**SAIL**

AGRIVOLTAICS FOR OPEN BLUE SKIES

**INTRODUCTION**

Parks are spaces where people come to enjoy the fresh air, natural light, **open blue skies** and beautiful flower display in warm sunny weather. The design of the Agri voltaic installation attempts to capture solar energy without blocking views of the beautiful open sky experience for its visitors.

The panels are designed to be along N-S paths that can provide shade at intervals for the visitors and for flower beds that require a bit of shade and can have resting benches on the sides facing the paths that will be very much needed for the elderly and mothers with infants. They resemble sails in their form as Sails are known to enhance the beauty of the seas rather than intrude on its natural beauty.

Focus during the design process was on Inclusivity, diversity and towards visually harmonizing structures in the natural landscape.

Smaller sized agrivoltaics sails for the Schrebergarten that can be installed as a roof for the green house and along country side paths to each cottage that double up as small seating enclaves for the community to meet and build strong relations

**TECHNOLOGY & ENVIRONMENTAL IMPACT**

Agrivoltaics was selected over wind turbines in order to maintain the natural diversity and ecology and be safe for bird and insect life at the parks. The solar panels installed on sail like structures from metal frames. The sails are arranged along N-S path ways, changing orientation as the paths twist and turn creating an aesthetic randomness in its arrangement. which is more in harmony with nature rather than rigid, grid like structures.

**SOCIAL CO BENEFITS**

The sails will provide intermittent shade along paths for rest, blocking off any harsh sunlight. The sails can come installed with seating. This would be very beneficial to the elderly, mothers with infants and those weak in health.

**ENERGY**

The energy produced per sail would depend on the size of the sail and the no of panels possible. This is very flexible and left to the discretion of the park authorities. The sails can be installed in any size that is higher than 8 feet.

**UN GOALS ACHIEVED**

