

URBAN SKYFARM ECO SYSTEM

Environmentally, the Urban Skyfarm acts as a living machine which helps improving the environmental quality by filtering water and air, providing green, and producing renewable energy. The dense urban development will benefit from the additional green space by having reduced heat accumulation, storm water runoff and carbon dioxide. The Urban Skyfarm is a net zero facility which operates only with the renewable energy produced by solar and wind energy.

The vegetations and plantations will consistently convert carbon dioxide into oxygen which will help the city become low carbon. The water processing system includes water collection, water filtering and final processing facilities which filter the grey water or storm water, process it and either distribute it for irrigation or give it back to the Cheonggyecheon stream.

