

 LIFEARK™



FROM ONE FAMILY, ONE COMMUNITY,

The daily life of one family dedicated to serving the indigenous people along the Amazon river of Santa Rosa Island (where Peru, Columbia and Brazil meet) was the catalyst for LifeArk.

With houses built on stilts, here was a community spending 8 months out of the year battling flood damage—trapped in cycle of poverty generation after generation.

As architects, we sought to solve this fundamental problem through good design—a process through which we realized there was a global crisis.



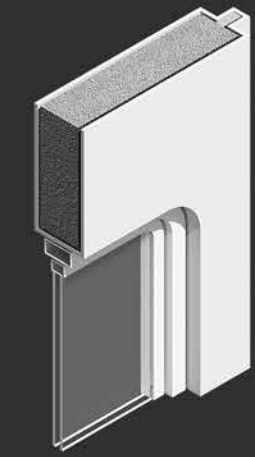
TO THE WORLD AT LARGE...





OUR MISSION

LifeArk exists to create safe, sustainable and affordable homes for people living in low-income, marginalized communities around the world.



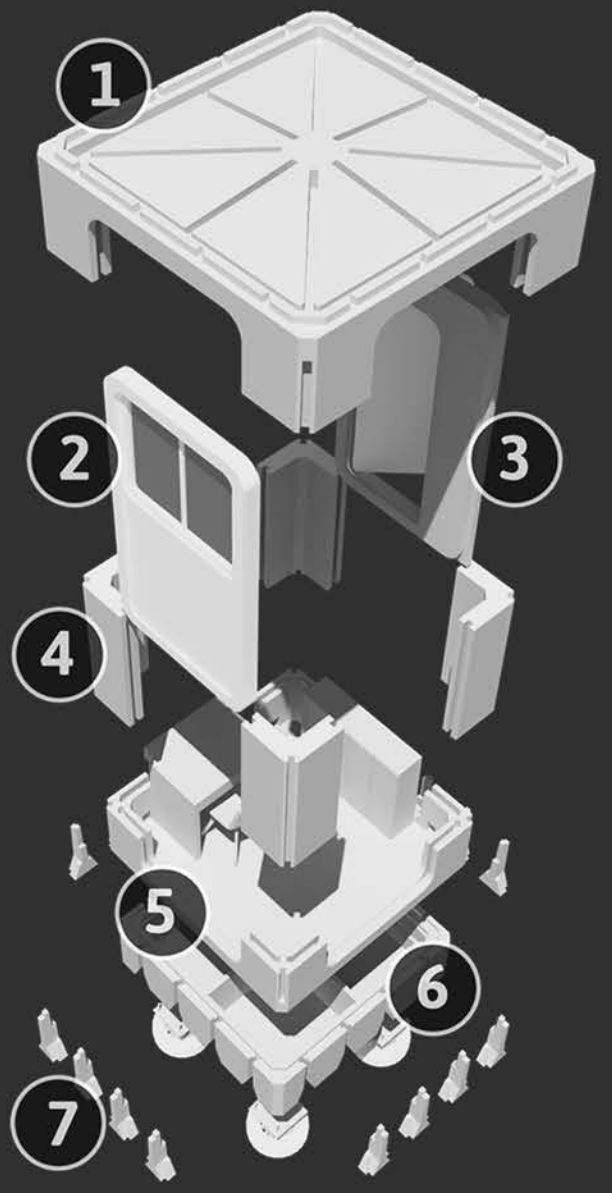
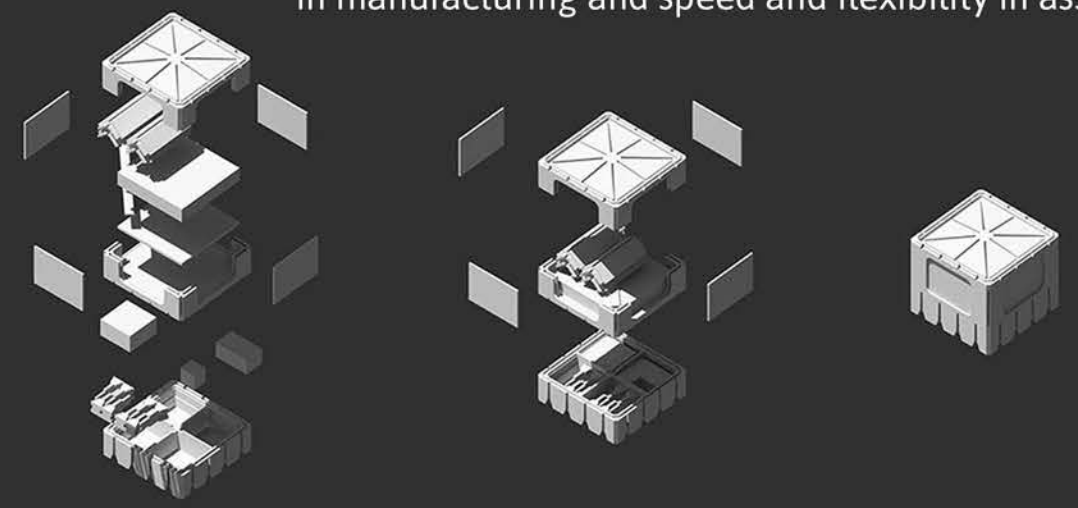
1 NEW BUILDING MATERIAL

LifeArk modules are manufactured using proprietary composite polymer molding technology.

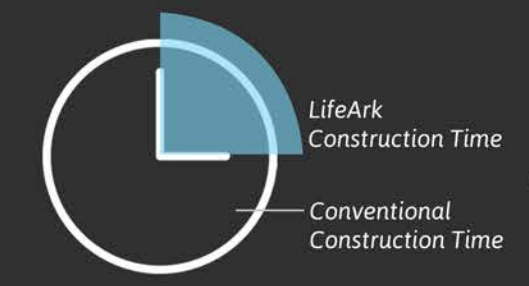
- Inherent Structural Resilience
- Excellent Thermal Performance (R-37)
- 100% Recyclable

2 KIT-OF-PARTS SYSTEM

Utilizing rotational molding technology, LifeArk components are pre-fabricated into a module-based construction system, ensuring quality-of-design, efficiency in manufacturing and speed and flexibility in assembly.

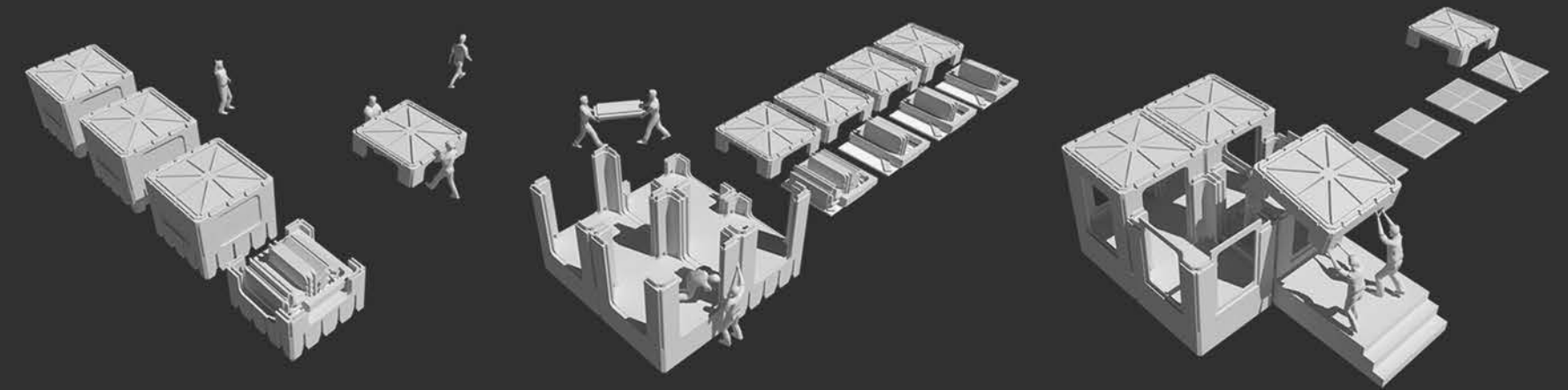


1. Roof / 2. Window Panel / 3. Door Panel
4. Column / 5. Module Deck / 6. Hull / 7. Joint Type



3 EASY TRANSPORT & ASSEMBLY

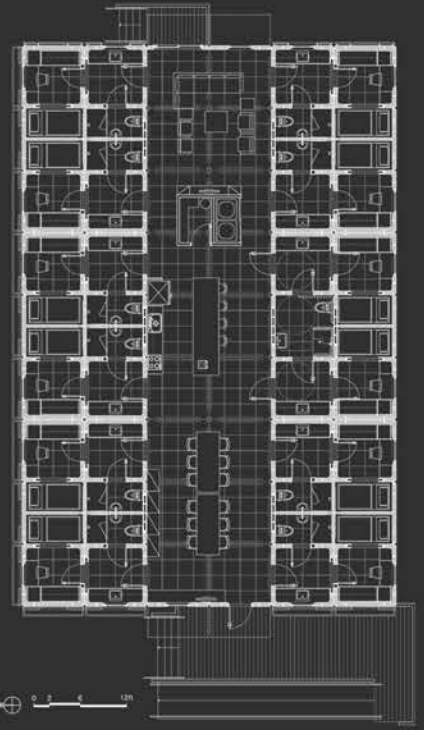
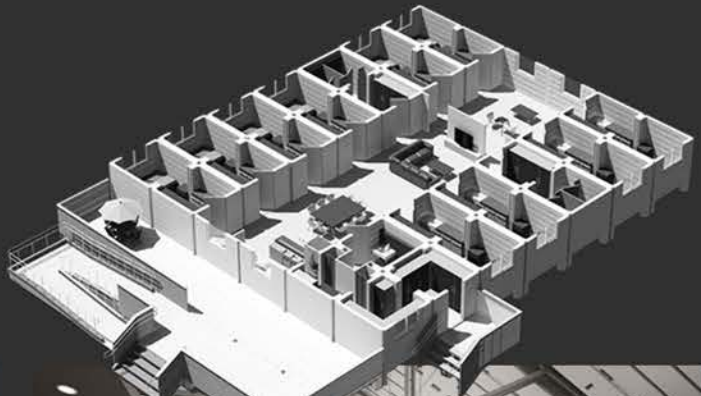
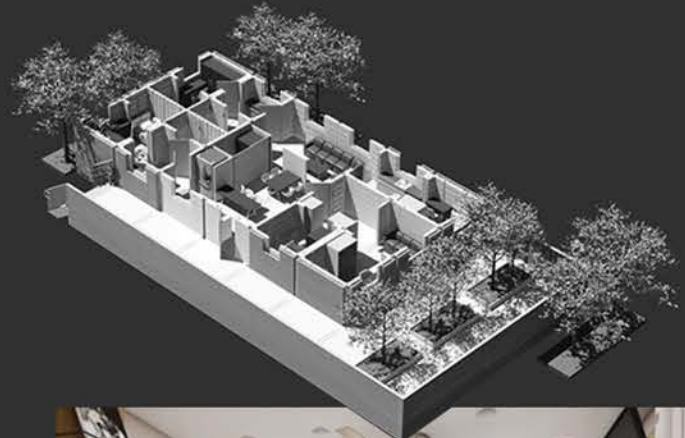
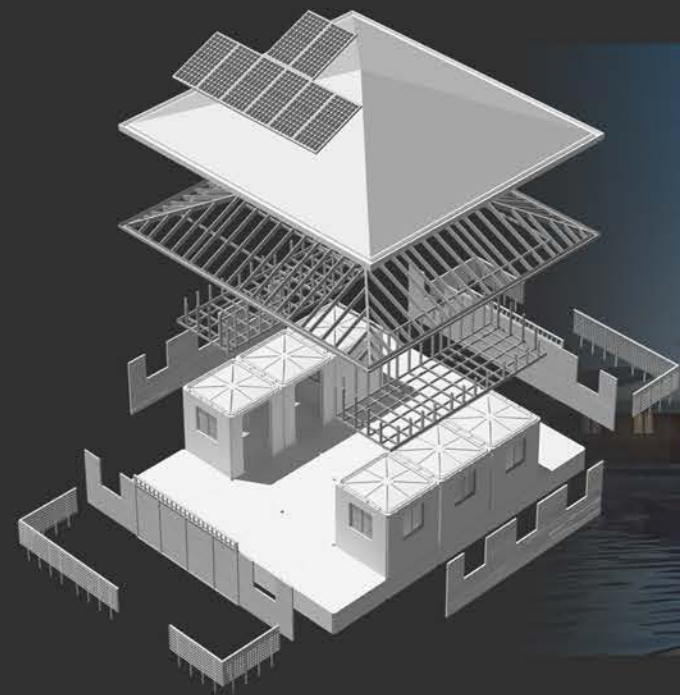
LifeArk Modules are engineered as fully self-enclosed systems with dimensions fit to standard shipping containers. Upon delivery, modules can be easily and quickly assembled using standard tools.



4 CONSTRUCT & RELOCATE ANYWHERE

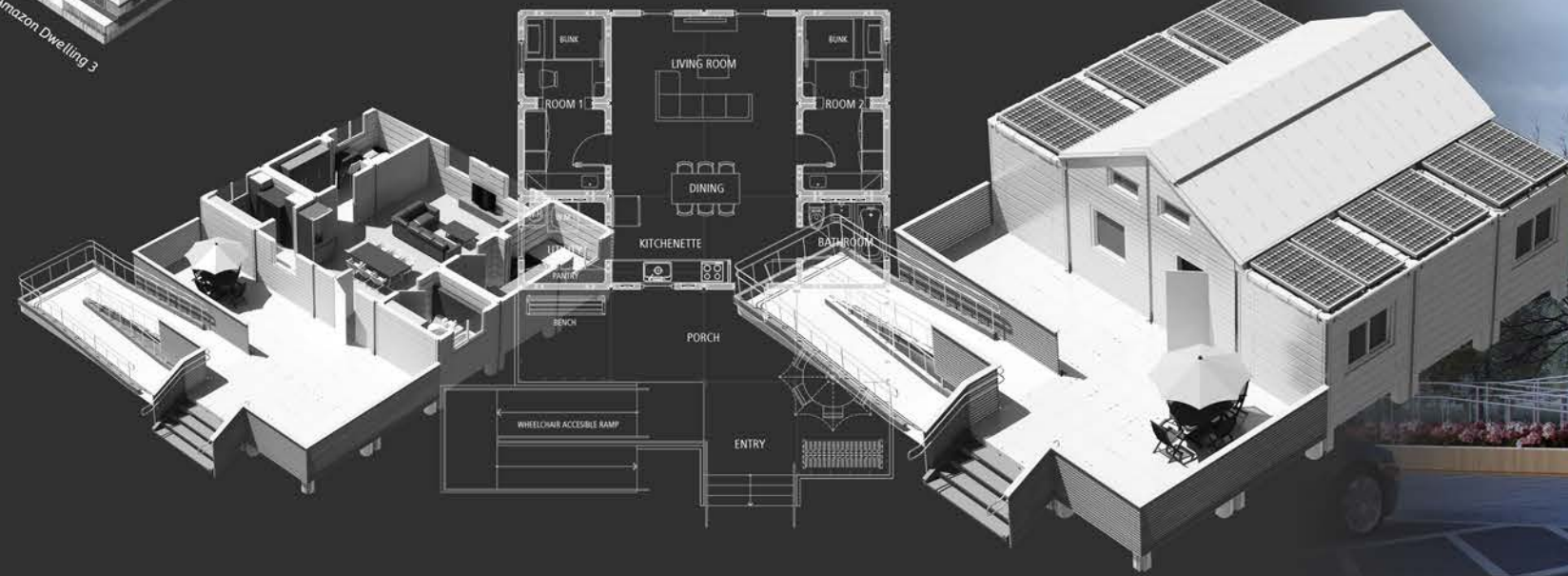
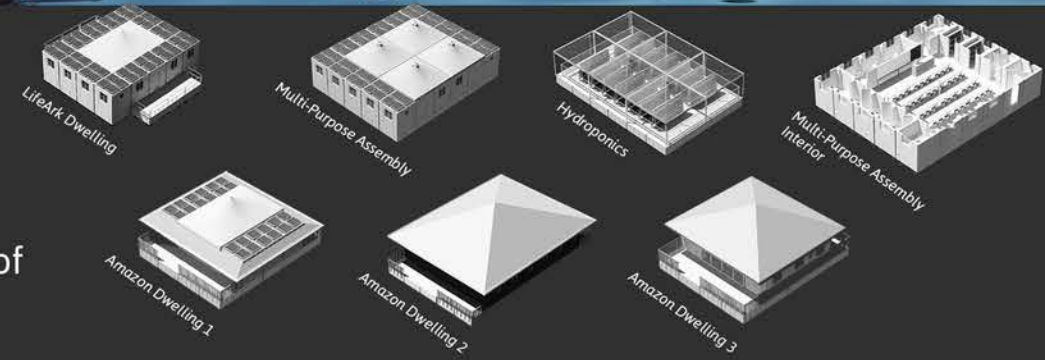
LifeArk modules can be quickly deployed to any location, relocated and reassembled into infinite varieties as needed.

LifeArk mitigates the following challenges: "NIMBY" | Permitting | Infrastructure Limitations



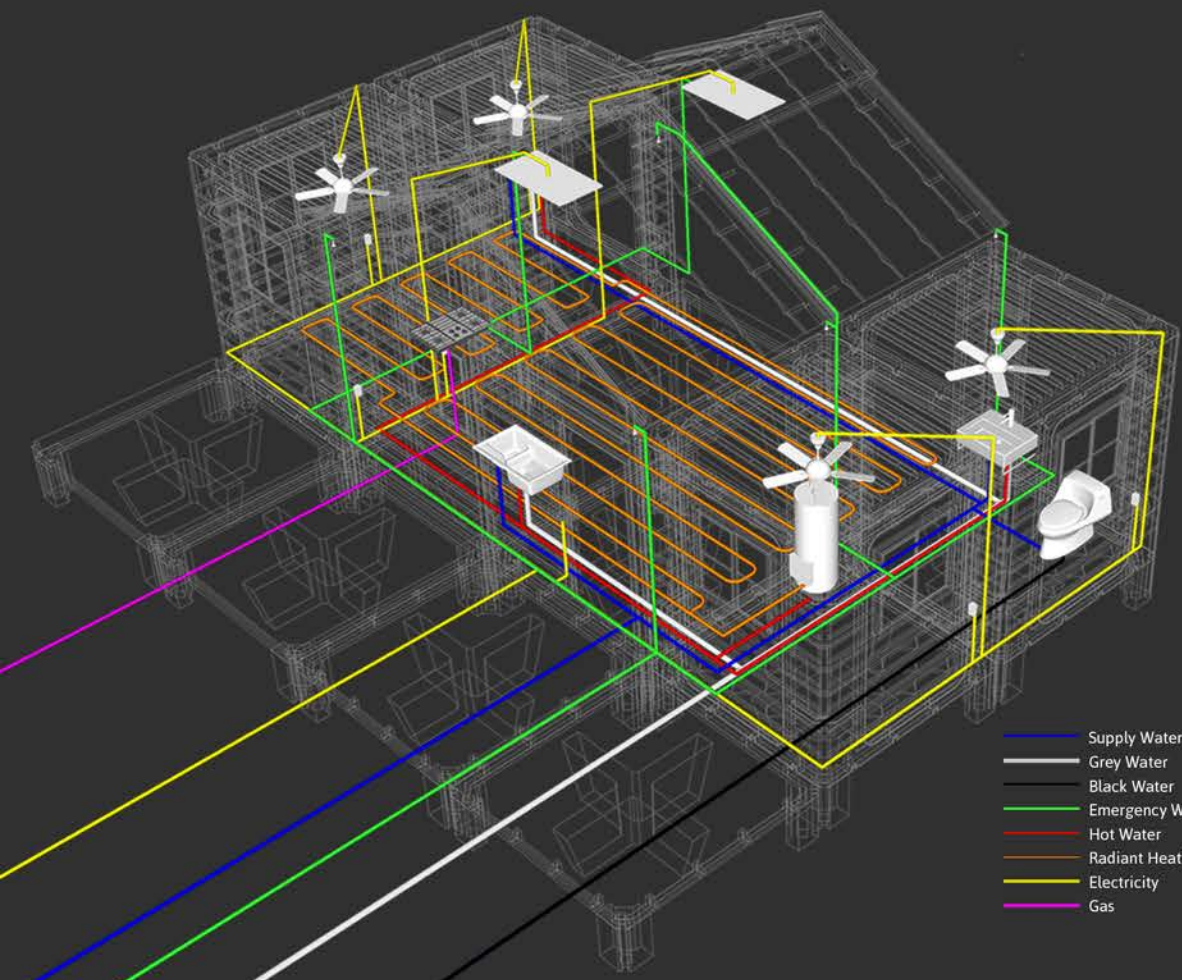
5 FLEXIBILITY

LifeArk's modular design allows infinite configuration options to create a number of unique spaces, enabling the master planning of communities.

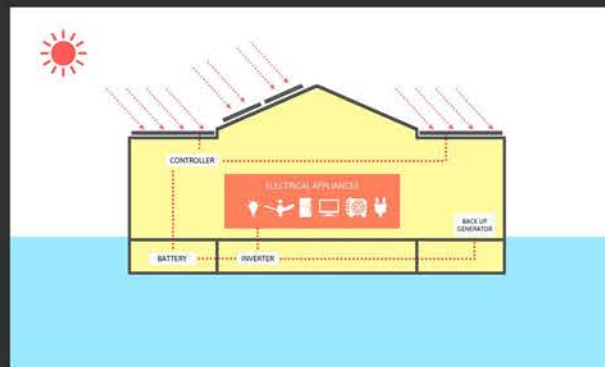


6 MEP SYSTEM

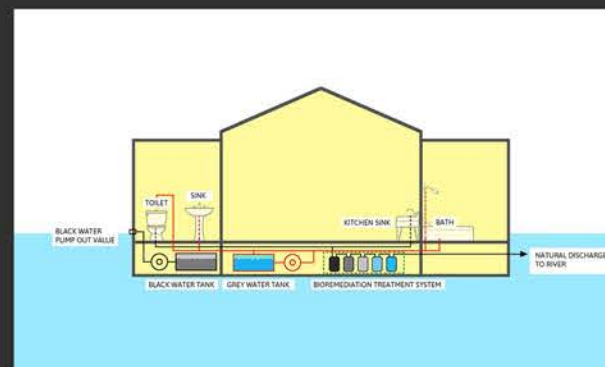
LifeArk Modules are engineered with clean energy, water treatment and waste management systems to provide optimal sustainable living conditions.



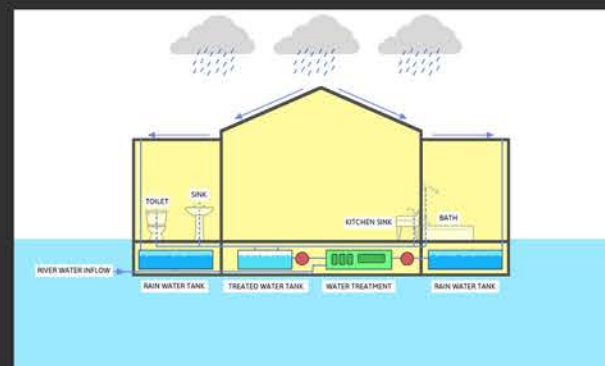
- Supply Water
- Grey Water
- Black Water
- Emergency Water
- Hot Water
- Radiant Heating
- Electricity
- Gas



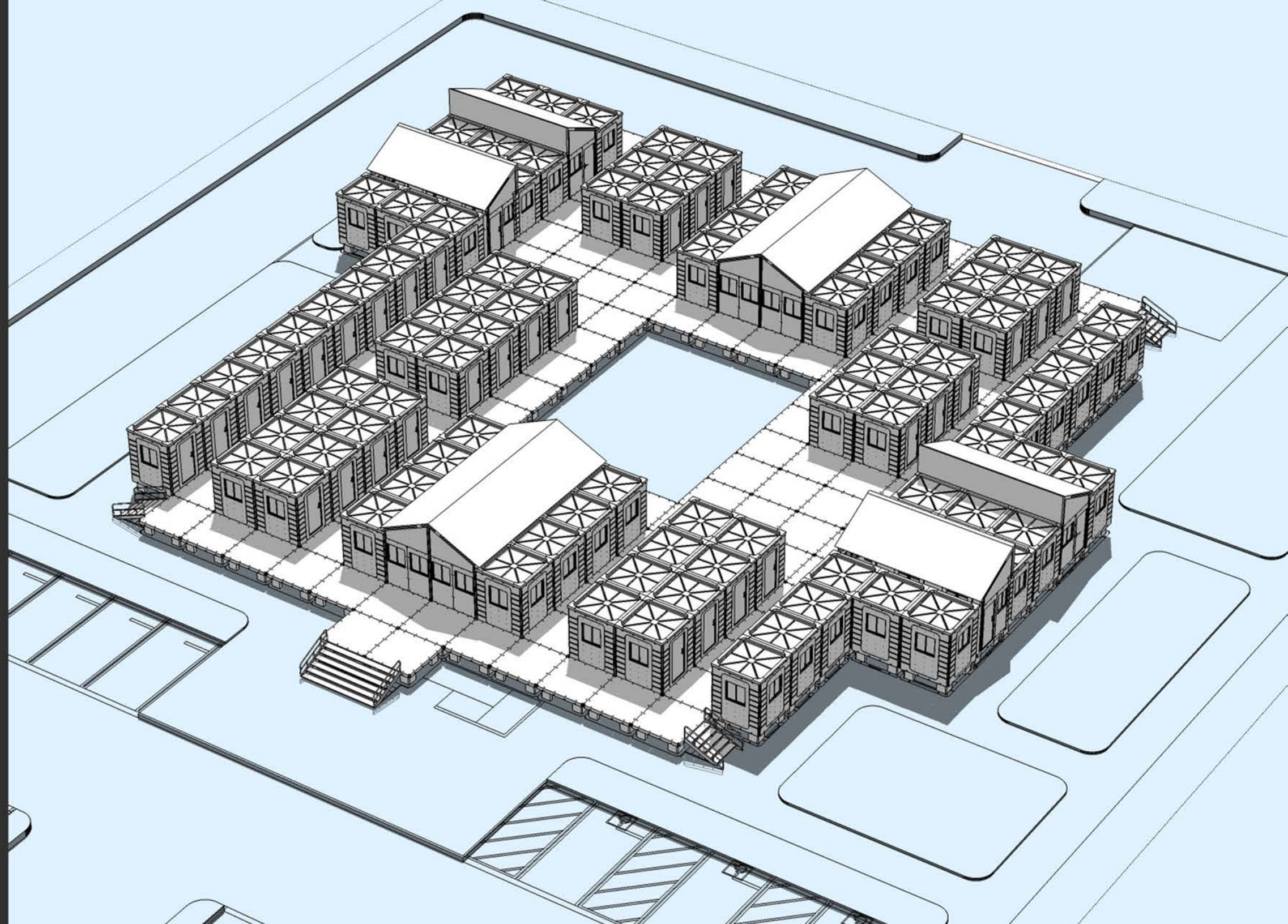
SOLAR POWER
Total Power Generated: 21.3 KWh



WASTE MANAGEMENT



WATER HARVESTING AND FILTRATION
Expected Daily Water Supply: 2,100 Liters (350 liters daily x 6 persons)





DISRUPTION: MATERIAL + METHOD



Solutions around solving the current housing crisis require radically shifting the construction industry.

LifeArk uses a proprietary composite-polymer molding technology to mass produce precise kit-of-parts, modular solutions that can be assembled into homes on land or water.

LifeArk's lightweight, integrated composite system provides high structural strength for wind and seismic conditions while its R-40 thermal value protects against extreme weather conditions.

PROTOTYPE



APPLICATIONS

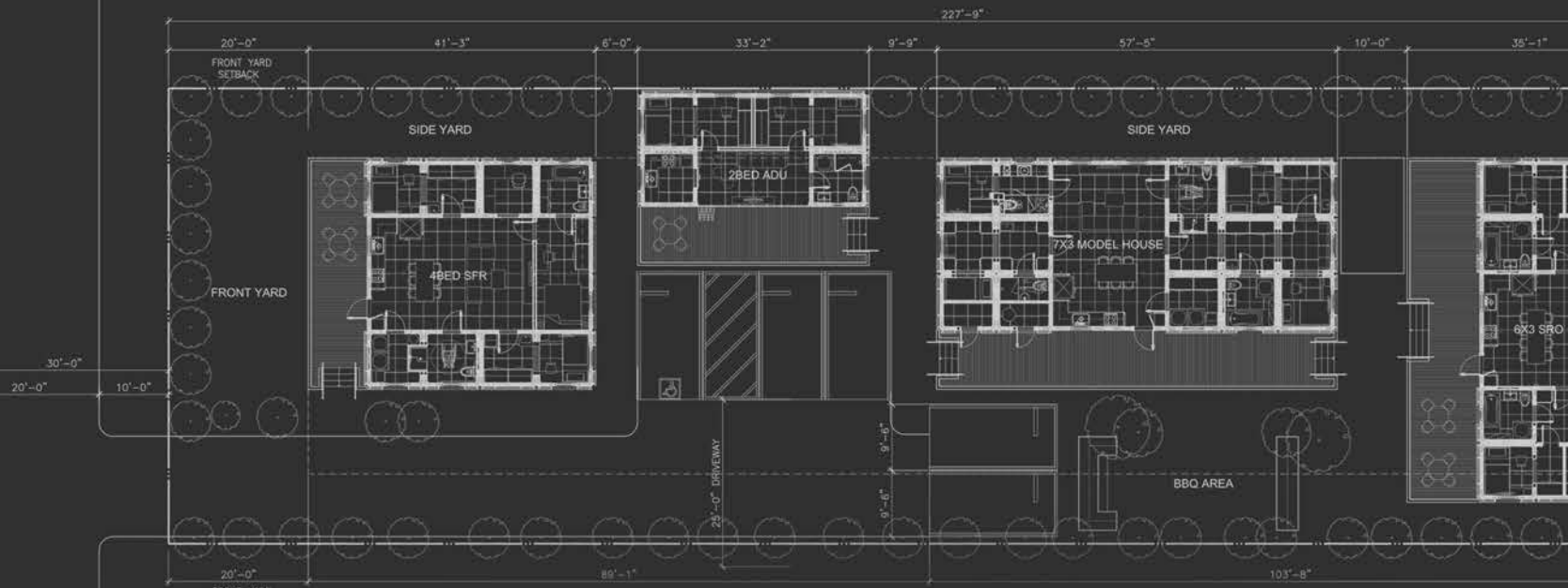


LifeArk is a versatile solution to a number of challenges:

- **DISASTER RELIEF**
 - Earthquakes
 - Flooding
 - Tsunamis
- **REFUGEE HOUSING**
- **HOMELESS HOUSING**
- **AFFORDABLE HOUSING**



HOUSING INNOVATION CHALLENGE

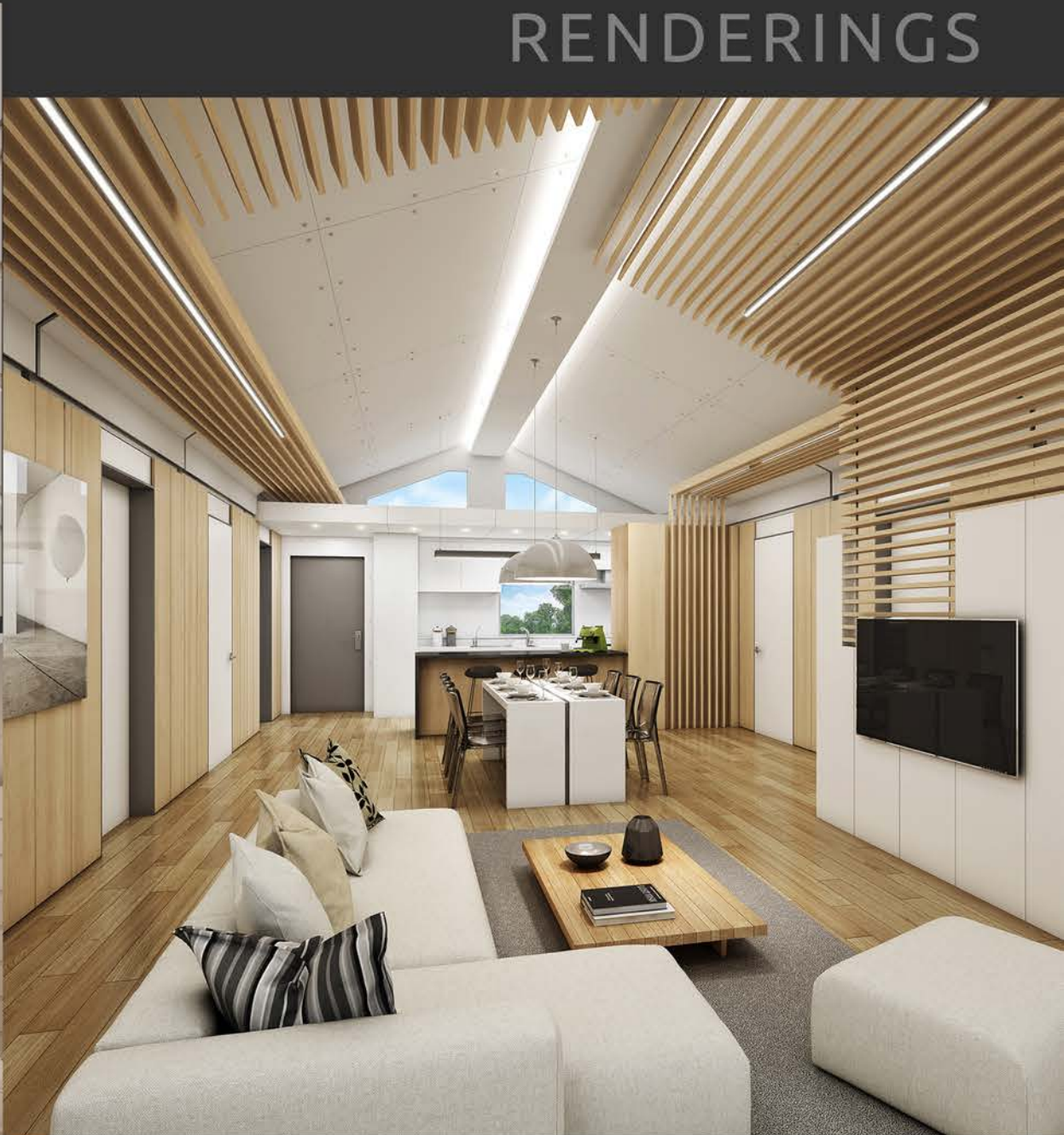


LifeArk Tyler will provide permanent supportive housing and ongoing ICMS services to 16 medically vulnerable homeless individuals stepped down from IFRC. Three units comprising two micro community units configured for twelve and four individuals each, and a smaller unit for support staff will be built on a 14,000 sf R-3 zoned lot in the City of El Monte currently in escrow for purchase.

The inaugural project will demonstrate how design of structures and programs can engender a sense of community and restore dignity and well-being for people transitioning out of homelessness.



RENDERINGS







PRESS & AWARDS



Monday, 29 April 2019:
HOME FOR GOOD FUNDERS COLLABORATIVE: ACCELERATING PERMANENT SUPPORTIVE HOUSING RFP AWARDEE

LifeArk Development Consortium was selected by the Home For Good Funders Collaborative for an award under the 2019 Accelerating Permanent Supportive Housing Request for Proposal. "Through this funding opportunity, the Funders Collaborative hopes to build on its long-standing history of investing in the growth of the housing development pipeline by supporting projects that test creative concepts and further our collective impact and understanding of how to advance housing solutions to end homelessness in LA County." - HOME FOR GOOD



Thursday, 17 January 2019
A COUNTY HOMELESS INITIATIVE HOUSING INNOVATION CHALLENGE WINNER

LifeArk was awarded as one of 5 winners for the LA County Homeless Initiative's first-ever Housing Innovation Challenge.

Among a pool of 60 eligible applicants from around the county, the Homeless Initiative selected 5 winners to receive a \$500K or \$1M fund to build out permanent supportive housing for people transitioning out of homelessness in LA County.



Friday, 9 November 2018
2018 HIVE 50 INNOVATOR

GDS Architects was selected as a HIVE 50 Innovator in the Design category for LifeArk's "Resilient Housing" system. Hanley Wood and HIVE 50 Innovators have recognized players that are "leading the charge to inspire creativity, improve performance, and explore better ways to build".

"The HIVE 50 Honorees represent the absolute pinnacle of creativity and technology applied brilliantly to the challenges facing the housing community. These innovators are solving problems we never before imagined we could address, pointing the way for growth and transformation for the future."

- John McManus, Vice President, Editorial Director for the Residential Group, HANLEY WOOD



Monday, 9 April 2018
2018 WORLD CHANGING IDEAS AWARDS FINALIST

LifeArk was chosen as one of the finalists under the Urban Design category for Fast Company's 2018 World Changing Ideas Awards. World Changing Ideas, now in its second year, celebrates businesses, policies, and nonprofits that are poised help shift society to a more sustainable and more equitable future. 12 winners and 240 finalists were chosen from a pool of nearly 1,400 total entries.

"All the entries deeply impressed us with their creativity, boldness, and potential for real impact—especially poignant in a year where any progress has seemed, at times, impossible."

- FAST COMPANY



Wednesday 16 August 2017
LIFEARK: ONE OF 17 SEMIFINALISTS FOR THE 2017 BUCKMINSTER FULLER CHALLENGE

"These Semifinalists were drawn from a truly exceptional pool of initiatives. We were very gratified – having been at this for ten years now – to see that the quality of the visions, the caliber of the teams, and the commitment to solving complex issues demonstrated in the entry pool were at an all-time high. It seems fitting to conclude and celebrate the first ten-year chapter of this prize program with the knowledge that comprehensive, anticipatory approaches to problem solving are on the rise around the world."

-Elizabeth Thompson, Fuller Challenge Founding Director
THE BUCKMINSTER FULLER INSTITUTE, August 18, 2017



Tower Infinity: The World's First Invisible Tower

-CNN, Forbes, Newsweek, The Wall Street Journal, ABC News, FOX News, WIRED Magazine

-Tower Infinity: TIME Magazine's **25 Best Inventions of the Year 2013**

-Winner of Most Contagious-Design 2013

Other Publications:

-A+ Magazine, Luxury Arch, Area 99,

-Future 14, Hinge, Wallpaper*,

-Competition Architecture



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