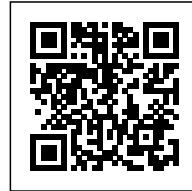




REGEN VILLAGES: NEW VISIONARY AND REGENERATIVE MODEL FOR ENERGY AND FOOD SELF- SUSTAINING ECO- COMMUNITIES

Posted on April 3, 2023 by martabuges



Categories: [EFFEKT](#), [Energy and sustainability](#), [Essay](#), [Low Density](#), [Territory and mobility](#), [Urban Paradigms](#)

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ReGen Villages: New Visionary and Regenerative Model for
Energy and Food Self-sustaining Eco-communities
<https://urbannext.net/regen-villages/>

ReGen Villages is a tech-integrated real estate development company with the purpose of answering some of the world's most pressing global challenges – social, financial and above all environmental.



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"ReGen Villages is engineering and facilitating the development of off-grid, integrated and resilient neighborhoods that power and feed self-reliant families around the world," explains James Ehrlich, Founder of ReGen Villages, B.V.

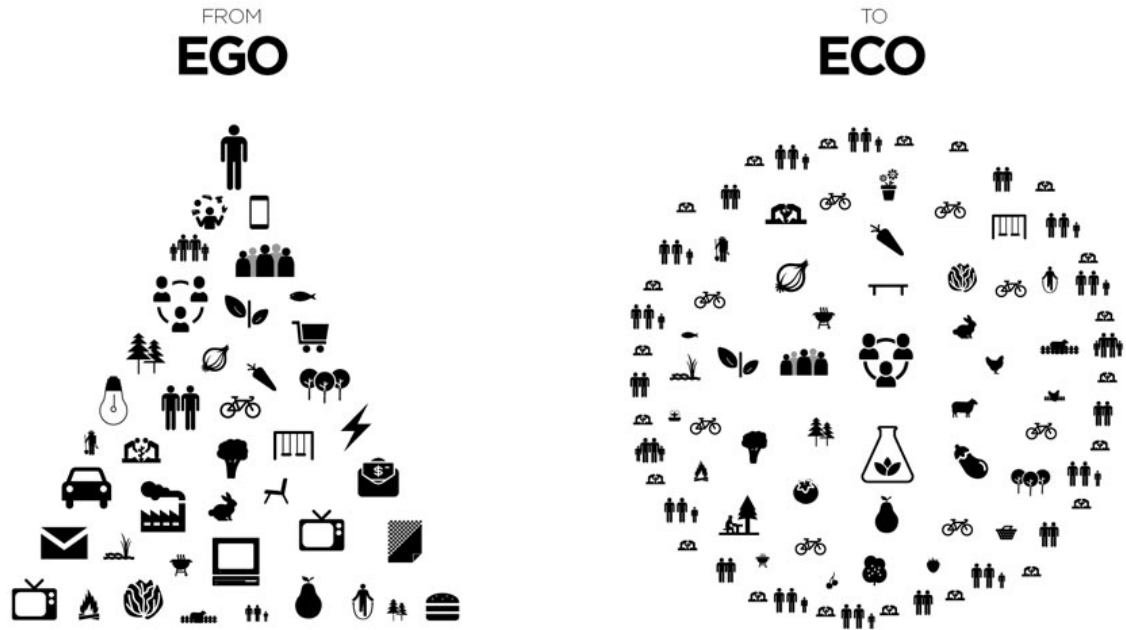
ReGen stands for regenerative, where the outputs of one system are the inputs of another. The concept has a holistic approach and combines a variety of innovative technologies, such as energy positive homes, renewable energy, energy storage, doorstep high-yield organic food production, vertical farming aquaponics/aerponics, water management and waste-to-resource systems.

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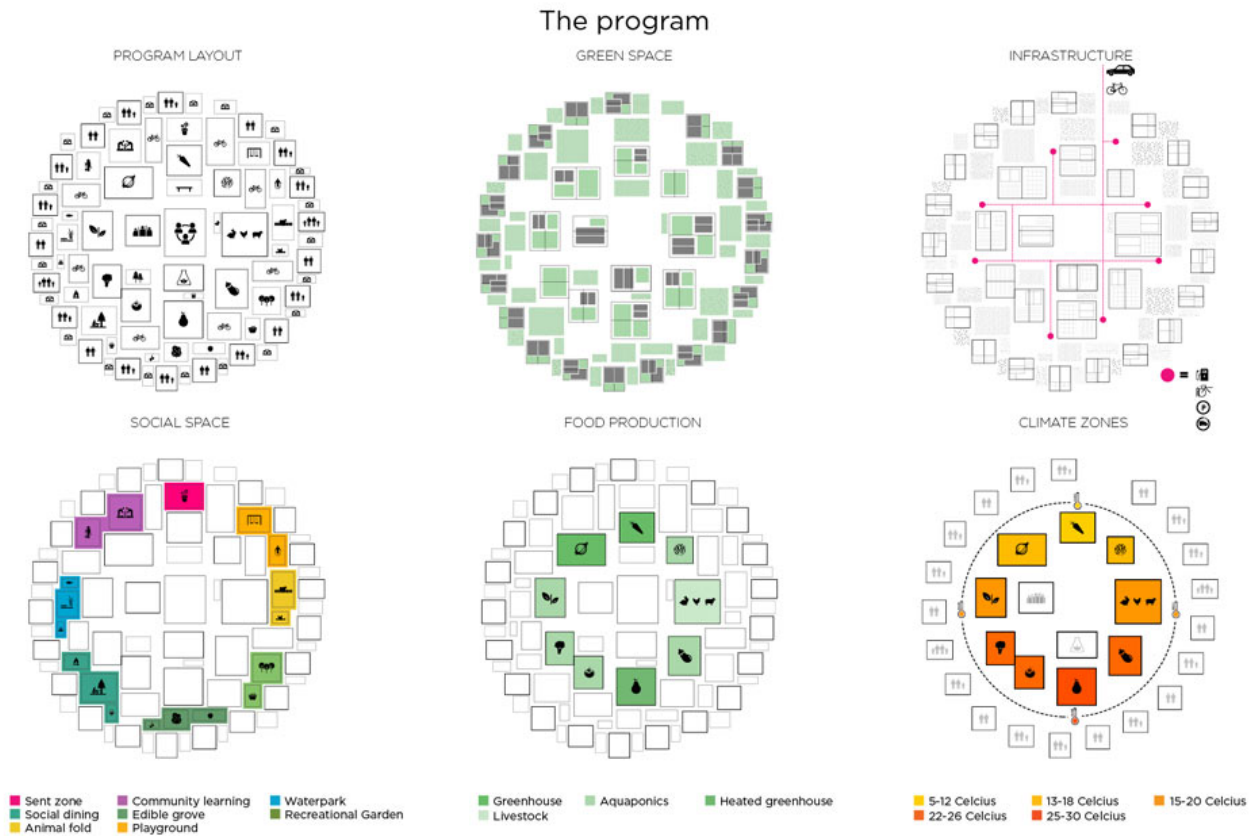
We need to change our way of life



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"ReGen Villages is all about applied technology. We are simply applying already existing technologies into an integrated community design, providing clean energy, water and food right off your doorstep," says Sinus Lynge, co-founder of EFFEKT.

With the integration of such technologies, ReGen Villages holds a potential for change in addressing some of the challenges of a growing population, increasing urbanization, scarcity of resources, the growing global food crisis as well as curbing global CO₂ emissions and reducing the burdens on municipal and national governments in dynamically changing planetary and economic times. But ReGen Villages is not only about reducing environmental impact and national burdens. It is also about creating: creating a better model for a sustainable future, where the current living standards can be sustained by thinking smarter, not only smaller. A model that adds not only environmental

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and financial value, but also social value by creating the framework for empowering families and developing a true sense of community, reconnecting people with nature and consumption with production. An eco-system that also restores high biodiversity in the surrounding landscapes due to a significant smaller production footprint.



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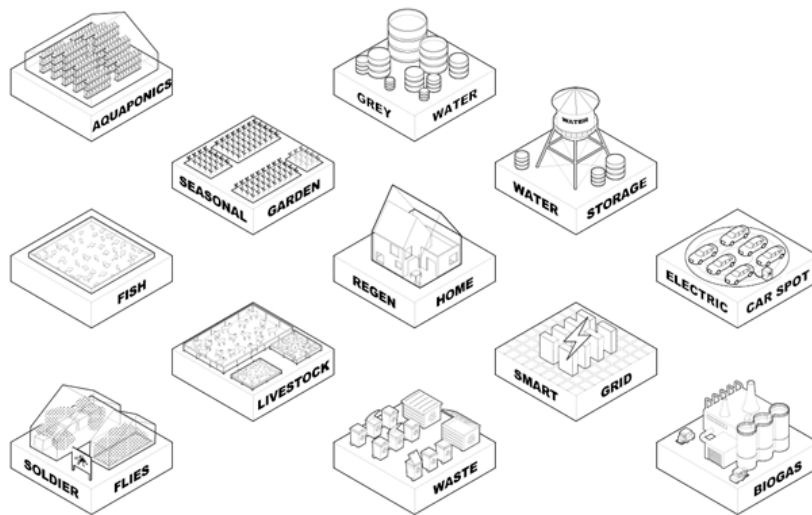
"We like to think of ReGen as the Tesla of ecovillages. We want to make it easy, convenient and accessible to choose a sustainable lifestyle off the grid," says Sinus Lyngø, co-founder of EFFEKT.

Half the global population today lives in cities. The massive growth is expected to continue with 2.5 billion people moving to cities in the coming 50 years. This massive urbanization is causing rising land prices and in many cases difficulties supplying basic rights and necessities such as clean water, energy and food to the growing populations. ReGen Villages offer an alternative to massive urbanization, enabling peri-urban and rural development and smart, mid-density urban retrofits with local supply of all resources that will lift burdens on struggling municipal governments at both ends of the population spectrum.

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REGEN SYSTEM

HOW DOES THE SYSTEM OF THE REGEN VILLAGE WORK

Climate change is the single biggest environmental and humanitarian crisis of our time. We are emitting 150 times more greenhouse gasses than 100 years ago. Development continues fast and exponentially, with a growing global population and emerging middle class. Agriculture, especially, has become the largest driver of climate change, biodiversity loss and environmental destruction.

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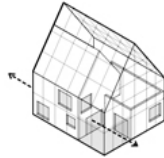
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HOUSING FEATURES



PREFABRICATED AND
DEMOUNTABLE LIVING
BOX



OPENABLE



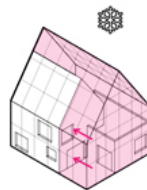
EXTENDED LIVING
ZONE



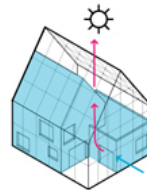
INSIDE & OUTSIDE
BLENDS



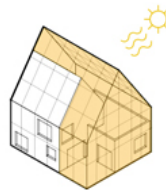
PASSIVE HEAT
HEATED SPACE



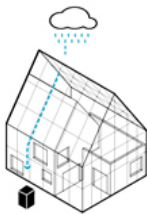
PREHEATED AIR
IN WINTER



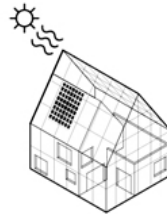
NATURAL
VENTILATION



EXTENDING
SUMMER SEASON



BUILT-IN
WATER COLLECTION



BUILT-IN
SOLAR ENERGY

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"Today we dedicate 40% of the surface of our continents to producing food. Food production is the single largest emitter of greenhouse gasses, the biggest driver of deforestation and responsible for 70% of our global freshwater consumption. We ship our food from one end of the world to another just to waste 30% of the total production before consumption – and still 1/7 of the global population goes to bed hungry. We just have to come up with better models, and ReGen is one of them," says Sinus Lyngge, co-founder of EFFEKT.

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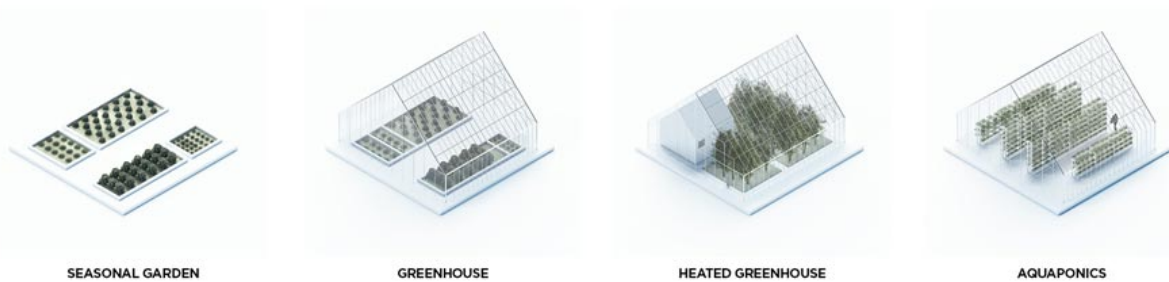
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The time has come to redefine residential real estate development for the next 3 billion people coming to the planet, with ReGen Villages setting out to joint venture partner in community development projects all around the world.

FOOD PRODUCTION

To ensure a year round yield



ReGen Villages Development company is raising a significant amount of funding from sovereign wealth funds looking to divest from fossil fuels into impact and knowledge-based investments. ReGen then acquires suitable areas of land in collaboration with national and local municipalities committed to this kind of partnership and collaboration. ReGen's team of regenerative platform technologists contract with local architecture, construction and engineering firms in each country and region to adapt and optimize the village model to the local conditions. ReGen Villages then remains involved in every project, managing these regenerative platforms by providing a concierge level of services to residents, by aggregating data, and by building algorithms that improve the mechanisms for daily thriving.

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ReGen Villages was featured in the Danish architectural pavilion at the Venice Biennale in May 2016, and the first ReGen Village pilot community is to be developed in Almere in Netherlands, with 100 homes. Multiple other pipeline developments will commence initially on sites across Northern Europe in Sweden, Norway, Denmark and Germany – encompassing the northern climate region context for ReGen Villages.

Further development plans for the Kingdom of Saudi Arabia, UAE, MENA, Malaysia, India, China, parts of Africa and further into the US and Canada are part of the global scale initiative for ReGen Villages going forward.

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