



SURGE

DESIGN: INGENUITY & BUILDABILITY

SURGE responds to local climate and culture, while balancing aesthetics, economy and safety. With the size of 300m*70m*45m(average high clearance 25m), SURGE covers the site with 19600m² projected area. The main shelter is composed of identical energy harvesting units interconnected in chains, which is low cost, simple in construction, and also adaptable to variations in space and light. The unit maximizes the collection of energy in both upward and downward directions. Transparency in the material makes large scale shading sculpture feel lighter. Ultra-fine columns provide reliable support and unobstructed view, make natural ventilation and people's free activities possible. Applying cutting-edge and marketable energy technologies, combined with innovative breakthroughs in engineering, SURGE maximizes the collection of natural energy, collecting both solar, wind and human power by highly integrated design, generates 9,582,345MWh clean energy annually.

