SMART STRUCTURE

The key is to create technology that can co-existence with vegetation by incorporating a sensor that dynamically aids / protects trees to help them mature over time, by providing vital shade and moisture through imaging and real time data collection. We believe we can recreate a rainforest through this innovative piece of infrastructure that will show case / (demonstrate to) the world a new way of architectural form generation that works with nature and its people who inhabit within. 80 Number of stainless-steel posts 200mm in diameter which will be able to extend from 15 meters to 25 meters.

EXTENDABLE DYNAMIC ARMS

The 200mm diameter stainless steel tree shape extendable post will contain four extendable branches on top that hold geometric designed networks of flexible solar panels. The branches will have a scissor like action that will have its independent locomotion that can integrate lifting and propulsion from a single power source, be it electric or solar/battery. It will be simple in maintenance and aesthetically ties in with the mesh photo-cell system above.

FLEXIBLE SOLAR CELLS

Flexible solar panels act as a mesh that provides essential shade for plants and trees to survive under the heat. The mesh will extend gradually as it senses the plant maturity over time and gives more sun light to match their growing need. This means the height of posts will also reflect the growth of the trees under.





