JANTA POWER

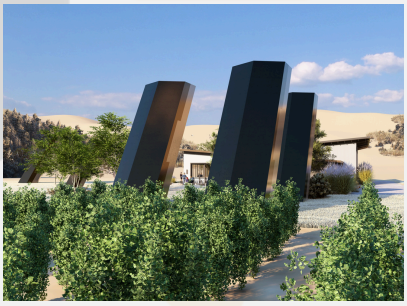
SUBMISSION SUMMARY

THE PROBLEM

- Current Solar technology requires a large amount of land or roof space to produce sufficient energy. This alienates all consumers that want clean energy, but don't have the space available.
- Current Solar technology has a lifespan of less than 25 years. This is because heat, moisture, and dust degrade the panels over time. These factors also affect the performance of the panels.
- The need for land and a shorter lifespan makes solar energy costlier than it should be. The need to clean and maintain the panels from dust and moisture also adds to the cost of solar energy.

THE SOLUTION

- Most solutions can be found in nature. Trees, being some of the biggest consumers of sunlight, do not spread across the ground in a 2-Dimensional manner. Instead, they grow tall to capture the maximum amount of sunlight while using the least amount of land. This is because nature is 3-Dimensional.
- As civilization expanded and populations grew, the need for land increased. Humans went from living in single-story buildings to multi-story buildings, to house more people while using less land. Imagine if we could do the same with our energy technology. The result would be a technology that can produce a lot of energy, using little land or space.



THE PRODUCT

- We developed a novel 3-Dimensional approach to producing energy. The power produced is now proportional to the height of the smart tower. Less land/space is now required to produce energy.
- Our technology also insulates and protects the panels from wind, dust, moisture, and heat. This helps extend the lifespan of the system, and reduces the need to clean the panels.
- Using less land, producing more energy, and having an extended lifespan results in a low cost of producing energy. Our technology can produce energy at less than 2 Cent/KWh.