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Integrated Sustainability Consulting & Design
Creating the Foundation for a Sustainable Future



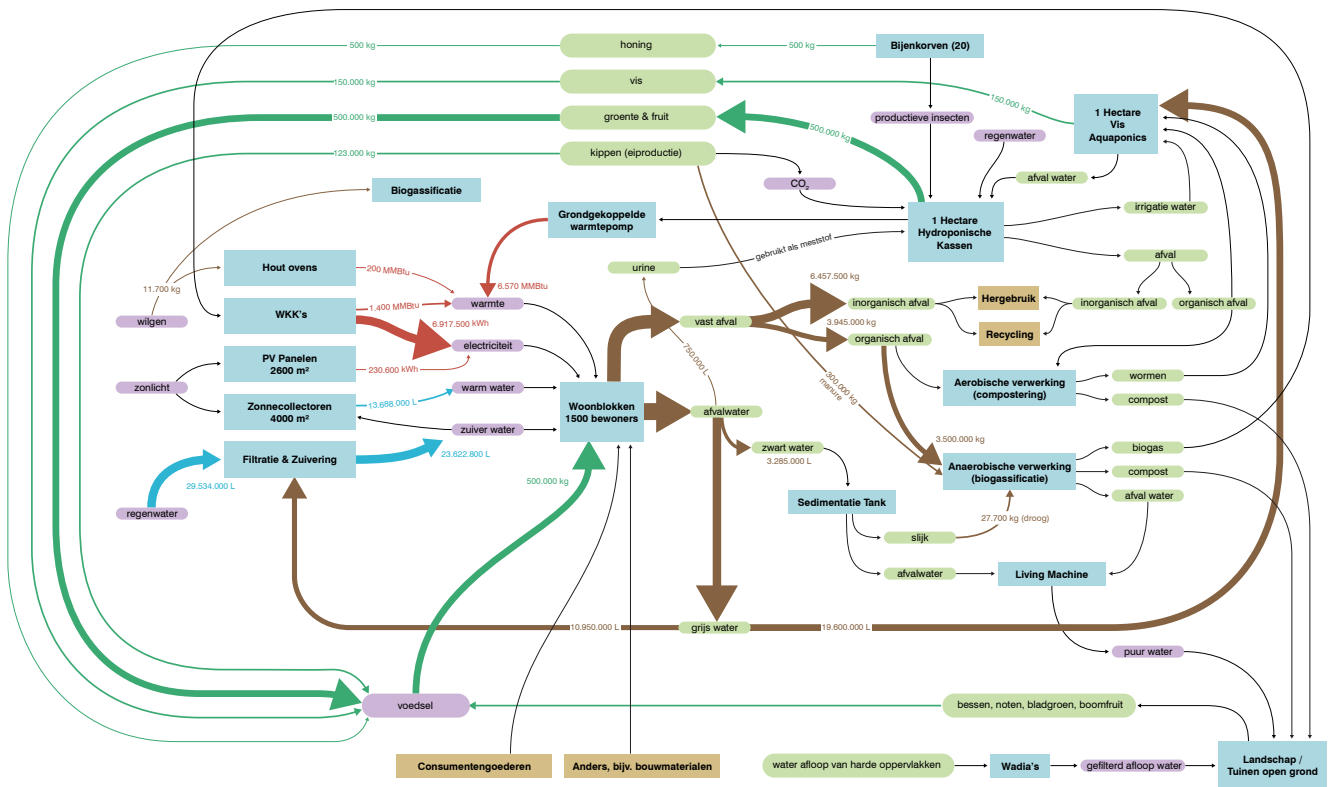
Sustainable Schiebroek-Zuid

Sustainable Schiebroek-Zuid is a vision for redevelopment of a post-war social housing area in Rotterdam. It provides a road map for converting the neighborhood into a self sufficient, resilient, and sustainable area. The neighborhood achieves autonomy beyond energy and water, and includes food, waste, economic measures, social programs, and employment opportunities.

The plan combines socio-economic programs with proven technologies to create a closedloop urban metabolism. It focuses on existing social and physical structures rather than applying a clean-slate approach.

Sustainable Schiebroek-Zuid is a first of its kind redevelopment project of existing urban social housing. Vestia, a housing corporation, and InnovatieNetwerk, an agriculture NGO, commissioned the project.





Edible landscaping throughout the neighborhood converts previously empty lawns into productive ecological, social, and energy resources while connecting residents to their natural surrounding.

Local agriculture is the biological engine that powers many aspects of the plan. It drives local energy generation, nutrition, and local economic

activities in Schiebroek-Zuid.

The area can supply all of its required electricity and heat, using a combination of biogas-fueled power plants, solar installation, and heat capture from roof-top greenhouses.

Local sources provide all of the energy and water and the majority of wastes are handled on site.





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A first of its kind, the Sustainable Schiebroek-Zuid project provides a template approach to converting a commonly problematic housing typology into a beautiful, equitable and resilient community.