



"DYNAMIC EQUILIBRIUM CITY"

Posted on September 26, 2022 by xavigonzalez



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Living organisms break down their own cells while repeatedly produce new ones in order to maintain their bodies (i.e. state of dynamic equilibrium). On a global scale as well, ecosystems have been created as a mechanism to take in energy and materials and permanently maintain their existence.

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Scrap-and-build, a method of renewing cities and buildings, looks like the decomposition and generation of cells from a macroscopic perspective, but differs greatly from the circulation system of living organisms. Buildings and cities cannot form a circulation network like living organisms because of the mass consumption and disposal of resources used for a single building.



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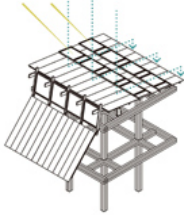

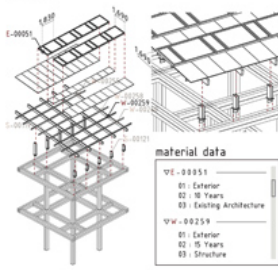
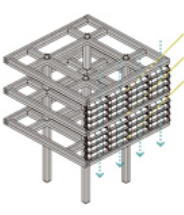

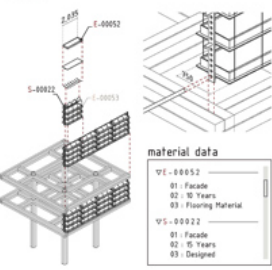
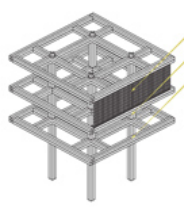

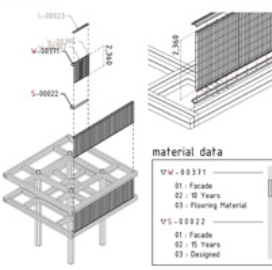
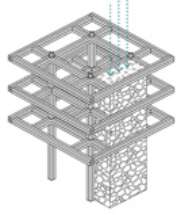

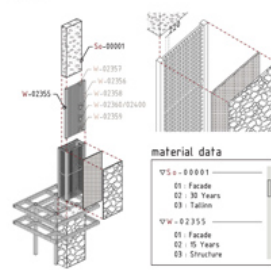








In order to realize a sustainable city, we therefore propose a urban system that can be circulated with local resources by combining three scales of circulation: Suburban Forest of Tallin, LAANA , and Urban building resources. The construction for the entirety of LAANA occurs gradually over 40 years in accordance with the growth, decomposition, and regrowth of the forest, while materials from Tallin are incorporated into the process.

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