

SolTent

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SolTent stems from a desire to create a dynamic space that reacts and adapts to the environment and its physical and virtual inhabitants. Through its materiality and program, this architecture is living. The suspended roof structure adapts to various weather conditions. When weather permits, the fabric roof remains unutilized - creating semi-enclosed spaces open to the sky for maximum ventilation. In direct sun or rain, the roof can be rolled out with a pulley system, creating shelter during unpleasant weather. Terraced floors and suspended platforms define separate zones and use verticality to help meet social distancing measures.

Sunken areas provide smaller meeting spaces or storage for AV equipment. Elevated areas create spaces for performance and give virtual inhabitants an ideal vantage point. The suspended platforms are encased with wood rods that act not only as a safety barrier but are also equipped with PV powered LED lights. This lighting reacts to the number of inhabitants in the space, glowing to indicate physical and virtual presence. Optimistically, SolTent imagines a future where the Outside is no longer a required environment for socialization. To indicate our changing world, the proposed fabric roof is a bioengineered material that will disintegrate as the threat of Covid-19 subsides and the pavilion can fully embrace the outdoors.

Precedent

