



2760 MWh
annually energy production

The sunlight creates solar thermal with the **parabolic trough** with the shape of golden grain reminds the audience how important agriculture and the transportations were in the steam engine industrial revolution., which was the beginning of the Modern movement until now, the importance of re-new energy in the present time.



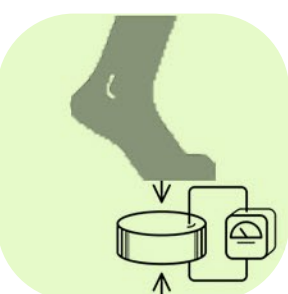
0.02 MWh
annually energy production

The land art welcomes visitors to be part of the project by turning their travel & play on site to be energy by pushing the arm of the handcar while they ride, it will create **kinetic energy** as well. At daytime the kinetic energy stored in the batteries inside the berm for automatic run at nighttime.



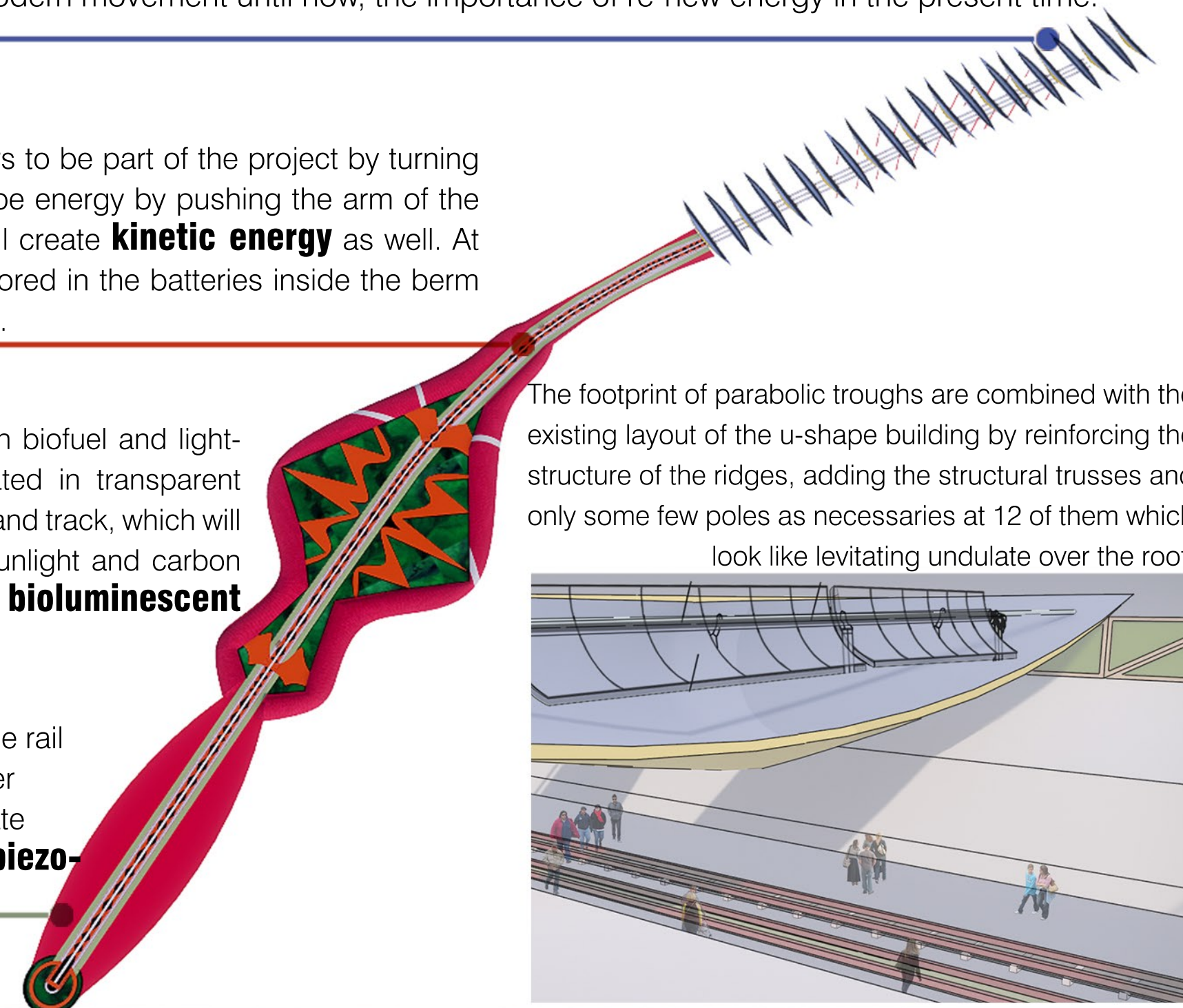
824.7MWh
annually energy production

The algae which produce both biofuel and lighting. There are algae cultivated in transparent tubes along the edge of berm and track, which will react chemically with water, sunlight and carbon dioxide. Then it turns into a **bioluminescent light**.

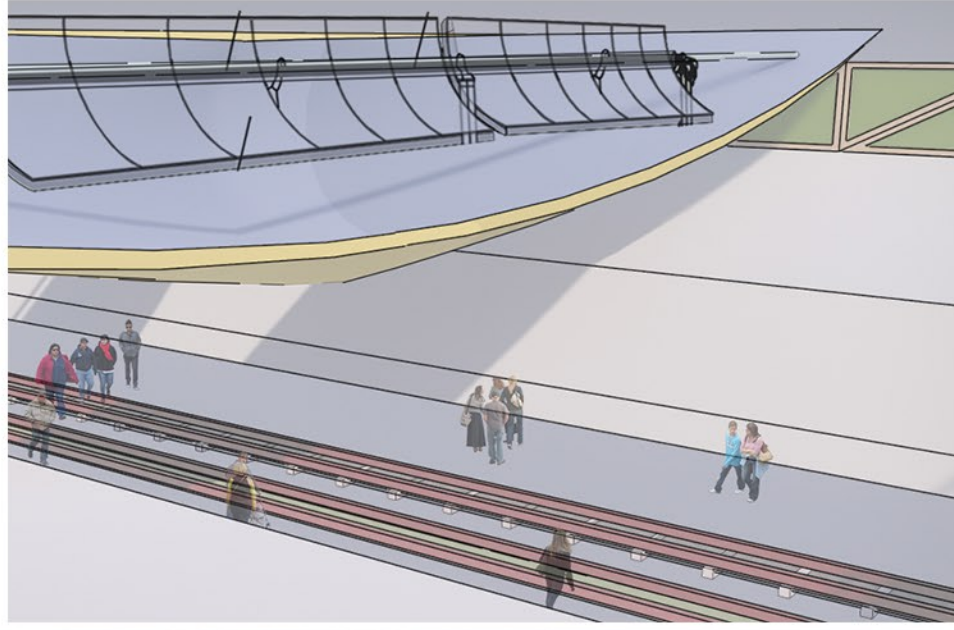


320.5MWh
annually energy production

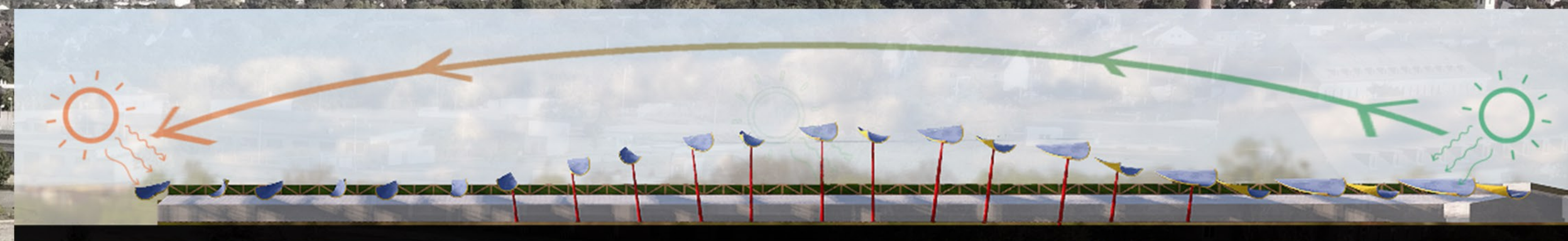
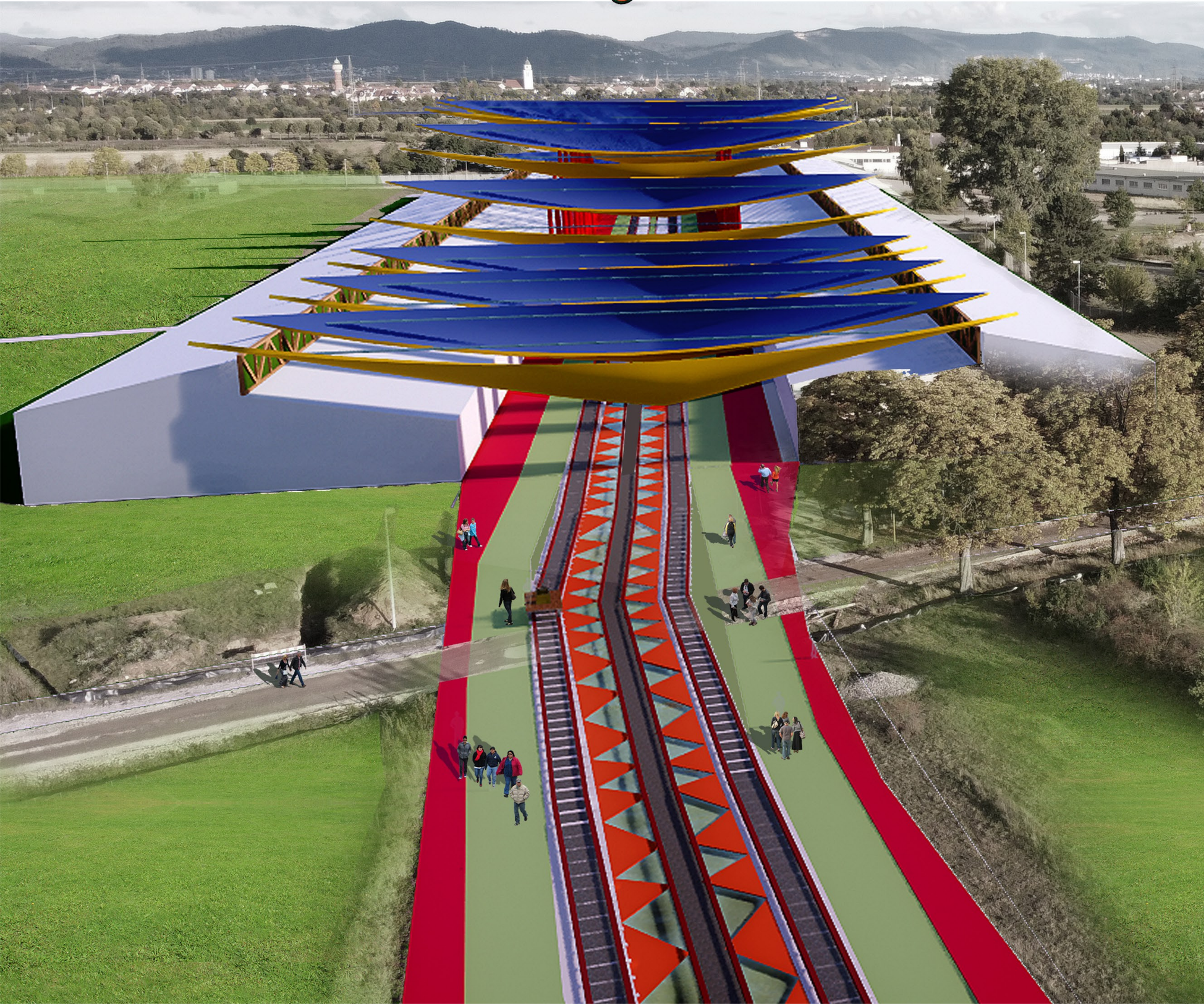
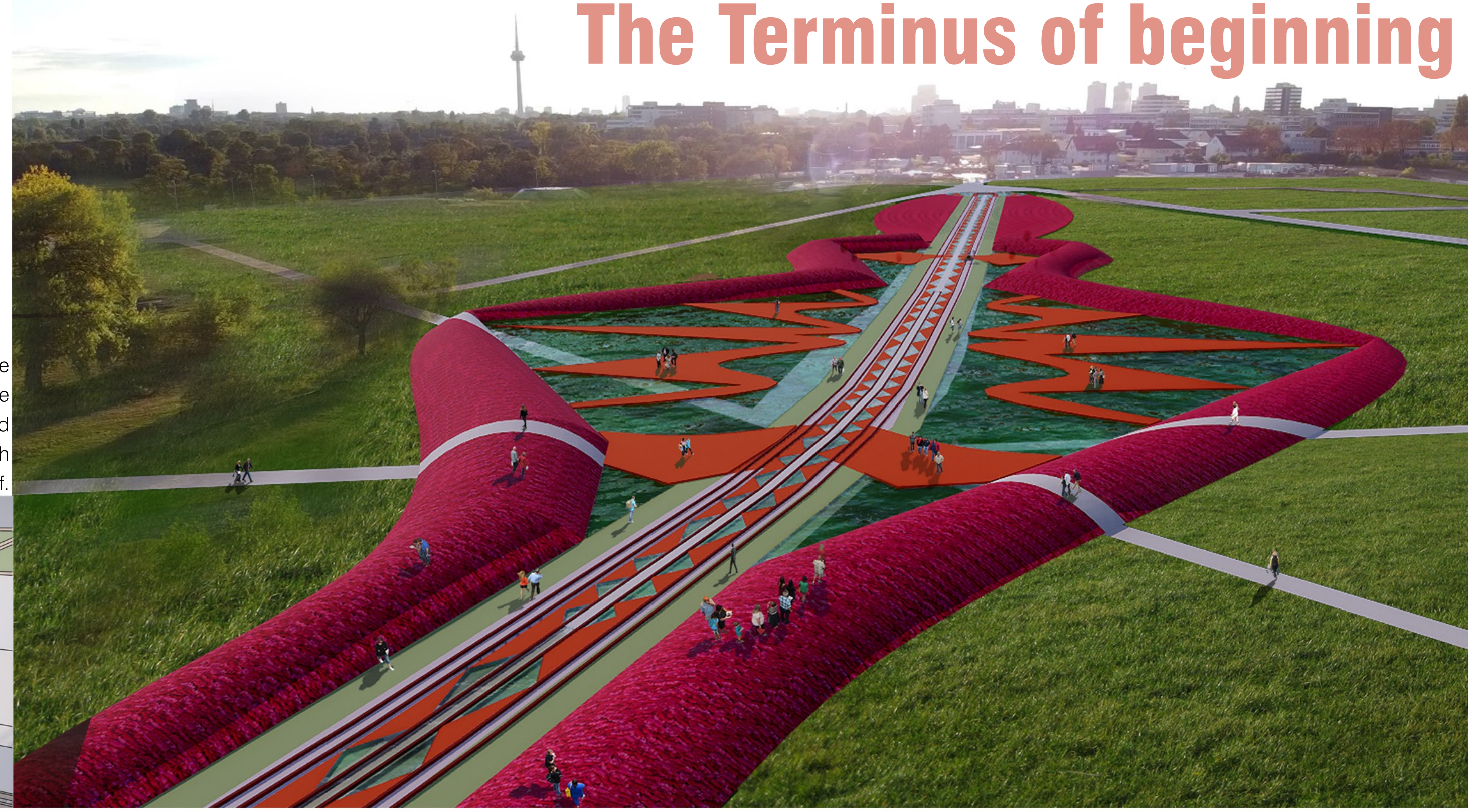
The berm & pathway along the rail track finished by EPDM rubber flooring and PZT(lead zirconate itanate),the material plate of **piezo-electric effect**.



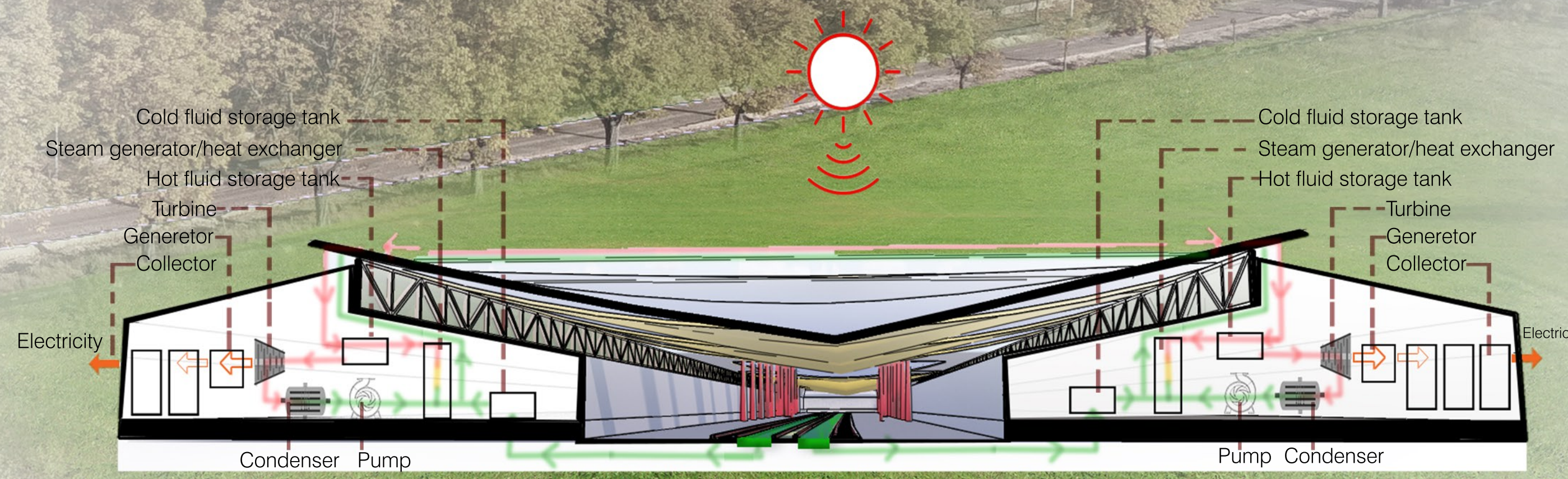
The footprint of parabolic troughs are combined with the existing layout of the u-shape building by reinforcing the structure of the ridges, adding the structural trusses and only some few poles as necessities at 12 of them which look like levitating undulate over the roof.



The Terminus of beginning



The trough faces the sun light from both the East and the West and turns the solar to be energy and collects inside the buildings. Each location of the trough are overlapping and alternating,not only to collect each side of sunlight but also to avoid the unforeseen eyesore from the glare. The designed distances and positions between the curvature rows to avoid the impact of shadows,too. These make it as big grains float above the roof.



The grain shape of parabolic trough, although it functions for collecting the solar thermal but the location which is higher above the roof. In addition, the space, like the courtyard of u-shape building under it, will act like ventilation tunnel. Therefore, it would not expand the heat to lower area or the visitor.

Bioluminescent light and biofuel production from algae pond:
Algae pond create the biofuel and fluid material for parabolic trough, while some part in the transparent tube lighting up the trail at night.

