

New Pyramids Prototype: Area 52

Feeding the Future with Solar, Hemp, and AI

Marie Seshat Landry

May 27, 2025

Abstract

This document outlines the inaugural implementation of the New Pyramids Project: the Area 52 Organic Vegan Complex on Spruce Island. Designed to feed and accommodate 1,100 people using AI-managed, solar-powered, hemp-based, and vegan systems, this complex serves as the prototype for a global network of 100,000 New Pyramids. Each pyramid is designed to autonomously sustain up to one million people, powered by vertically stacked aeroponic farms, robotics, renewable energy, and ethical labor models. The New Pyramids aim to establish food sovereignty, regenerative living, and social equity through scalable organic infrastructure.

Contents

1	Introduction to the New Pyramids Project	2
1.1	Purpose and Vision	2
1.2	UN SDG Alignment	2
2	Area 52: Prototype Pyramid Overview	2
2.1	Location and Scope	2
2.2	Key Systems	2
3	Design of the New Pyramid	2
3.1	Architectural Model	2
3.2	Automation Infrastructure	3
4	Operational Blueprint	3
4.1	Food Preparation and Delivery	3
4.2	Energy and Water Systems	3
4.3	Housing Model	3
5	Societal Benefits	3
6	Prototype Goals & Timeline	3
7	Conclusion	4

1 Introduction to the New Pyramids Project

1.1 Purpose and Vision

The New Pyramids Project addresses the growing global demand for sustainable, decentralized, and regenerative food systems. By merging solar power, advanced AI, and zero-waste organic farming, each pyramid can nourish up to one million people without harming the Earth.

1.2 UN SDG Alignment

The project supports:

- SDG 2: Zero Hunger
- SDG 7: Affordable and Clean Energy
- SDG 11: Sustainable Cities and Communities
- SDG 12: Responsible Consumption and Production
- SDG 13: Climate Action

2 Area 52: Prototype Pyramid Overview

2.1 Location and Scope

The first prototype pyramid is built on Spruce Island, with a population capacity of 1,100 people: 100 residents and up to 1,000 rotating guests.

2.2 Key Systems

- Organic Vegan Farm
- Solar Kitchen and Ovens
- Hemp-Based Diet and Nutrition Lab
- Cafeteria and Distribution Systems
- Rainwater Harvesting and Solar Irrigation

3 Design of the New Pyramid

3.1 Architectural Model

- Modular pyramid built from Seshat's Composites
- Stacked aeroponic towers (30–300 floors)
- Hempcrete thermal walls and carbon-negative cores

3.2 Automation Infrastructure

- Autonomous robots for planting, harvesting, cleaning
- AI monitoring for nutrient balance and system health
- Blockchain-based traceability for all food outputs

4 Operational Blueprint

4.1 Food Preparation and Delivery

- 3 kitchens (raw, high-caloric, fortification)
- Cafeteria: 1,100 meals per session
- Meals: B12, iron, calcium, DHA/EPA fortified

4.2 Energy and Water Systems

- Solar arrays with battery storage
- Biogas from waste
- Rainwater with UV and biochar filtration

4.3 Housing Model

- Residents housed in luxury eco-tipis
- Guests hosted in renewable pavilions
- Full medical, food, housing included for staff

5 Societal Benefits

- Local job creation and organic training programs
- AI-managed systems reduce labor burnout
- LGBTQIA+ inclusive and anti-harassment certified
- Zero-cost living for onsite residents

6 Prototype Goals & Timeline

- **Year 1:** Complete Spruce Island build
- **Year 2:** Begin scaling to 10,000 people
- **Year 5:** Launch global network of 100 prototypes
- **Year 10:** Achieve first million-person pyramid

7 Conclusion

The Area 52 prototype of the New Pyramids Project demonstrates how advanced technologies, ethical design, and organic systems can converge to feed the future. This blueprint lays the foundation for mass-scale sustainable living, powered by hemp, AI, solar energy, and human dignity.

Appendix A: Sample Daily Menu

Breakfast: Hemp porridge with berries, fortified hemp milk

Lunch: Hemp-lentil burger, kale salad, sweet potato

Dinner: Coconut chickpea curry with quinoa

Snacks: Spirulina balls, seaweed chips, smoothies

Appendix B: Personnel Model

- 5 Executive Chefs
- 40 Food Workers
- 20 Farm Technicians
- 10 AI Engineers
- 3 Energy/Water Engineers
- 100 Long-Term Core Residents

References

1. UN Sustainable Development Goals: <https://sdgs.un.org/goals>
2. FAO Organic Agriculture: <https://www.fao.org/organic-agriculture>
3. Solar Cooking Alliance: <https://www.solarcookers.org>
4. Landry, M.S. (2025). *Seshat's Composites: Engineering the Organic Future*
5. Landry Industries Archive: <https://area52-official.blogspot.com>