

POWER GRID

POWER GRID hearkens back to the natural phenomena that kept our climate in harmony before human intervention, creating a simple yet profound refuge of trees amongst the high-tech buildings and infrastructure of Masdar City. 536 drought resistant Ghaf Trees, the national tree of the U.A.E., are planted in a simple hypostyle grid, inspired by traditional mosque architecture, and on axis with the nearby solar farm's panels. Each tree passively sequesters carbon, attracts fauna, and contributes to a shady, cool, microclimate. The trees are inexpensive, and forgo the embodied energy of processed, man-made materials.

An array of sensors, powered by low voltage derived from the trees themselves, tracks each tree's growth and environmental contributions. These data are displayed in real time on trees within the site itself, and at other key locations throughout the city, encouraging us to pause and reflect upon what we can learn from nature in our efforts to become more responsible inhabitants of the planet.

هذه بيئتنا لنسأ رمسز ورايسا
فسي دار زايسد والخاليسق يغقسون

يا روعسبة النسمات ييسن الزوايا
شوفسوا الصحاري نضها حي في الكسون

