AutoEcoCharge

Transforming Movement into Sustainability

Need for energy transformation

Initial characteristics

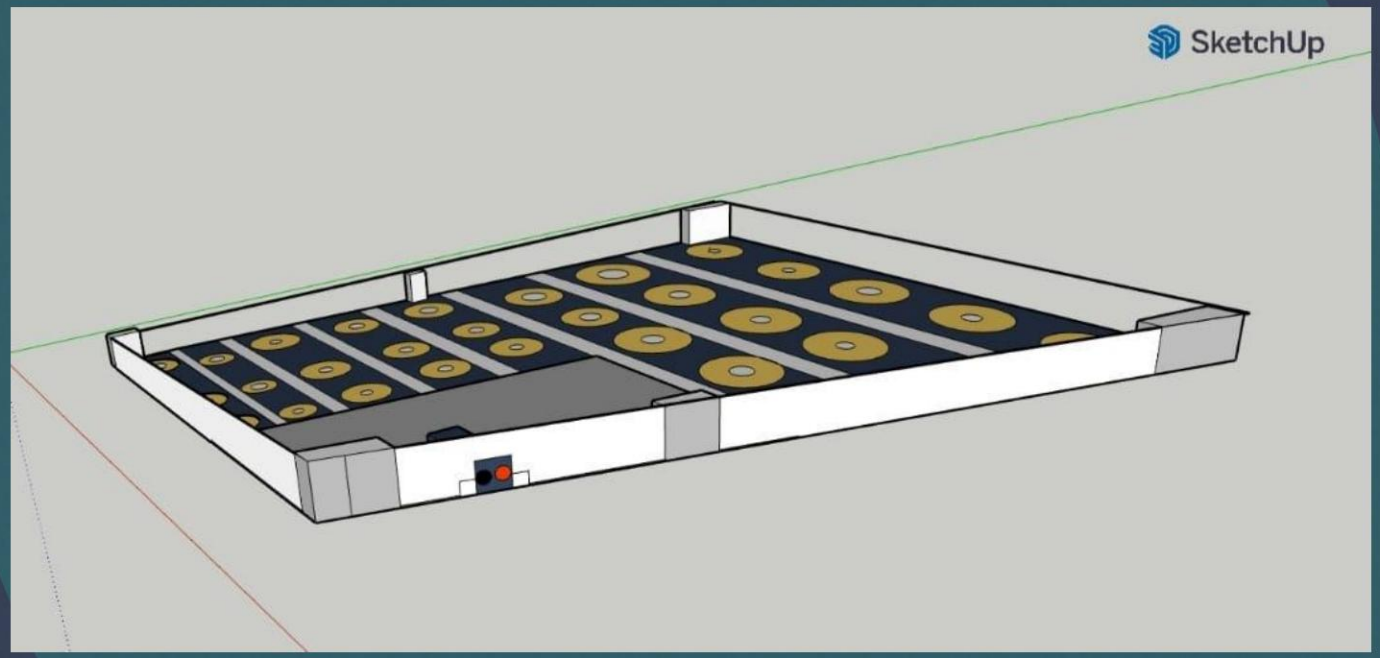
• Panel with 200 piezoelectric sensors •

Area occupied by these sensors of 2400 cm²

• Total area of 2500 cm²

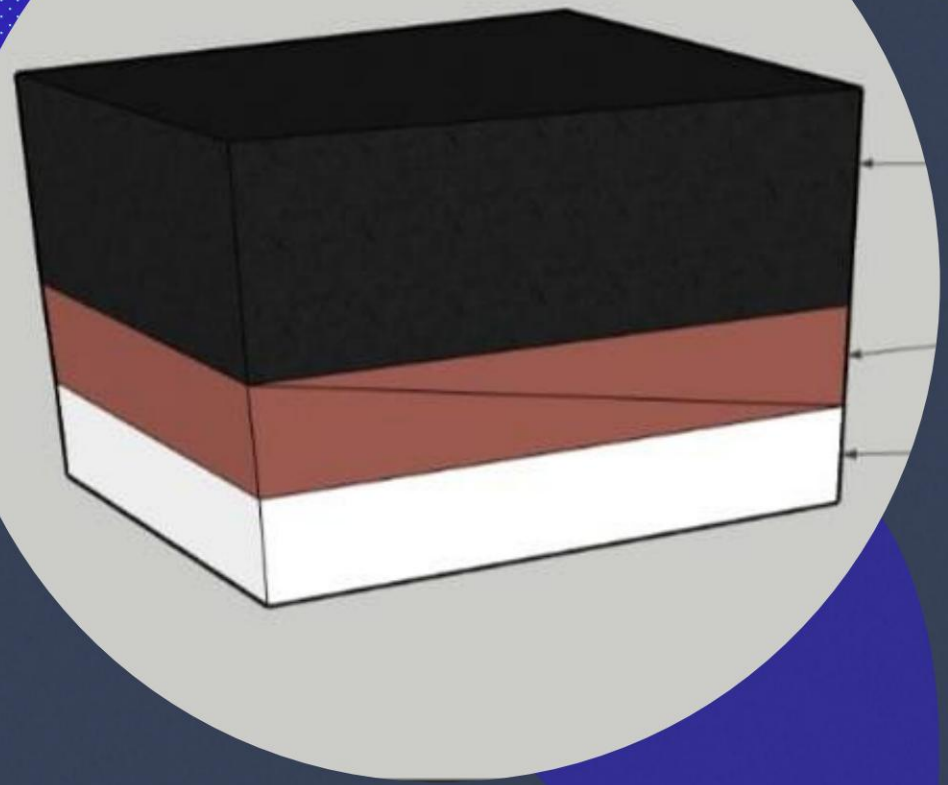
• Device that can be used on paved roads/highways or sidewalks • Transforms your movement into

sustainable energy



Application model

- Under the asphalt (layer of up to 15 cm thick) asphalt depth)
- Hard rubber pre-coating (5 cm deep)
- Plastic top and closer cover (1 cm)

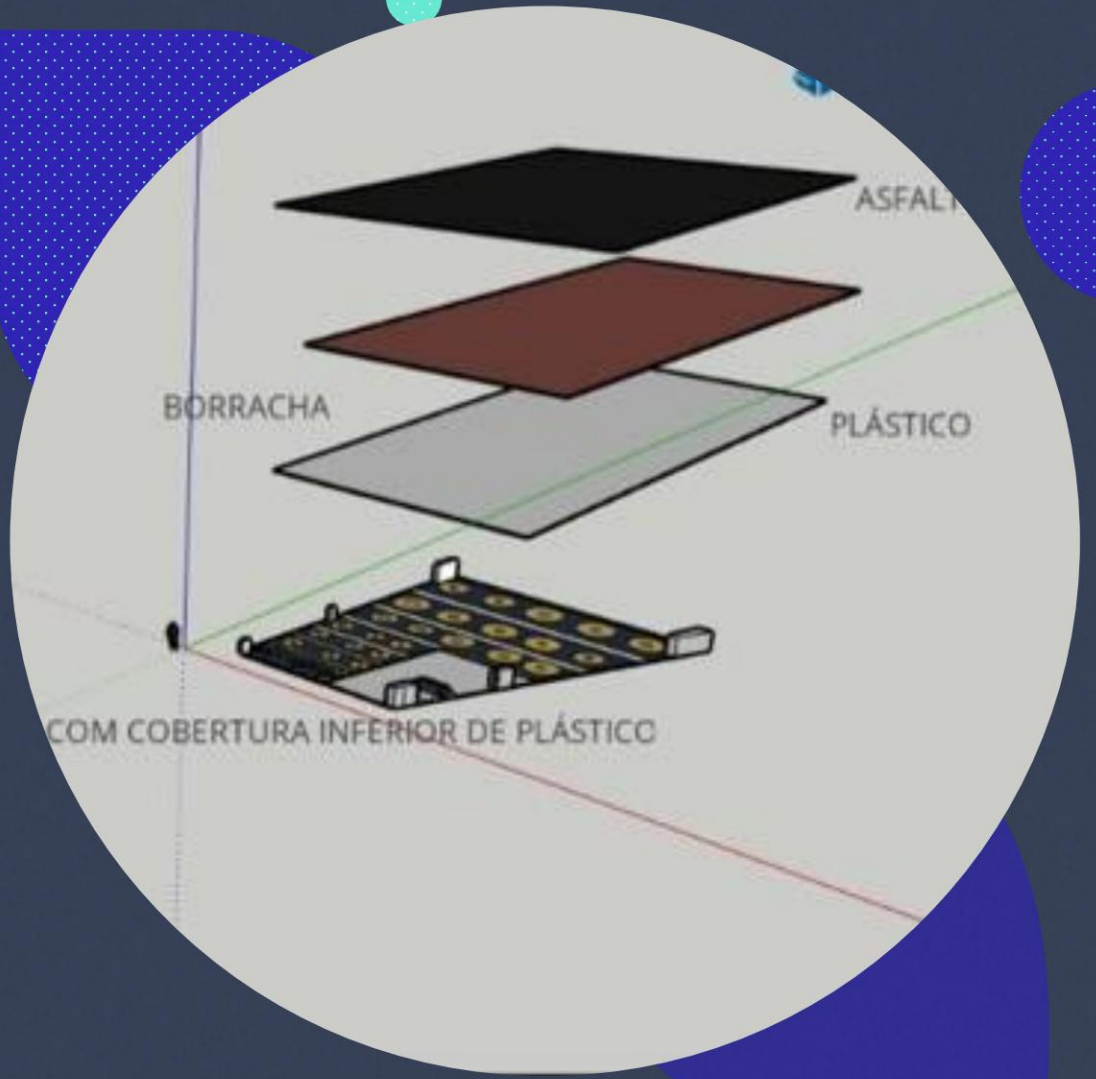


Application model detached

Asphalt or cement sidewalk

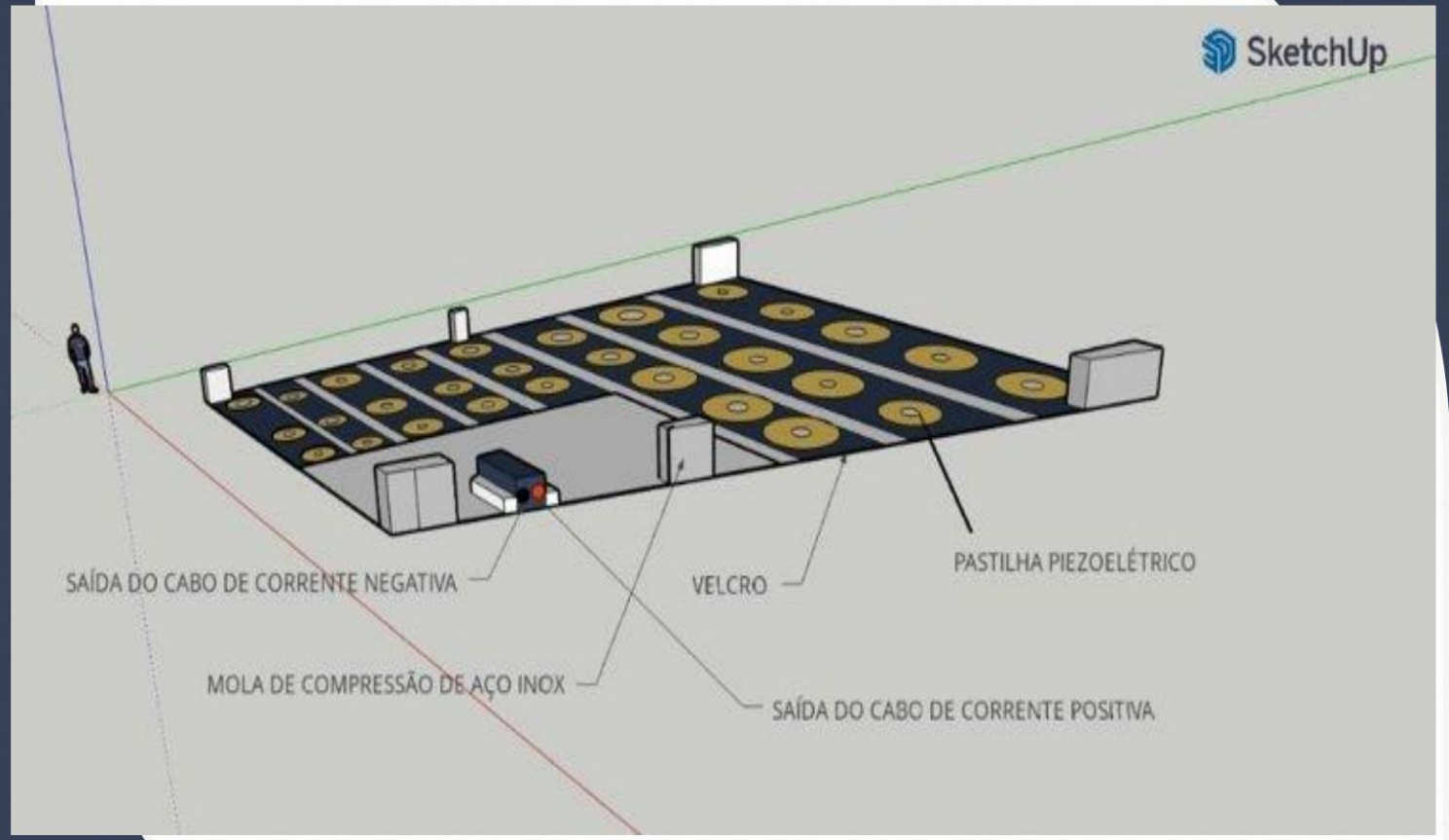
Hard rubber

Plastic supported by compression springs

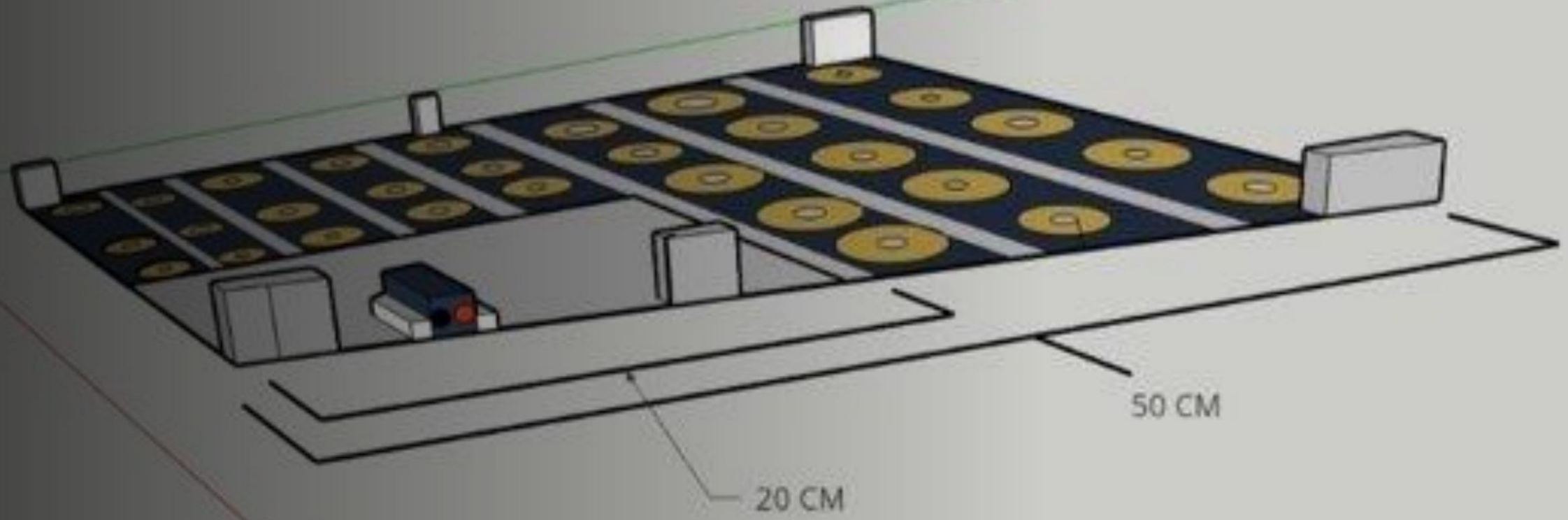


Main panel specifics

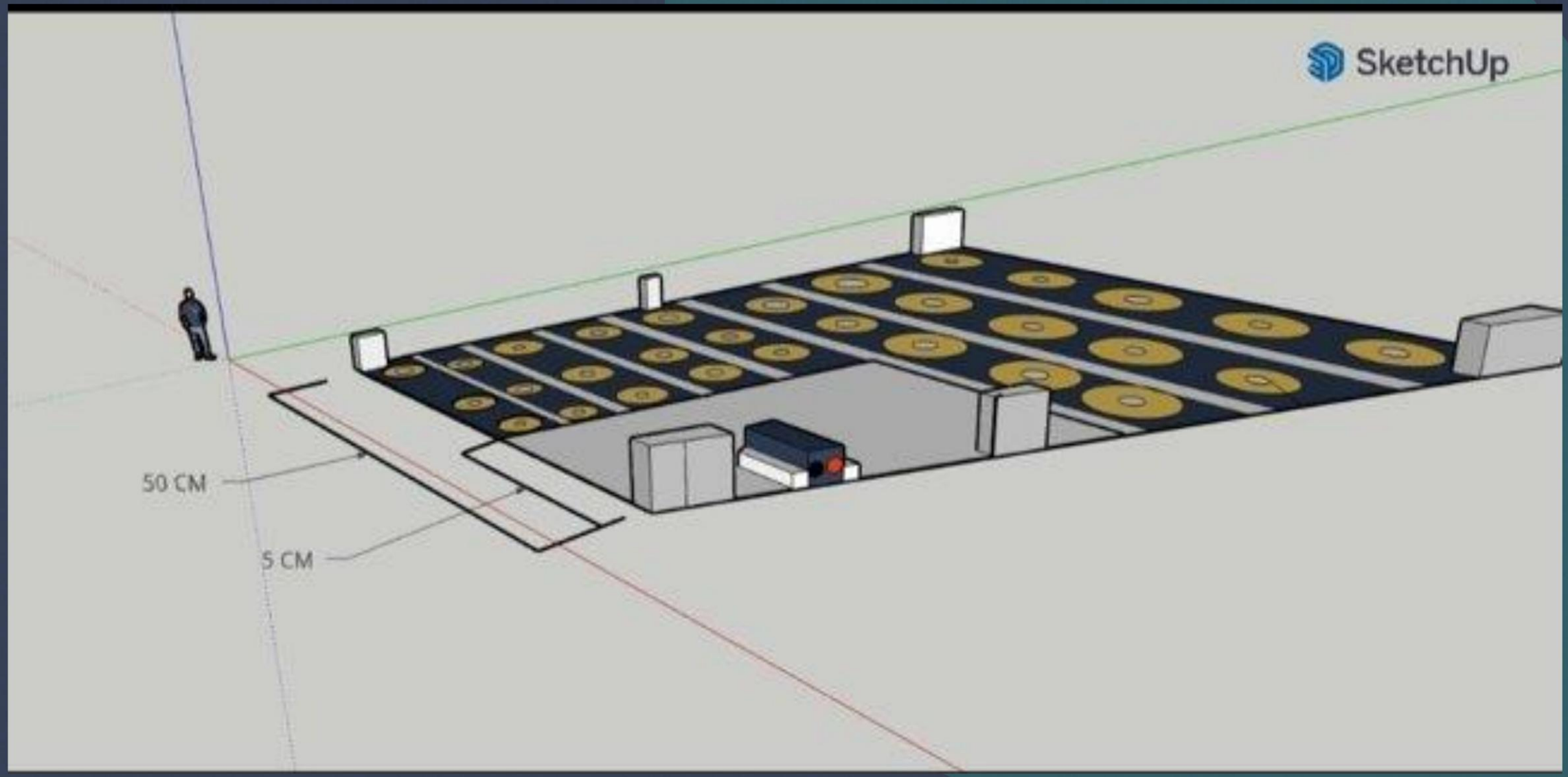
- Piezoelectric tablet
- Velcro holding the pads
- Plastic supports generate energy through springs when compressed (use of springs made of similar materials) to the shock absorbers of automobiles)
- Output of the cable meeting of the same type of current (negative or positive) in a single cable of each type, being able to be extended its output range by coupling cables of the same type of current



Dimensions



Dimensions



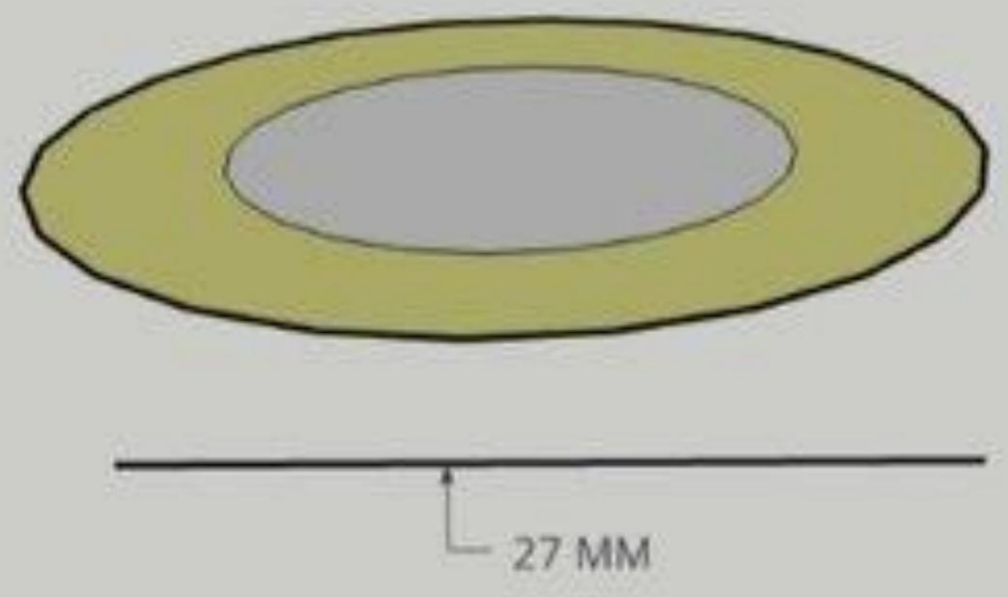
Dimensions

Zirconate lead
titanate composition

(PZT)

Converts up to 80% of energy

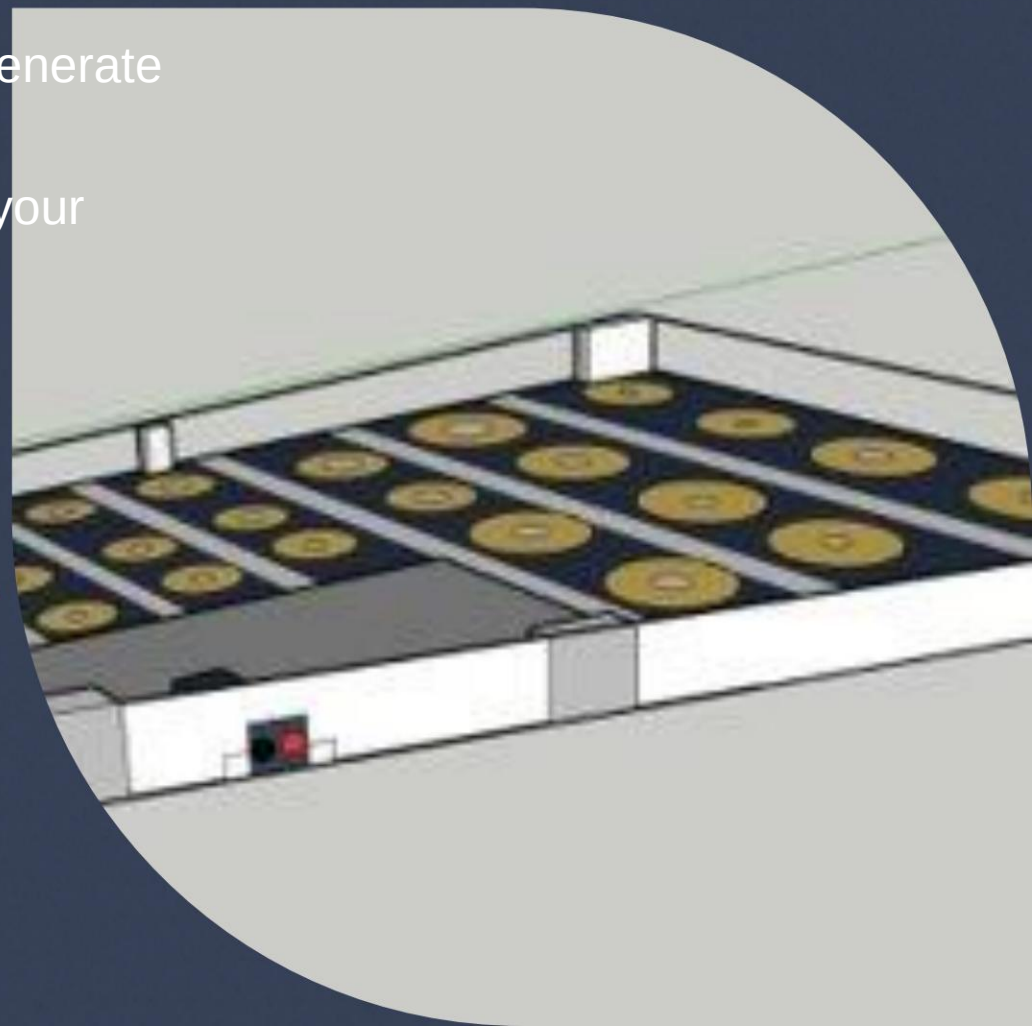
mechanics in electrical



Energy production

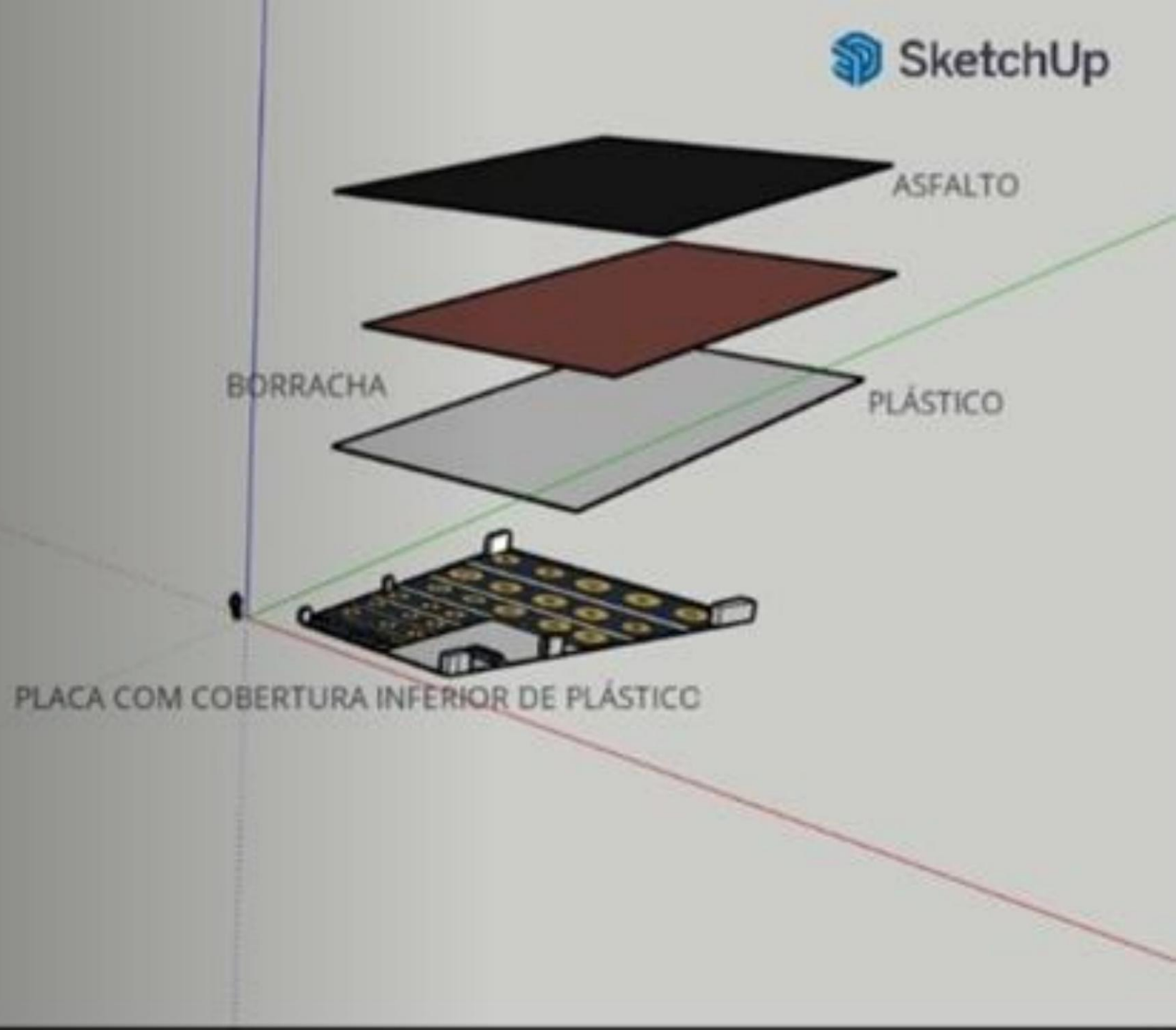
• Every 1.5 AutoEcoCharge panels per day on a busy highway generate light for a streetlight for 12 hours straight •

Generating outdoor light efficiently and applicable, transforming your movement into illumination



Use of recycled materials for production

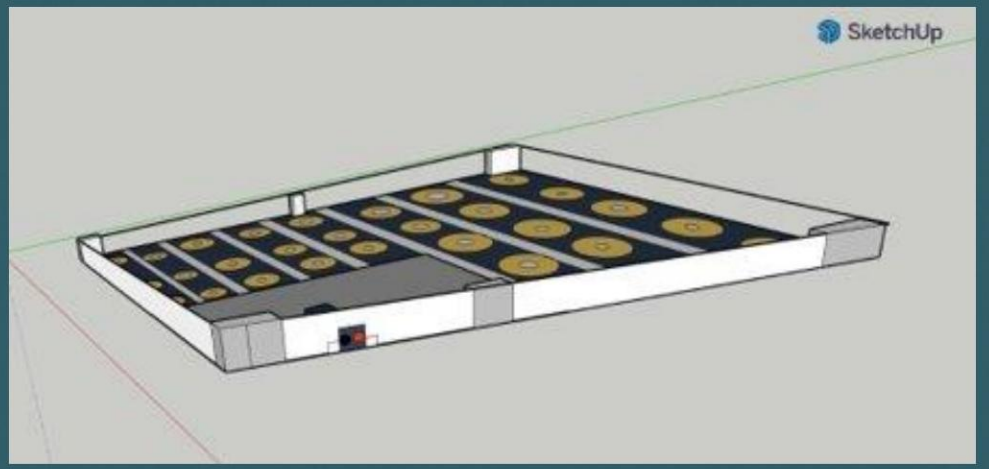
Recycled plastic



Production cost

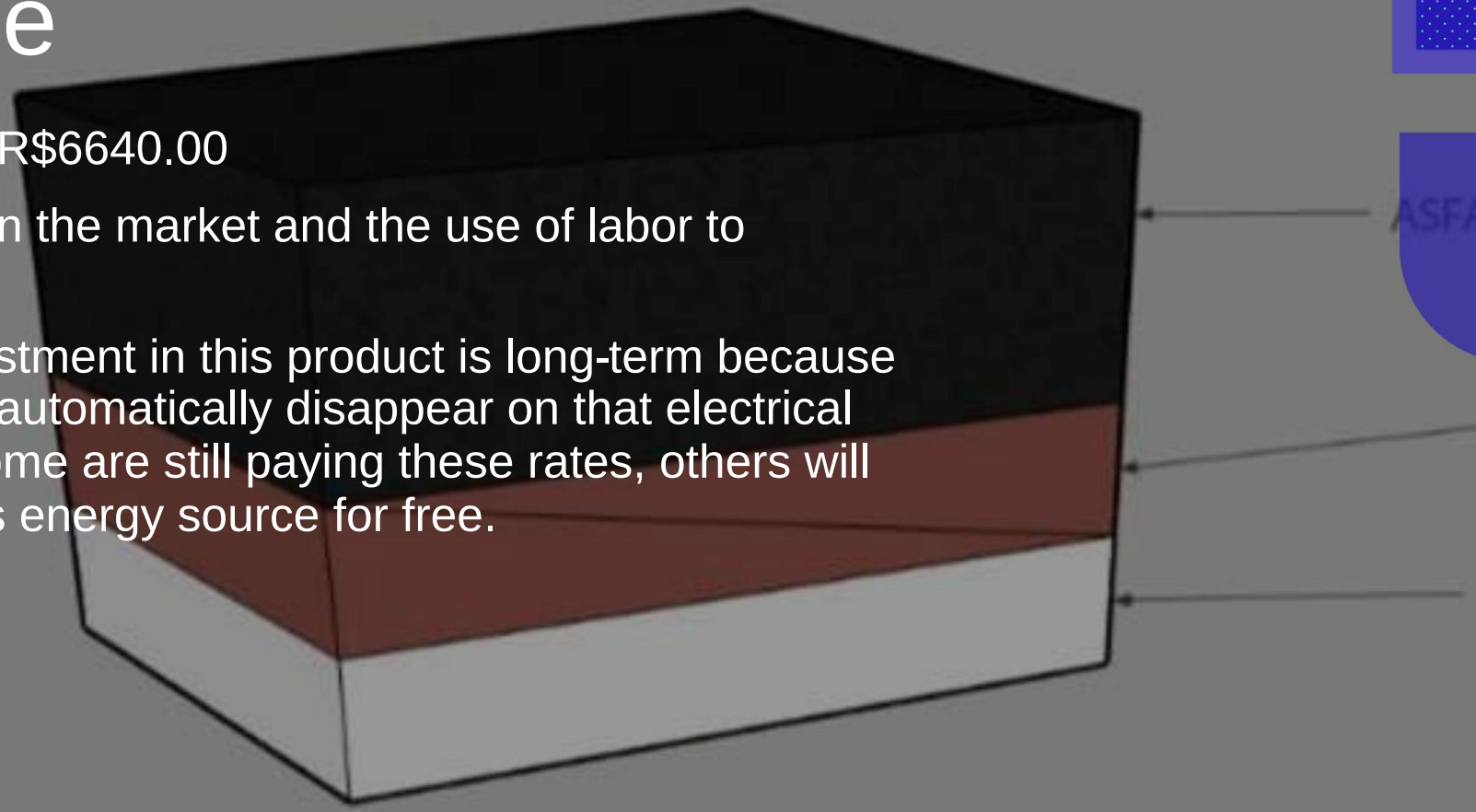
- Approximately R$3140.00

• Counting the price of 6 compression springs (close to shock absorbers); 200 piezoelectric transducers, extension of the positive and negative current cables; use of plastic to cover the panel by sides, below, above, and at the exit of the meeting of the cables in one of the same type of chain, i.e. one end cable only of negative current and one of current only positive; use of rubber as a covering pre-lay for cement/asphalt; use of velcro holding the sensors.



Selling price

- The sale price will be R$6640.00
- Given the innovation in the market and the use of labor to produce this panel
- Furthermore, the investment in this product is long-term because the electricity rates will automatically disappear on that electrical appliance and, while some are still paying these rates, others will already be enjoying this energy source for free.



Methods of inserting the product into the market

- Use of platforms such as Instagram and LinkedIn to offer greater reliability to the buyer
- Patent project
- Place product in prominent construction stores
- Place product on platforms where there are affiliates to promote the product

Main potential buyers

- Union purchasing service for the measures governmental
- We can also use other organs.
state and municipal government agencies to order AutoEcoCharge panels

Main potential buyers

- Real estate market
- Purchase the product to produce external light for condominiums, buildings and houses (spotlights, internal building light, streetlight, etc.)
- Goal of selling to main companies in this market niche

Social media

Instagram

https://instagram.com/grupo.fadaf_inteligencia?igshid=MzMyNGUyNmU2YQ==