



The Art of Cultural Evolution is an environmental and arts non-profit organization committed to urban sustainability. The organization has recently been awarded a 50 year land grant from Miami-Dade County to build Miami's first sustainability center, an eco-friendly community and sustainable 'living building', Colony1. It will be the 15th certified 'living building' by the Living Institute in the world and the first in the entire Southeast region of the United States.



The center will serve residents of South Florida. The programming is geared towards resiliency and connectivity in the community. The center will house a zero packaging bulk food store, a teaching event kitchen, a learning demonstration food garden, an art and science residency program, an exhibition space and a youth classroom. The goal of Colony1 is to share the knowledge to help move our city towards adopting more sustainable practices.



Colony1 Programming

Zero Packaging Bulk Food Store:

In order to reduce the amount of detrimental packaging being produced for the food industry, our zero packaging bulk food store will provide consumers with the opportunity to bring their own containers or use recycled containers from Colony1 to purchase local products such as dry goods and produce. We know that we can help reduce the need for this packaging by sourcing locally produced food thus eliminating the need for packaging, food miles and toxic nutrients and fertilizers being used by supporting small local farmers. At Colony1's Zero Store, consumers can support local growers and makers in South Florida by bringing their own container to purchase goods, thus eliminating the need for senseless packaging and plastics.

Teaching and Event Kitchen, Colony1's kitchen will be a place for residents to learn about nutrition and what to do with the food they grow or buy at Colony1. In addition the kitchen will be serving one local and organic meal a day to Wynwood. With Colony1's recent acquisition of a 2.5 acre farm in Homestead Florida, all of Colony1's food demands will be met with the highest integrity of organic farming.

Teaching and Demonstration Garden, Similar to a CSA or Community Supported Agriculture Program, Colony1's non-profit CSA will rely on time rather than money, 15 members will volunteer time to learn about growing food, starting compost and learning about sustainable urban technologies, while also taking a share of produce home every week to actually implement what they are learning during the program. At the end of the CSA season participants will have learned everything about growing and preparing food and will have all the resources to do it themselves.

Art + Science Residency Program, Wynwood is the contemporary arts district of Miami, art has the power to engage audiences in information that might have otherwise been inaccessible to the public. Our Art + Science Residency program will pair an artist and a scientist together to create quarterly programming in our exhibition hall to stimulate community dialogue and education around socially engaged practices.

Exhibition Hall: An art and science exhibition hall dedicated to Colony1's art and science residency program. This hall will have quarterly shows produced by our Art +



Science residency program and also showcase sustainable technologies shows, educational events, lectures and community gatherings.

Youth Classroom: A dedicated youth classroom for the future stewards of the Earth. This classroom focuses on early childhood, homeschoolers and after school programs with a living environmental education classroom, the first of its kind in Miami.



Sustainable Technologies of Colony1

Net Zero Water

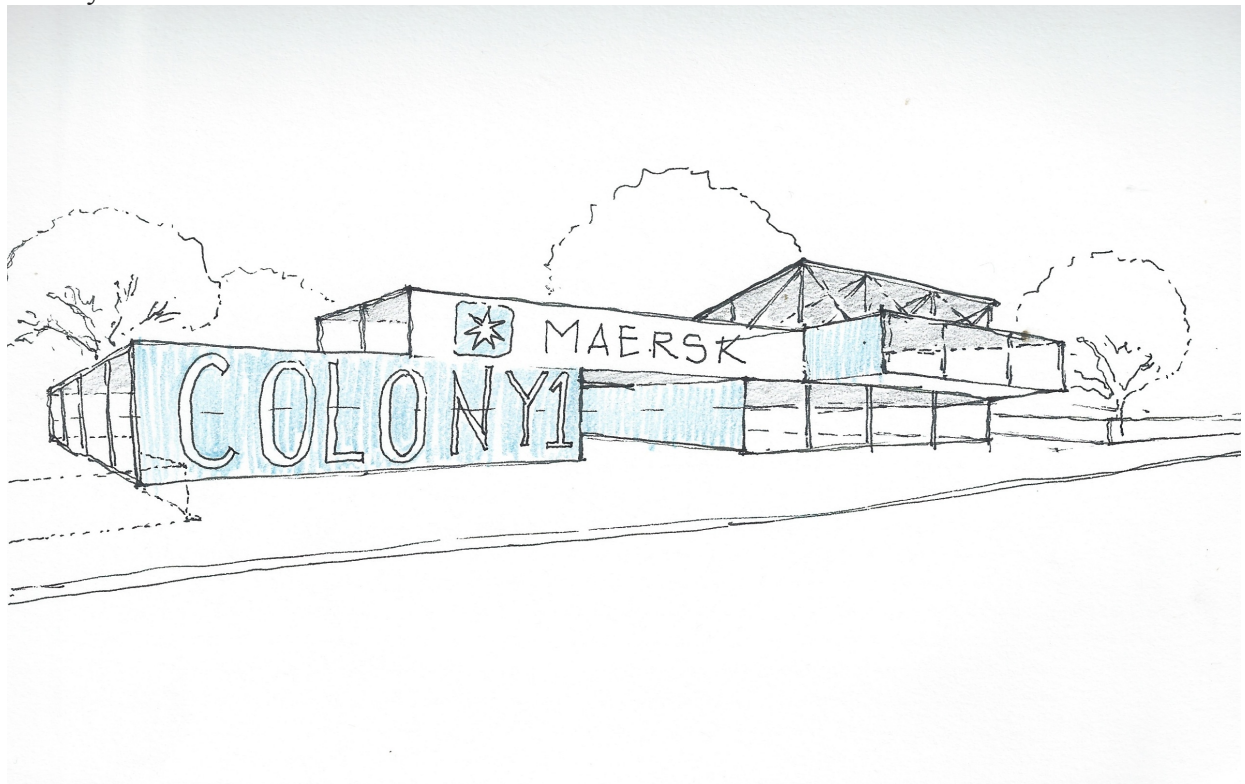
What is NET Zero Water? Water is an invaluable resource and is oftentimes taken for granted. The Net Zero Water standard is an idea that aims to relieve dependence on city water, which will decrease strain on water treatment facilities and our aquifer. By capturing precipitation and treating wastewater produced on site, one can close the loop of their water system, thus leading to water independence.

How is Colony1 NET Zero? Colony1 will use a 60-80,000 gallon cistern that will hold our collected rainwater. This rainwater is then filtered and used for the internal facility's needs. Then through a grey water filtration system water will be cleaned and used to irrigate our gardens, thus creating a closed loop system. Our grey water filtration system will utilize the bio technologies of a constructed wetland, this wetland will provide a platform for inner city Everglades education.

Net Zero Energy

What is a NET Zero Energy building? A **building** with zero net energy consumption, meaning the total amount of energy used by the building on an annual basis is roughly equal to the amount of renewable energy created on the site.

Colony1 is in the Sunshine State, we have more solar potential than is currently be utilized. Our facility will be fully solar powered, but a hybrid system of a battery bank and also being grid tied in order to offset the energy usage of our neighbors. Our goal is to partner with neighboring property owners to increase solar usage and create Miami's first micro-grid. Demonstrating the potential of what could be in every municipality in the city.





Our operational structure

Colony1 Administration:

Blair Butterfield, Director

Hernando Jaramillo, Co-Director and Sustainable Architecture Committee

Jayne Geshen, Director of Documentation and Media

Ricardo Trevino, Documentation and Videographer

Elishia Appleton, Funding and Committee and Volunteer Coordinator

Herman Rivaes, Accounting

Colony1 Board of Advisors:

Heather Anesta, Structural Engineer at Stantec

David Rifkind, Sustainable Architecture Professor at FIU

Holly Zickler, Sustainable Architecture

Linda Feinberg, Sustainable Architecture, Professor at FIU

Malik Benjamin, Architecture and Programming, Professor at FIU

Father Grey Maggiano, Community Programming, Trinity Cathedral

Sherry Handel, Non-Profit and Strategy, Energy Harvesters

Dr. Valeria Salinas-Sanchez, Morningside Pediatrics

Professional Consultants:

Gavin McKenzie, contractor of McKenzie Construction

John Pritchett, Business mentor from SCORE Miami

Joshua Forbes Sproat, Marketing and International Business

Irene Rivaes, Edible Palm Beach publisher and B-Corps

Richard Schuchts, Miami Innovation Center

Vivianette Vasquez, Legal Service of Greater Miami

Trevor Schatz and Jonathan Burgess, Living Building Challenge

Art of Cultural Evolution's Board

Blair Butterfield, Director

Hernando Jaramillo, Co-Director

Mary Jo Aagerstoun, Eco Art South Florida

Robin Van Loon, Camino Verde Peru

Carolina Garcia, International Relations Professor University of Antioquia Colombia

Jayne Gershen, Documentary Journalist

Colony1 Committees and Members

Sustainable Architecture and Permitting:

Hernando Jaramillo, Committee Head
David Rifkind, Sustainable Architecture Professor at FIU
Holly Zickler, Sustainable Architecture
Linda Feinberg, Sustainable Architecture, Professor at FIU
Malik Benjamin, Architecture and Programming, Professor at FIU
Heather Anesta, Structural Engineer
James Duncan, Scientist at DERM
Boris Ahumada, Construction

Funding, PR, Media and Strategy:

Elishia Appleton, Committee Head and grant writer
Jorge Cortes, Momentum International

Urban and Ecological Data:

James Duncan, Committee Head and Scientist at DERM
Dieter Bauer, Atmospheric Scientist at FIU

Documentation:

Jayme Gershen, Committee Head
Ricardo Trevino, Videographer
Carolina Sarimento, Photographer
Gabriella Serra, Photographer
Janel Kingston, Photographer
Andres Sanchez, Videographer
Alicia Zaitsu, Videographer

Public Outreach, Volunteers and Education:

Richard Schuchts, Miami Innovation Center
Emily Peters, Miami resident
Fatou Diop, Volunteer Outreach
Sonia Bencheikh, Funding

Permaculture and Wetland:

Blair Butterfield, Committee Head
Ben Thacker, Permaculturist at Urban Green Living Center Miami Dade College
James Jiler, Agroecology FIU and Urban Green Works
Audrey Nobles, Permaculture
Giselle Colbert, Wetland Ecologist
Sebastian Schwam, Raw Vegan Chef

Colony1 Grantors:

Miami-Dade County, 50 year Land Grant



Environmental Resource Management, December 2012 \$6,500

Rene, Margaret and Saja Morales, December 2013 \$1,000

Miracle Gro 500, April 2014 \$500

Awesome Foundation, May 2014 \$1,000

Indiegogo Campaign, June 2014 \$3,093.40

Pollination Grant, July 2014 \$1,000

Colony1 Sponsors and Programming Partners:

Miami-Dade County

One Two Tree

Shell Lumber

Panther Coffee

Yake Solar

Anytime Rentals

Gramps

Flying Pyramids and George Echevarria

Little River CSA

The Lab Miami

Edible Palm Beach

Miami Innovation Center

Emerge Miami

Resilient Miami

Urban Green Works

Farm Fresh Miami

University of Florida's Extension Office/IFAS

The Guild

Media Links:

Colony1 Video: https://www.youtube.com/watch?v=slk7_aGEwpA

Colony1 Design Charrette Video: <https://www.youtube.com/watch?v=n1qyRSRx53U>

Edible Magazine Winter 2014: <http://ediblepalmbeach.com/read/winter-2014/food-and-the-city-the-sustainable-city/>

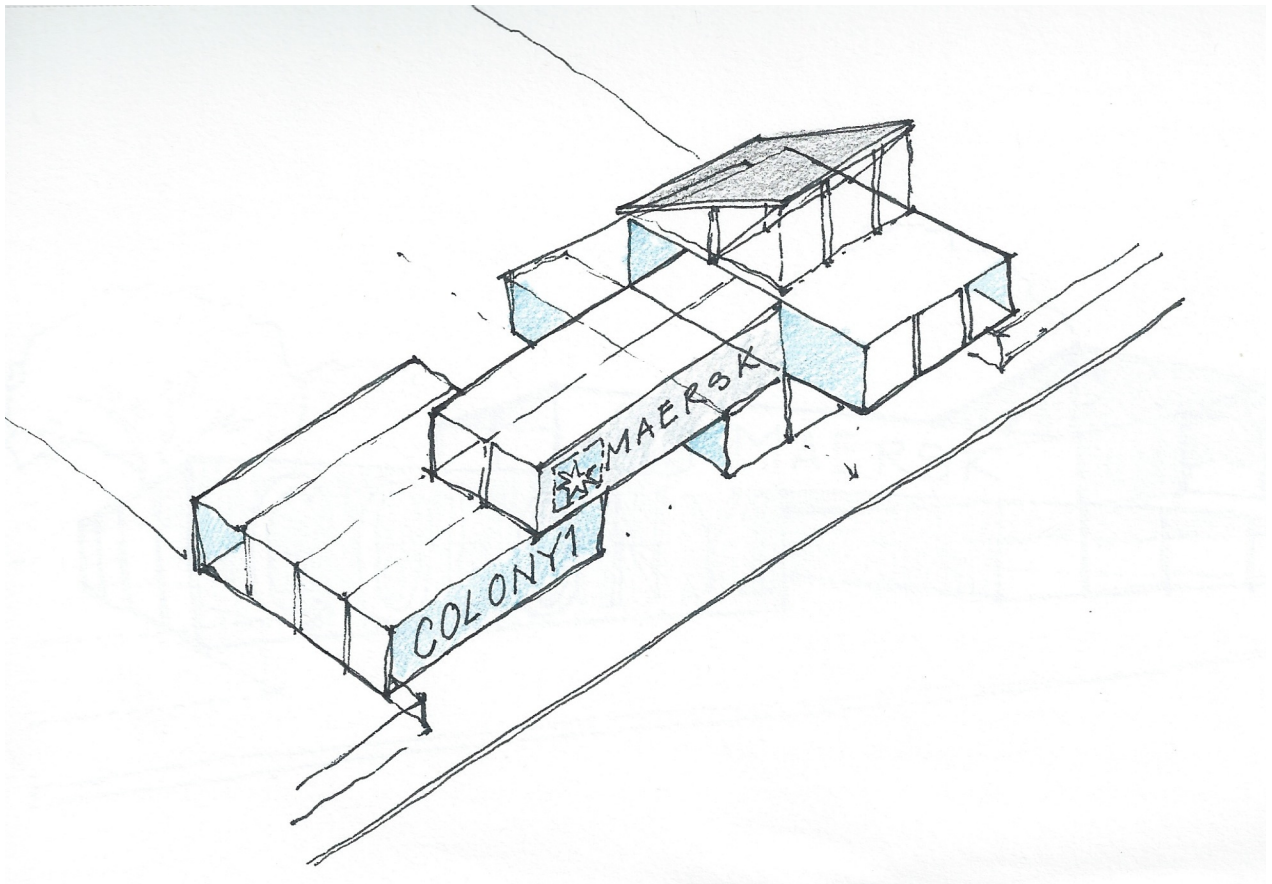
Edible Summer 2014: <http://ediblepalmbeach.com/read/summer-2014/food-and-the-city-colony1-from-vision-to-reality/>

New Times Miami 2014

http://blogs.miaminewtimes.com/shortorder/2014/07/colony1_bulk_food_store_organic_garden_and_vegan_kitchen_coming_to_wynwood.php

Curbed Miami: <http://miami.curbed.com/tags/colony1>

Website: www.artofculturalevolution.org



Rendering of Colony1 North facing onto NW 22nd Street (Main Entrance)



Phases of Development Pending Support

Phase One December 2014 – February 2015

Soil Remediation

Establishment of irrigation system

Establishment of gardens

Construction of Zero Packaging bulk food store

Start of Colony1 Homestead Farm

Phase Two February 2015- May 2015:

Full build out of Colony1 Permitting

Containers pre-fabricated

Containers brought on site

Onsite welding

Establishment Edible and Native landscaping

Phase Three May 2015 – August 2015

Establishment of sustainable systems

Constructed vertical wetland

Solar Micro Grid

Implementation of programming

Composting Wynwood program

Art of Cultural Evolution



Art of Cultural Evolution is an environmental and arts 501c3 non profit dedicated to fostering a sustainable future through unique pairings of art and science. The organization is founded on the belief that art has the inspirational capacity to activate the behavioral changes needed to bring environmental sustainability to all in insightful and engaging ways.

The organization's past projects include the following:

ReProcess: Artists were commissioned to join several neighborhood trash pick-ups and create a public piece of art work in place of the trash collected.

Ecological Bus Project: A 1997 International Bluebird bus was converted to run its engine on waste vegetable oil, its interior was redesigned as a house powered with solar energy and outfitted with rainwater harvesting and composting toilets. The bus traveled and taught about sustainable living practices, alternative energy and environmental education.

Midtown 34th Street: A vacant piece of land in Midtown was converted to be a sustainable land lab called the Midtown 34th Street project. The project was a gallery of sustainable technologies and practices that could be easily adopted by any resident in their own back yards.

Art of Cultural Evolution has created a space for connectivity to build an even stronger community and movement towards resiliency. Our Colony1 project is due to be a monumental catalyst for the sustainability movement in Miami.

Contact

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Art of Cultural Evolution

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