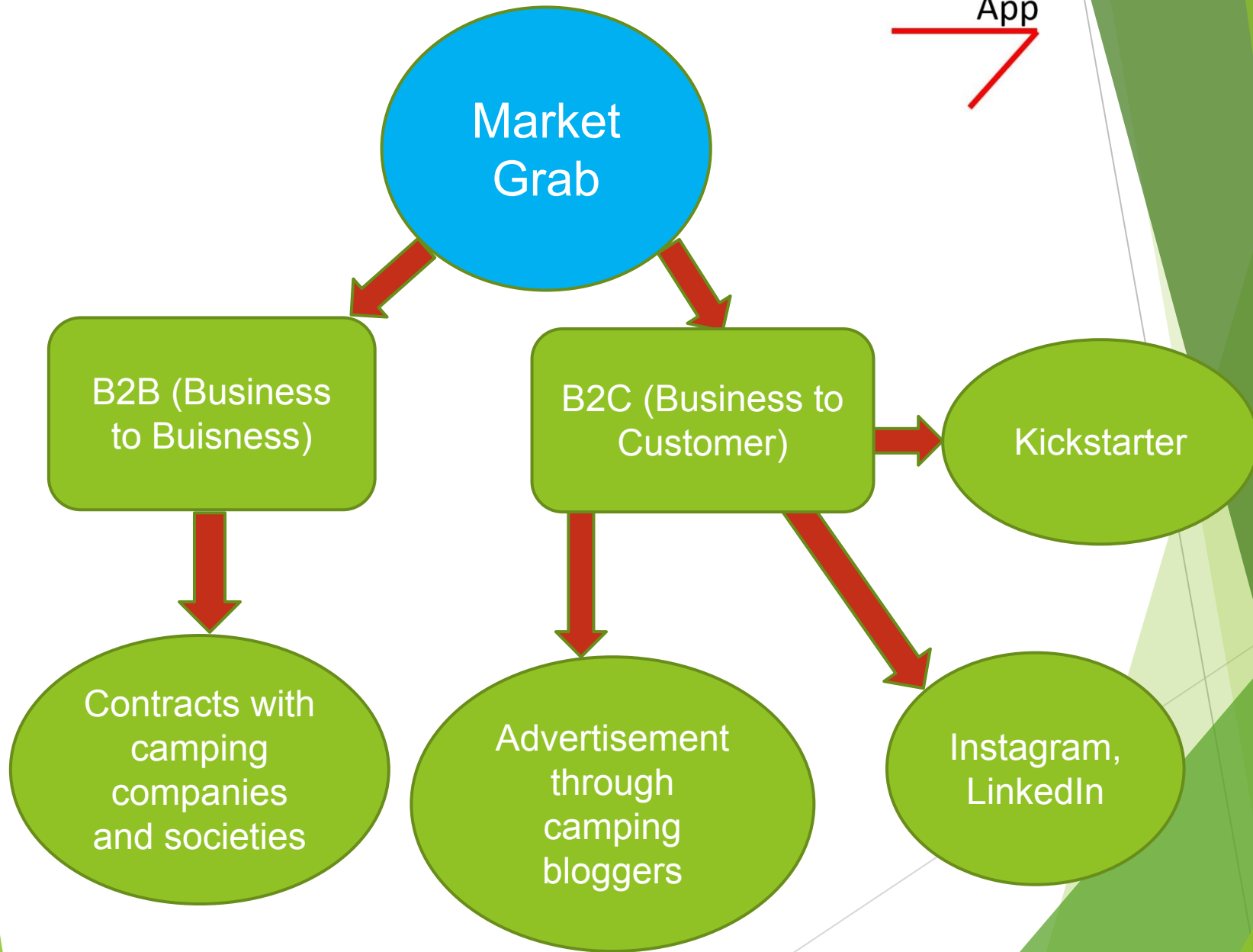
90% of
campers use
fires

56% of campers
were traveling
without electrical
Hook-Up.

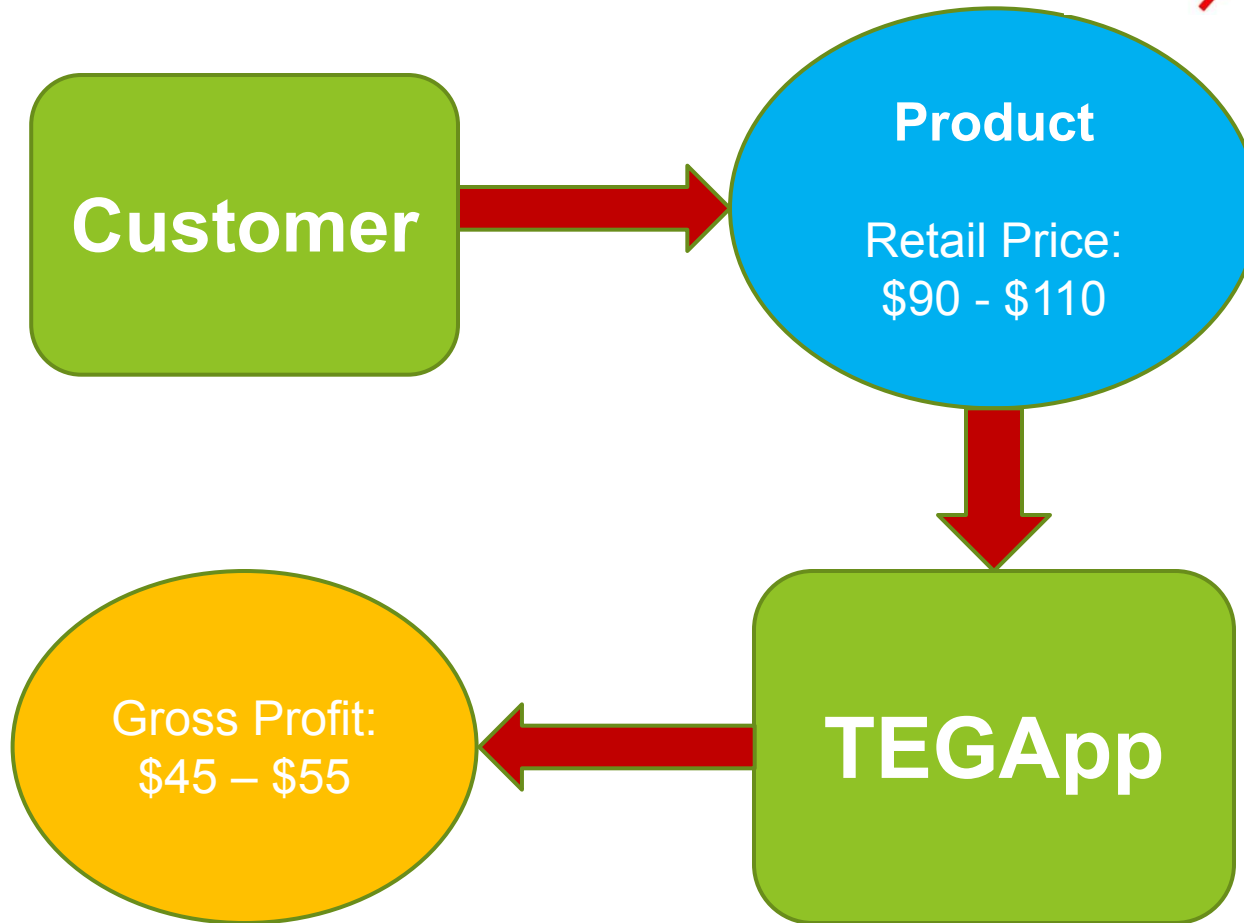
74% of campers
used a Smartphone
while camping. 53%
use it for texting,
47% - GPA Location

- Electricity top 3 luxury camping item.
We can provide it!

Go To Market Strategy



Business Model



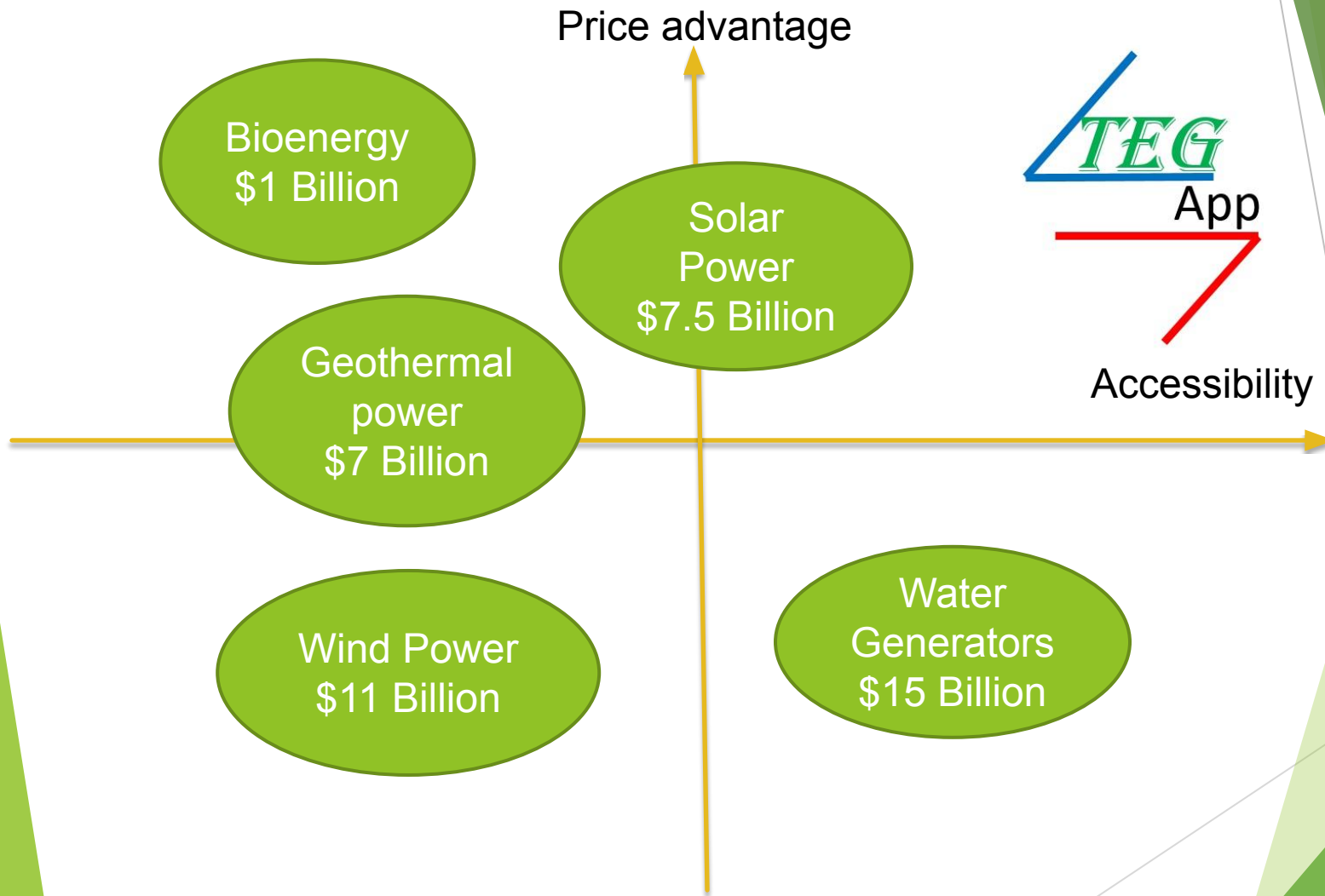
Why are we special?



- ▶ First to a market with TEGs application
- ▶ We provide a unique and simple technology to charge the phone in the place without electricity access.
- ▶ Based in Syracuse and the 5th best rising startup city in the world - Riga.
- ▶ Multicultural - We are targeting America, Russia and Europe.



Competitive Advantage



Meet our Team



Anastasija Cumika

Le Moyne College '19
Physics major with math minor
Physics Capstone project:
Studying TEG's

Solution and Design Engineer



Dariya Semenkova

University of Economics
and Culture '19
Finance Major

Finance Manager,
Accounting

Milestones

Fall/Winter 2018

Studying TEGs

Spring 2019

- Developed ideas for application and business model
- Won Dolphin Tank 1st place award
- Work on the first prototype

Summer 2019

- Develop the products
- Start Instagram page and website
- Launch Kickstarter
- First 30 customers

Fall 2019

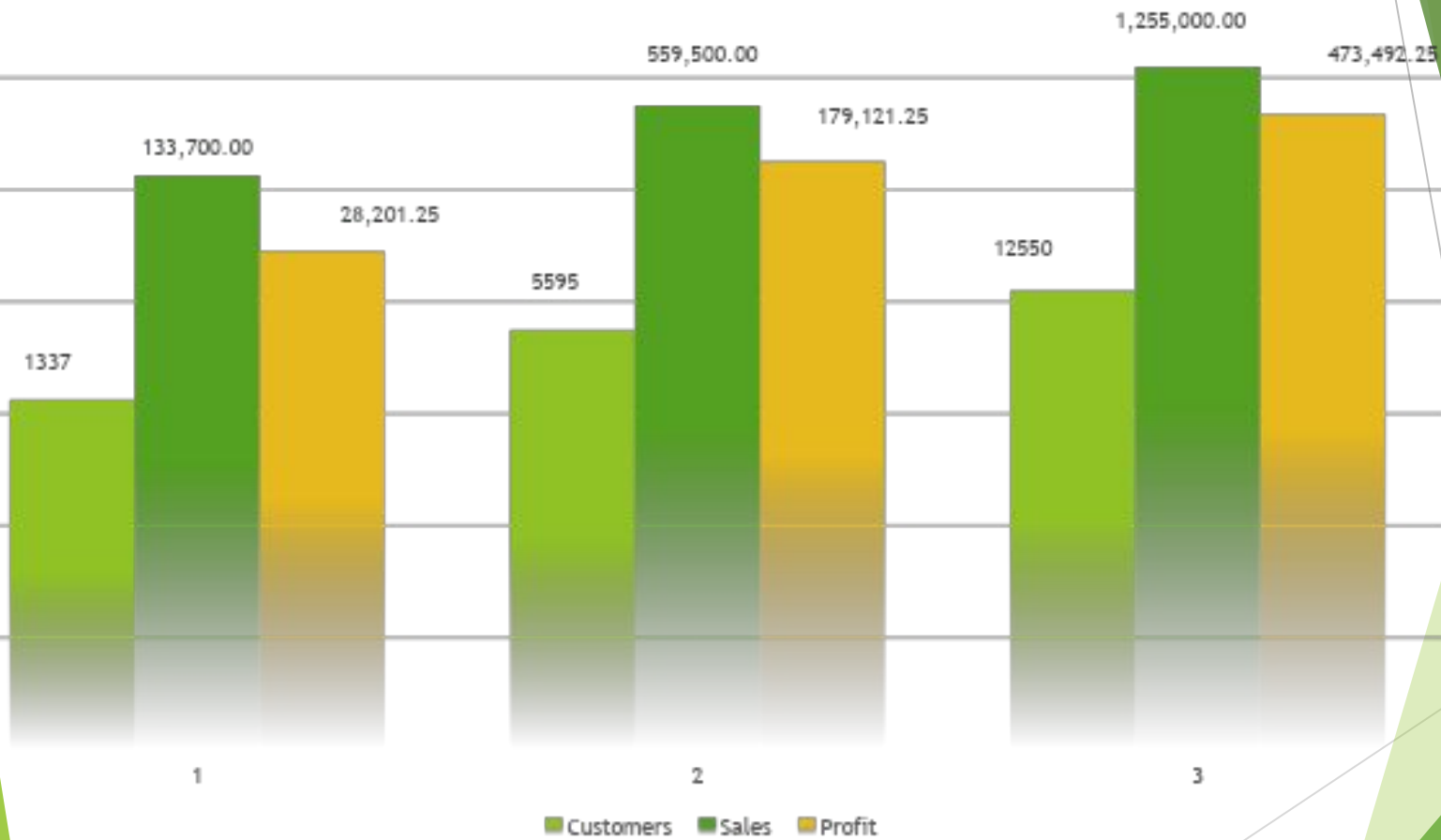
- Develop more solutions based on the market needs
- Expand the market to 100 customers

2020-2021

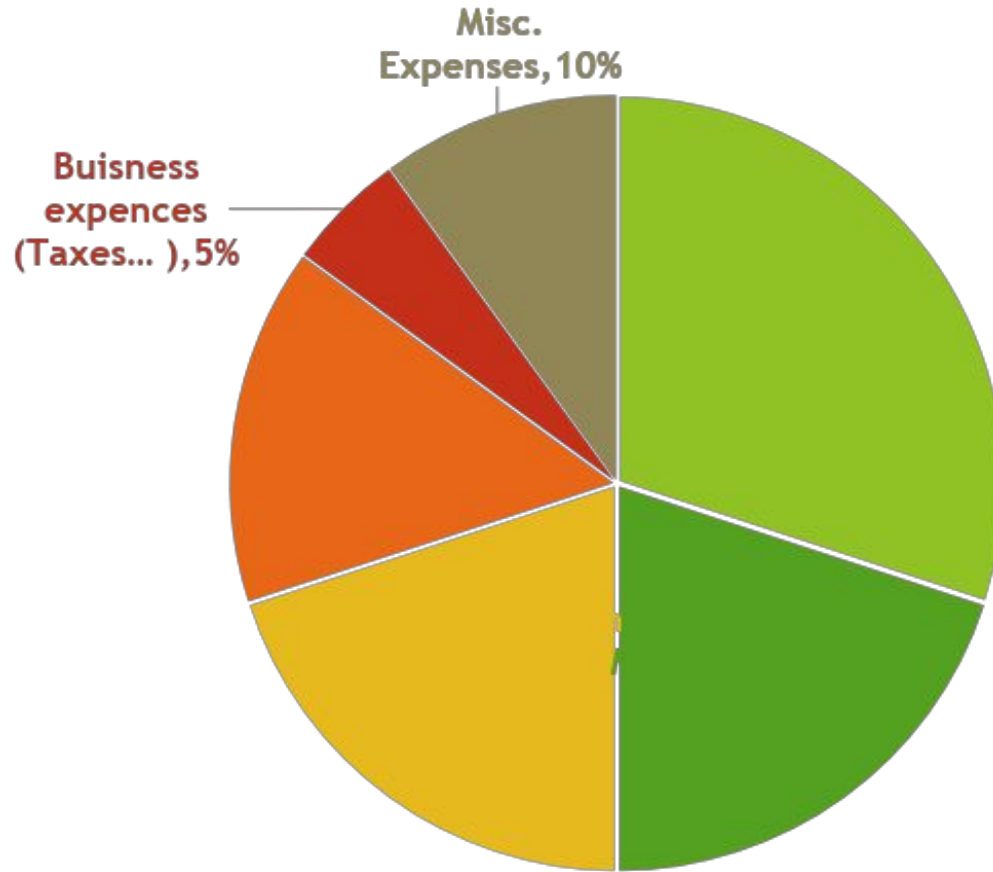
TEG application in houses and cities



Finantial Projection



How we use awarded money





Business Model

