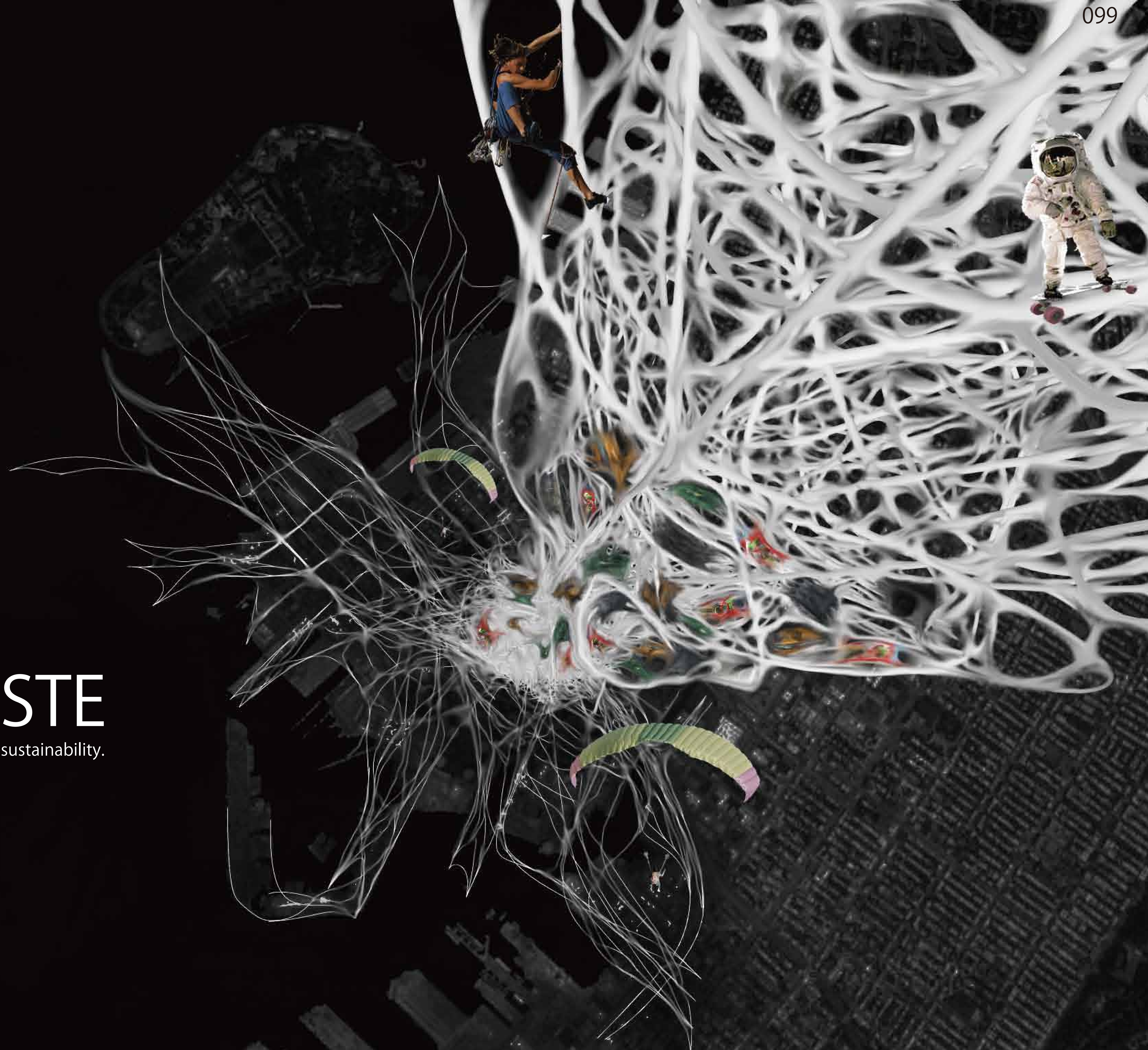


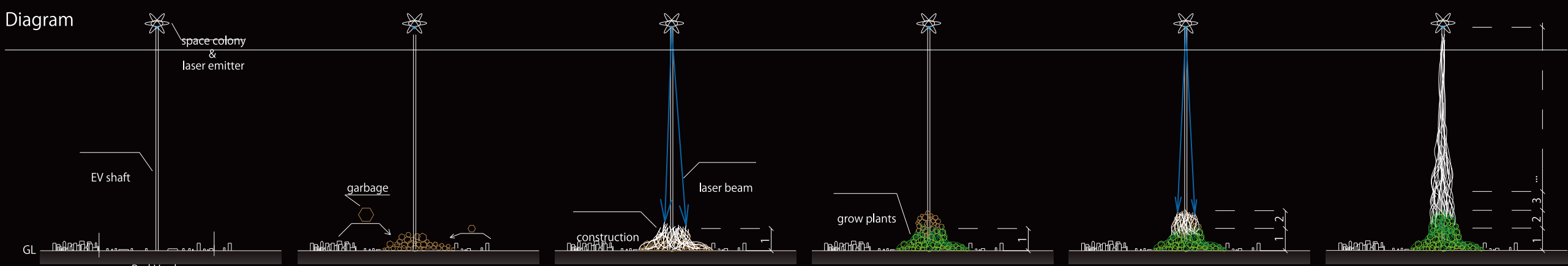
ERRATIC WASTE

The near future at Red Hook, New York in a post sustainability.

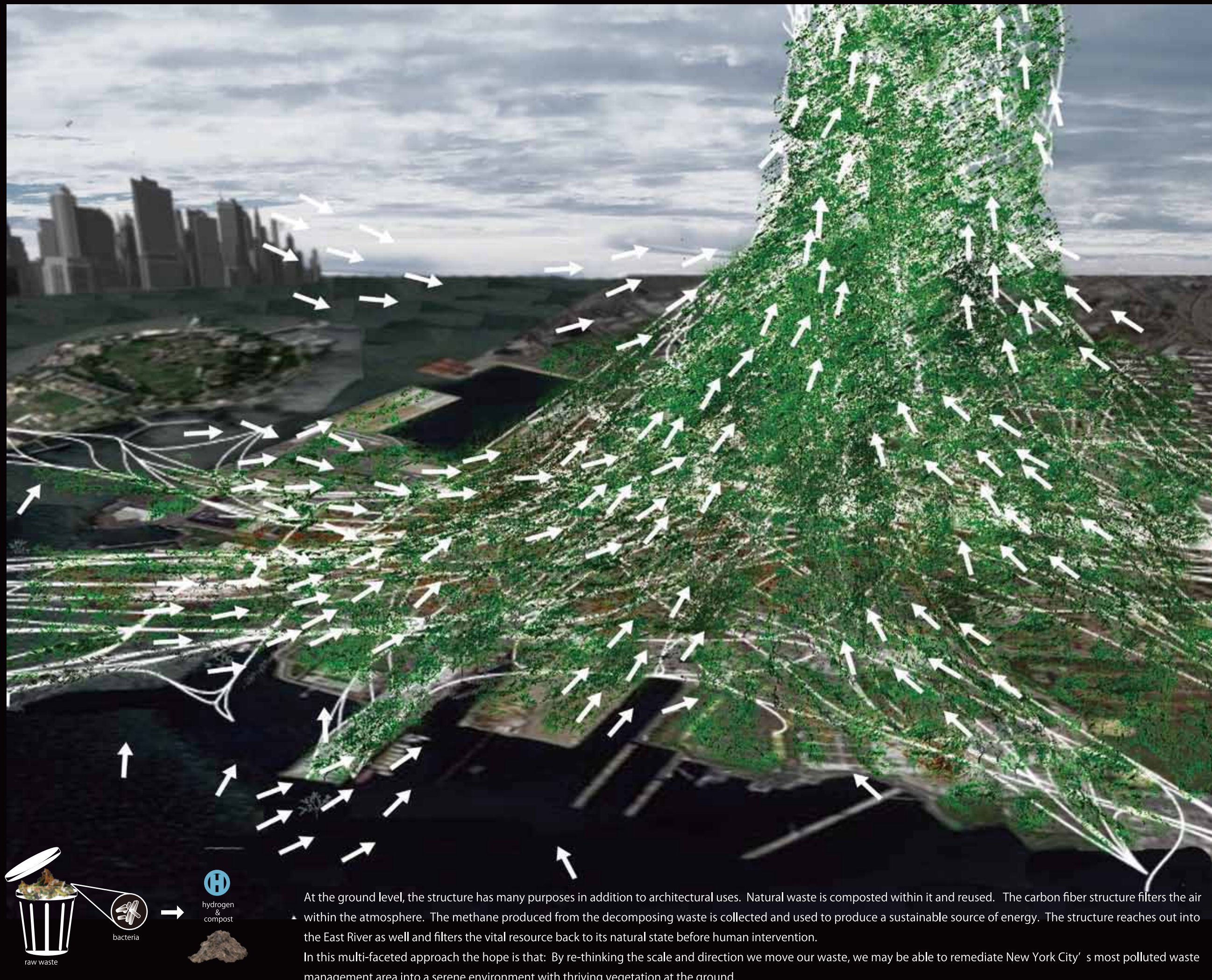




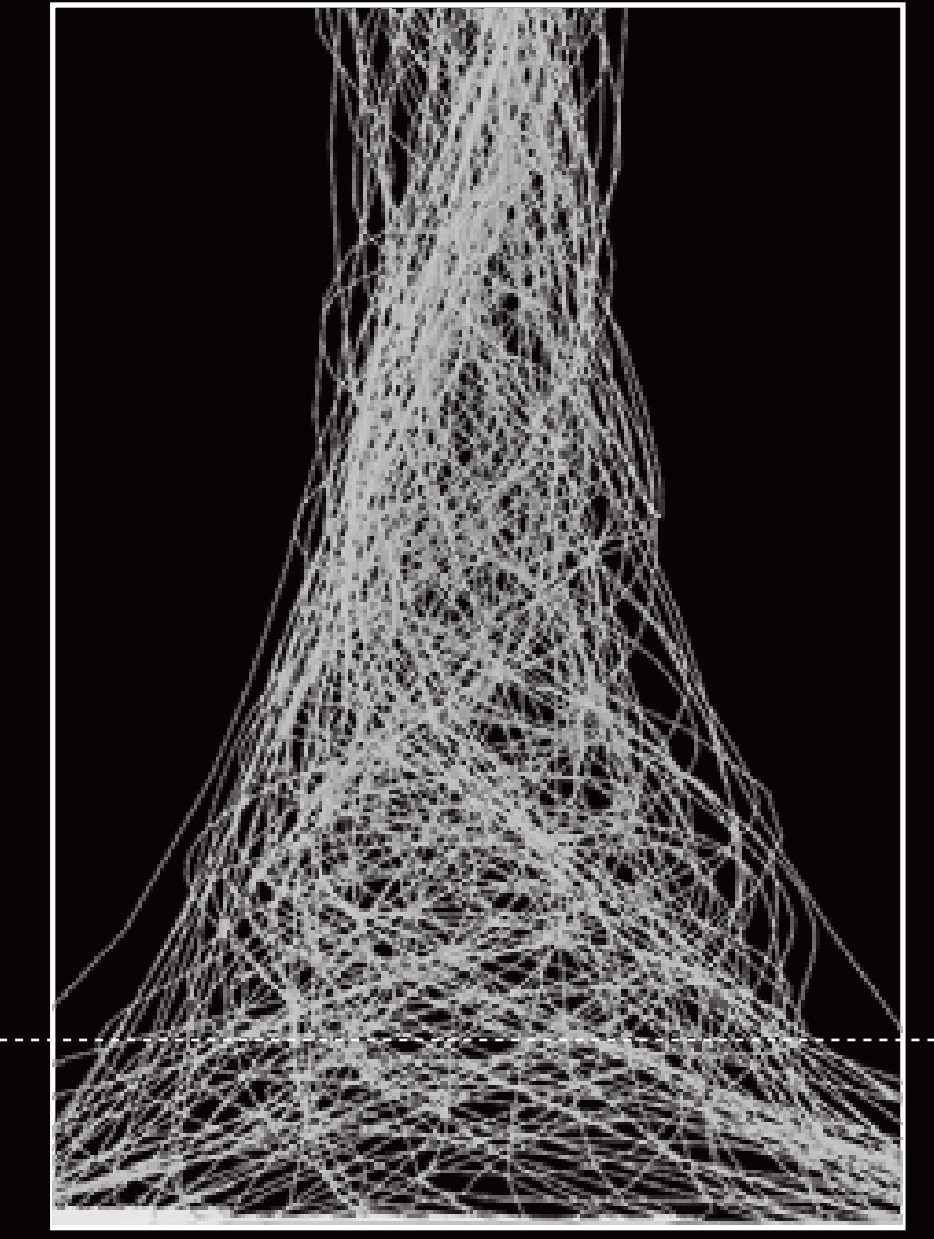
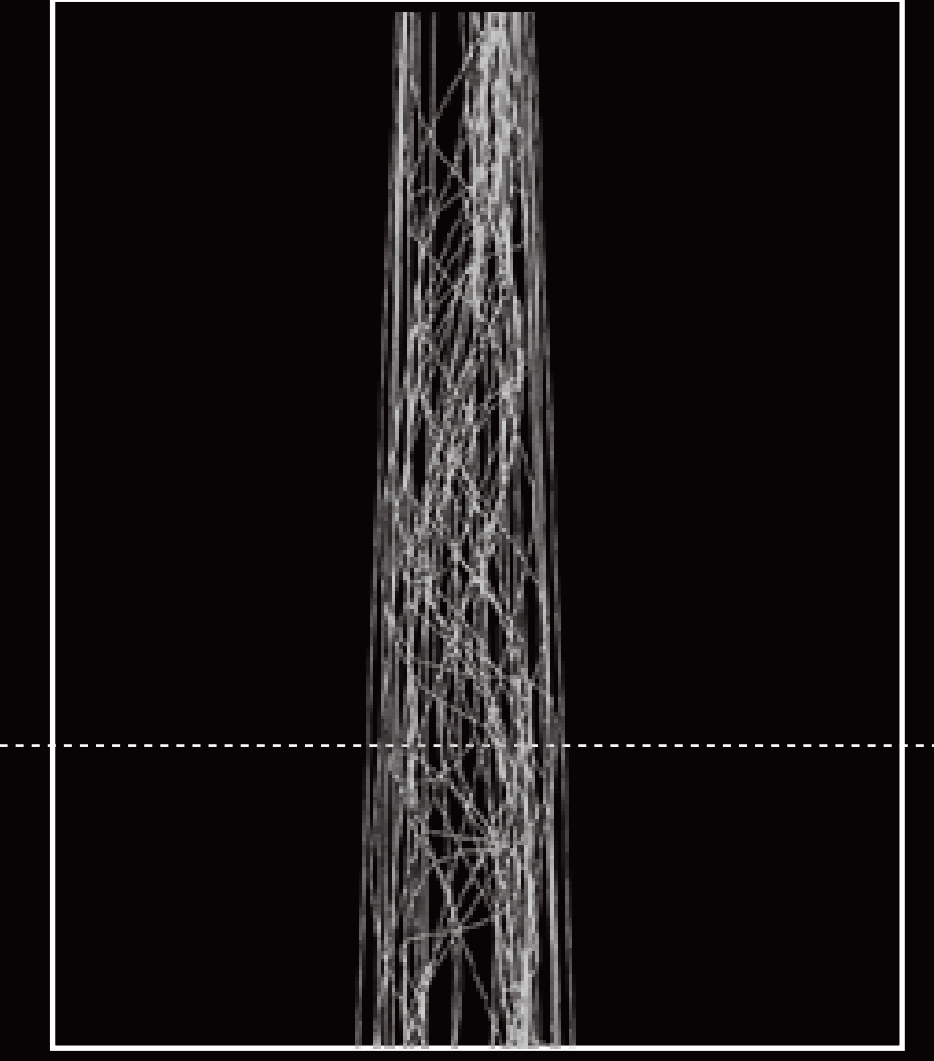
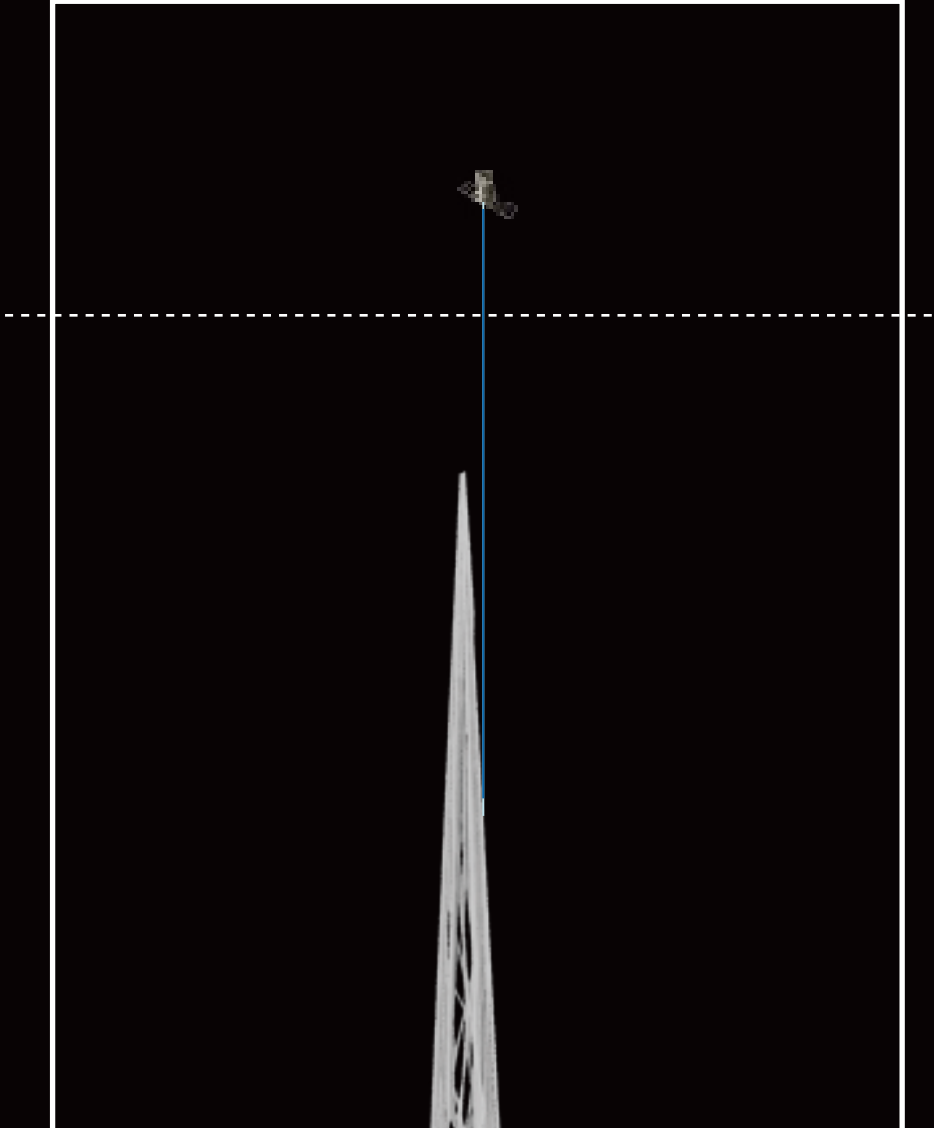
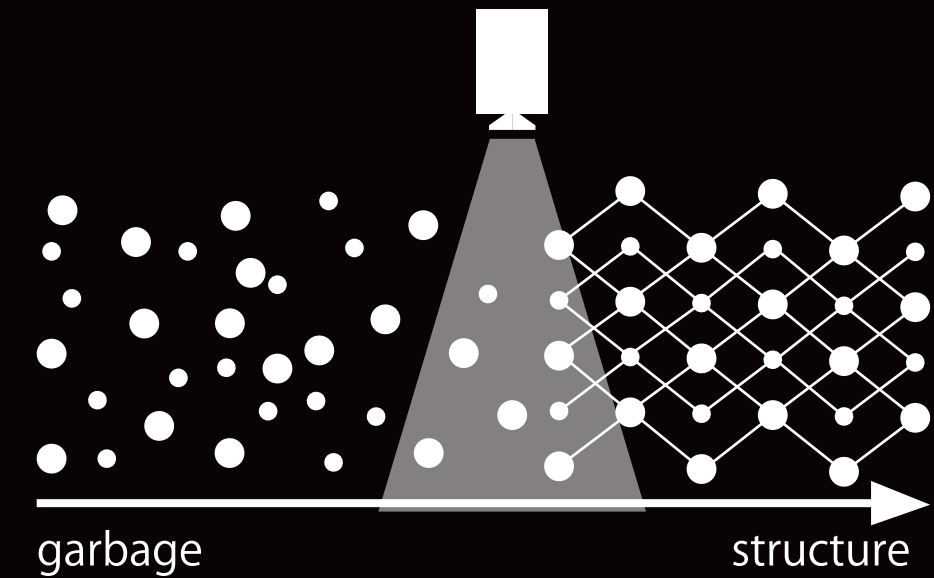
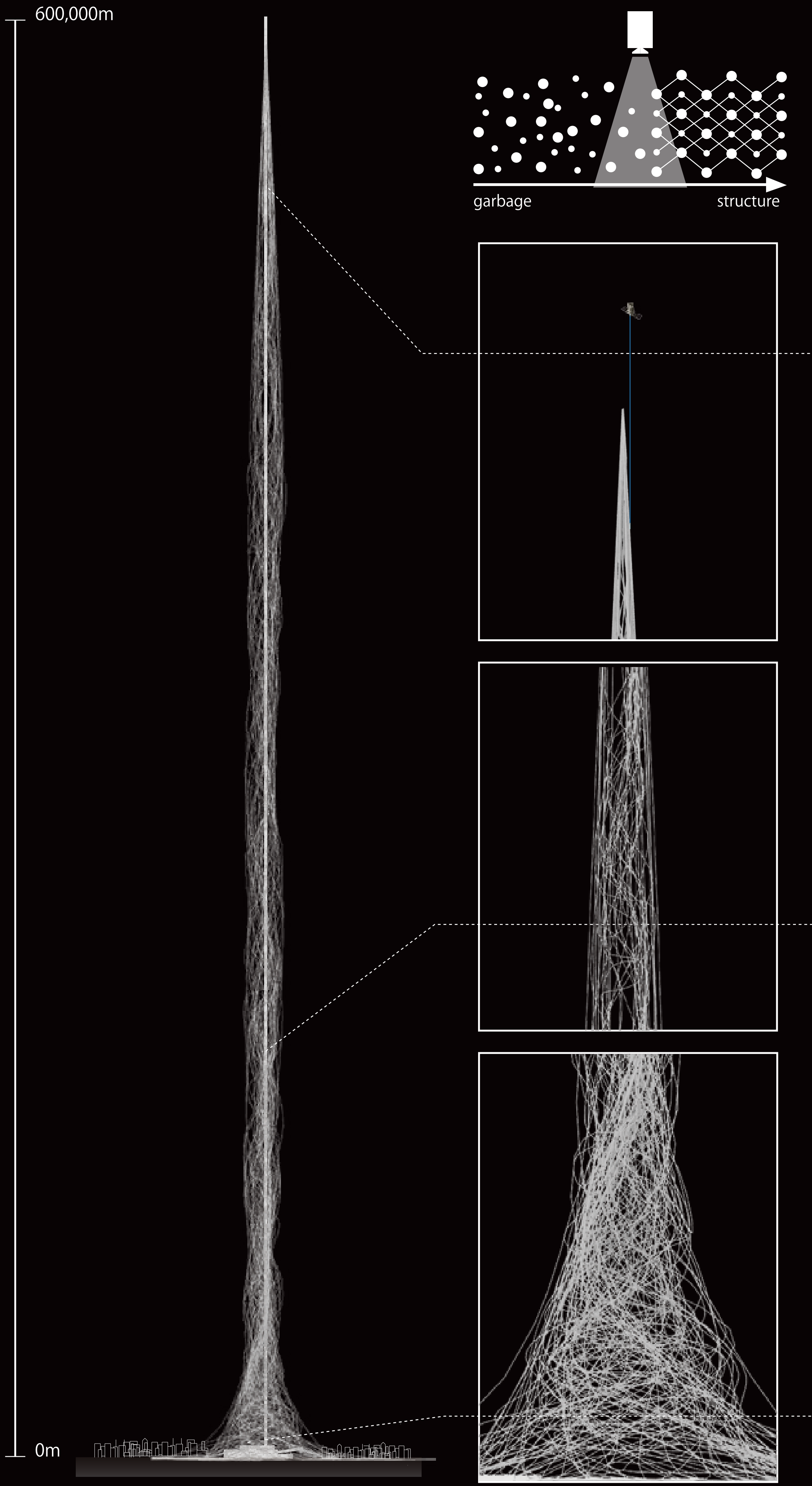
In the near future, the construction of the space elevator also serving as a waste disposal is completed...



In conjunction with the space elevator, a remediation and recovery of the urban environment of New York City is attempted. Using a powerful laser in space, the waste and pollution produced in the city is collected and aggregated around the space elevator's core. The laser in space then builds a carbon fiber net around this waste in order to integrate it into a cohesive structure. By using the material properties of the waste, the structure is constructed. At the ground level, the structure allows for occupancy by various programs (e.g. office, retail, and residential spaces). Thus this remediation of waste gives birth to new spaces that people may enjoy.



At the ground level, the structure has many purposes in addition to architectural uses. Natural waste is composted within it and reused. The carbon fiber structure filters the air within the atmosphere. The methane produced from the decomposing waste is collected and used to produce a sustainable source of energy. The structure reaches out into the East River as well and filters the vital resource back to its natural state before human intervention. In this multi-faceted approach the hope is that: By re-thinking the scale and direction we move our waste, we may be able to remediate New York City's most polluted waste management area into a serene environment with thriving vegetation at the ground.



The space elevator allows access to the space station. The structure is supported by the recycled garbage and waste. The laser, located in space, collects the garbage and builds it into the structure. This adaptive reuse of the waste simultaneously constructs the support structure of the space elevator. This has reference to photopolymer technology.



In one day, New York City produces 27,000 tons of garbage. However, despite this high level of waste, it lacks a junkyard or a location to place this garbage. A large amount of this garbage is shipped out from Redhook, Brooklyn. By locating this space elevator in Redhook, this new method of waste management integrates itself into the current system and revitalizes a polluted location.

