HUMANITARIAN DESIGN

incorporating holistic health into crisis relief design



thesis prep

How did I get here?

What impact can architecture and design have on the healing process within the context of a refugee camp?

War. Rape. Torture. Orphaned.

What is our response?

humanitarian design

The process of designing products, services, or systems for populations affected by natural disasters.



testimony



"As a kid from ages 1-7 I worried every day if the the truck would come that would deliver our food." **ANONYMOUS** When my hometown was destroyed due to violence we were forced to flee our home and start a refugee camp. This was in the jungle near Nepal. The camp was literally in the middle of trees, vegetation, and wildlife with no infrastructure. People were forced to use the bathroom right outside of their dwellings right in front of stranger there was no infrastructure to help. **ANONYMOUS** "I have been roaming aimlessly with my son for 60 days now. Nobody has shown us the way. if I want to apply for asylum, how exactly should I go about it? Where am I supposed to start my life? I cannot live here. How many more days can I live like this?" **ANONYMOUS** Having the opportunity to receive an education completely changed the opportunities I was able to have leaving the camp. I was able to attend a university and start a life after I left the camp. **ANONYMOUS**

altered lens



Shigeru Ban







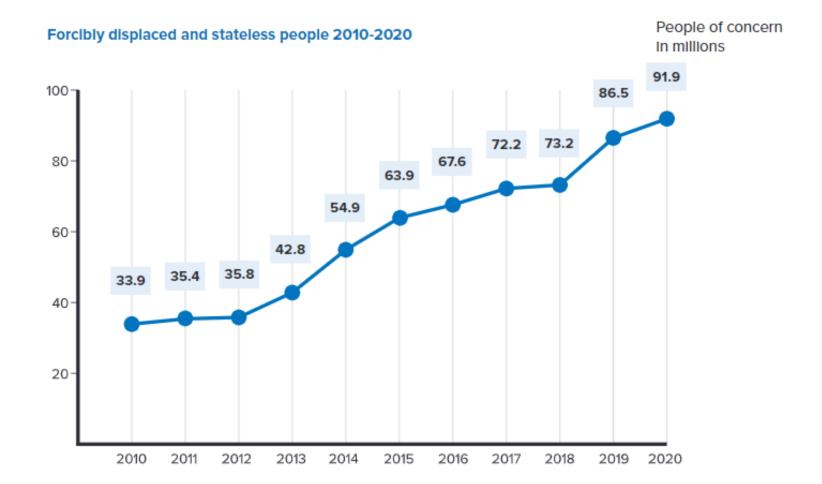


tension

Quantity. Efficiency. Cost.

Sustainable. Long Term. Truly Helpful.

background research



background research

13% Middle East and North Africa Asia and the Pacific 11% 17% The Americas 20% East and Horn of Africa and the Great Lakes West and Central Africa 19% 10% Southern Africa 9% Refugees Asylum-seekers Internally displaced people (IDPs) Returnees (refugees and IDPs) Stateless persons Others of concern Venezuelans displaced abroad As at end December 2020

Forcibly displaced and stateless people across seven regions

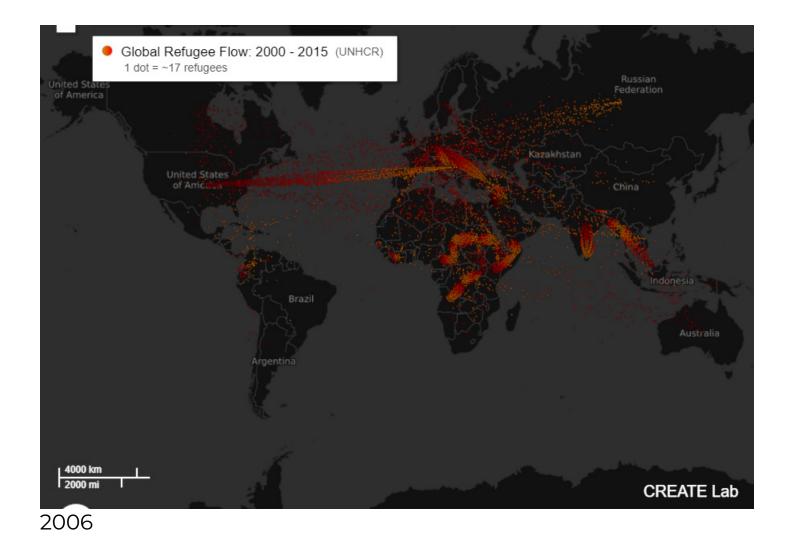
Forcibly Displaced People

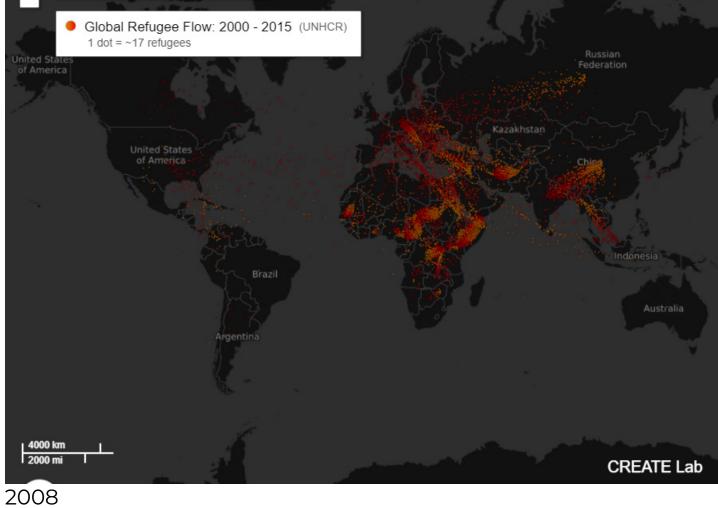
- Asylum Seekers
- Internally displaced
- Stateless
- Migrants
- Refugees

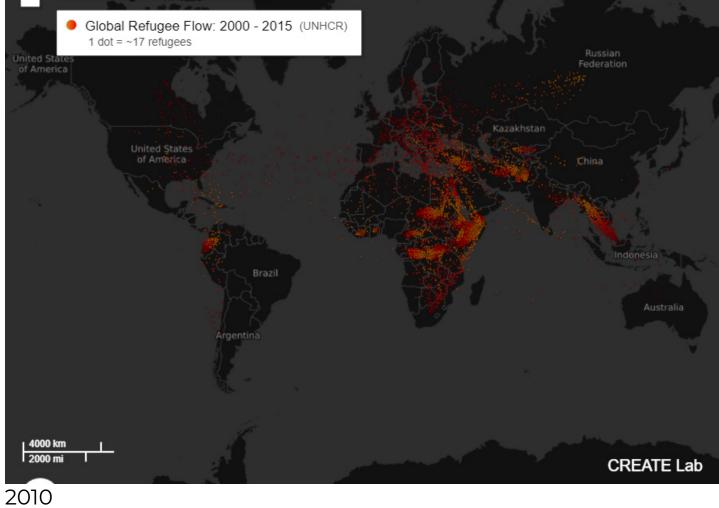
who is a refugee?

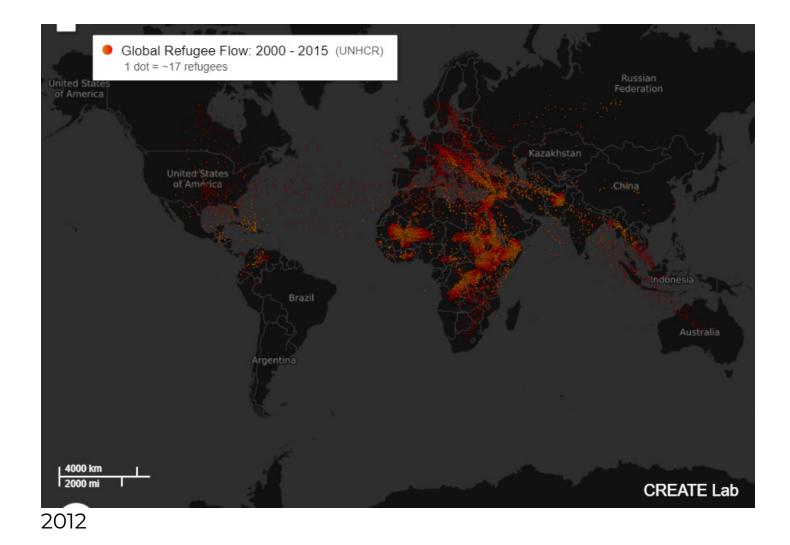


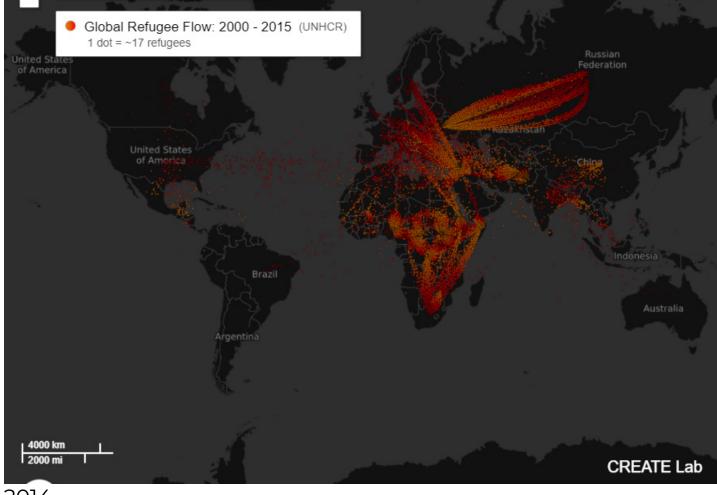




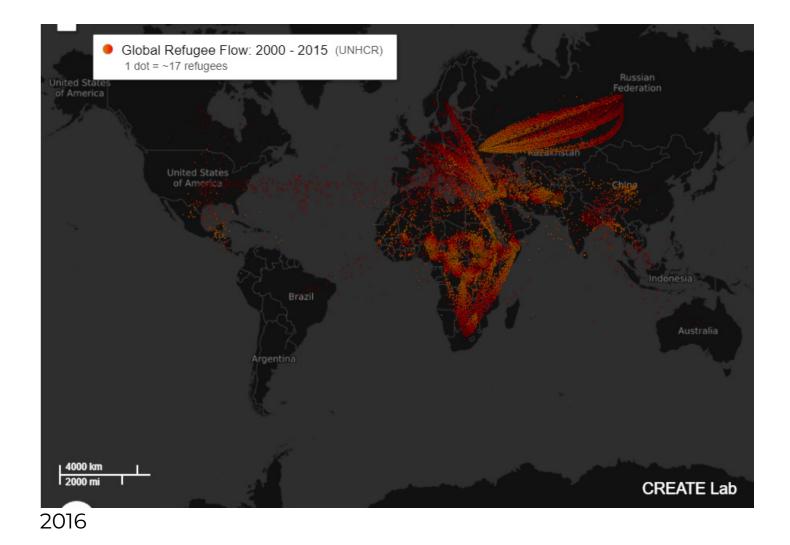








2014



tutapona

ABOUT:

Who: Tutapona

Where: Uganda

- What: Emotional Healing
- Why: Individuals Restored

VALUES:

Christ Centered

Courage

Integrity

People Focused

Excellence

PROGRAMS:



The GROW Program



Capacity Building, MHPSS Training



The HEROES Journey



Continuing Education & Community Outreach



Healthy Habits



Programmatic results



Individual Support



Our Theory of Change

testimony



testimonies

Daryna felt lost in a new city and surrounding after fleeing conflict in her hometown in Ukraine. To make things even harder, she became a first time mother during this period as well. But after attending the GROW program, she feels resilient, and is motivated to work for a future for her family. DARYNA Rawan felt ashamed at returning to school after missing several years as he was older than all his peers. He struggled with feeling angry and defeated. But after attending the GROW program, he is motivated to work for a future for himself and his family, and has learned how to have authentic hope! **RAWAN** Judi had feelings of worthlessness, and even contemplated suicide, until she heard about Tutapona's one-on-one support through her children attending the Heroes Journey. She found the strength to continue, and now finds joy in being with her family! JUDI Jamilla felt alone with no where to turn after fleeing from Syria, and losing two of her children. Then one day, Tutapona staff came to visit her in her tent, and invited her to attend a GROW program. She learn about for giveness, and how that for giveness can set her free! Now, she feels lighter, happier, and closer to God. JAMILLA Aliyah felt like she had failed her family when she was unable to provide for them after arriving in Uganda. She began isolating herself, and considered ending her life. After attending the Tutapona's programming, she has learned ways to cope with her emotions, and has built a community of people she trusts and can talk to . ALIYAH Revind felt alone, and she didn't know how to deal with the emotions she was facing. After attending the Heroes Journey, she learned the power of belief, and now she knows that God is always with her, no matter what she is facing! Revin is a hero! **REVIN** Jowan started to feel afraid and ashamed at a young age. After participating in the Heroes Journey program, he is now excited about life everyday! **JOWAN**

project overview

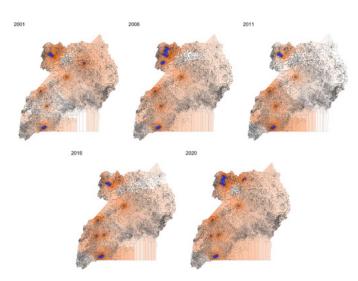




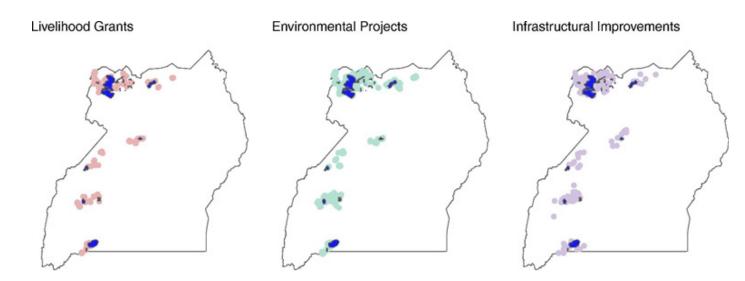
Africa

Uganda

project overview

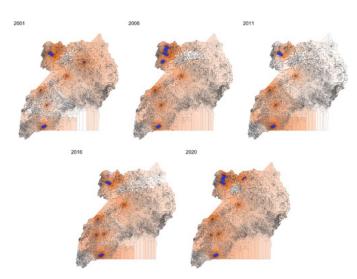


Refugee Density Map

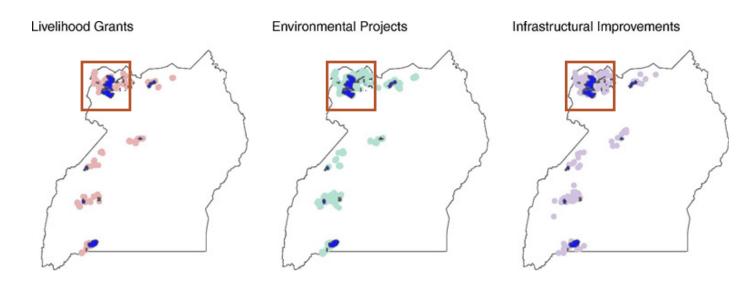


World Bank Work Zones

project overview



Refugee Density Map



World Bank Work Zones

current site







project goals





Incorporate Holistic Health Strategies





Walkable Distances



Circular Design



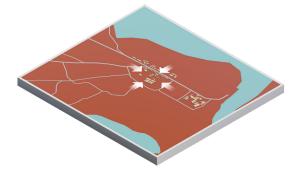






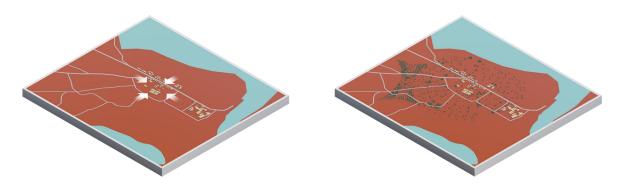


master plan - site plan



Consolidation





Consolidation

Vegetation





Consolidation

Vegetation

Cluster Placement







Consolidation

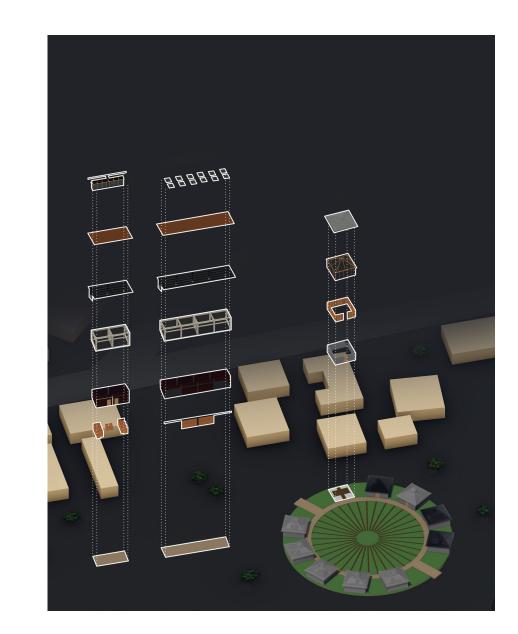
Vegetation

Cluster Placement

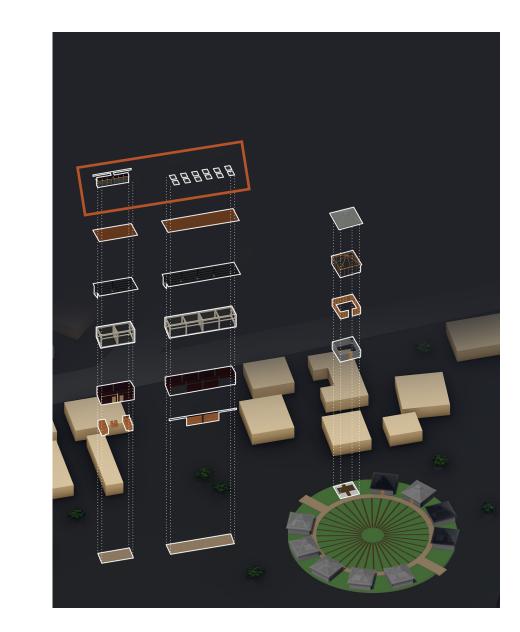
Open Spaces

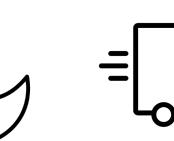




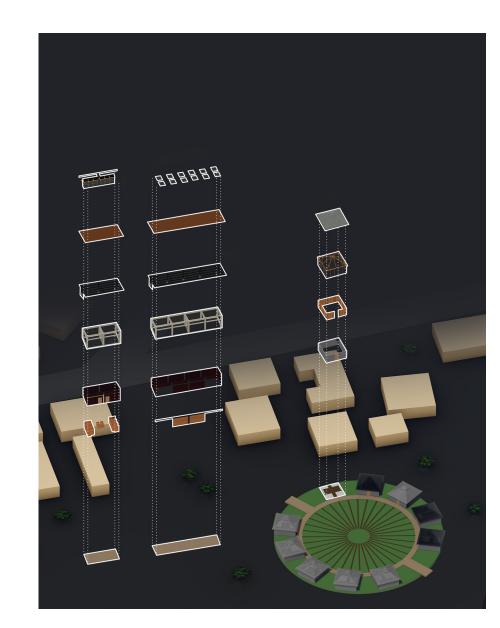


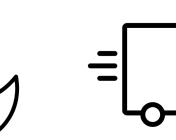




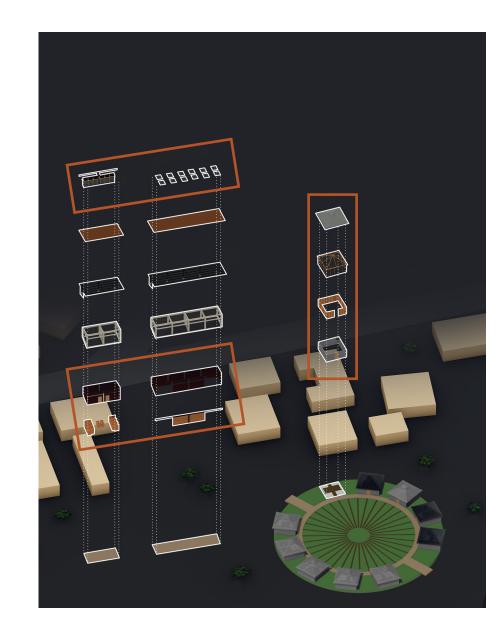


Passive Design Decrease embodied energy





Passive Design Decrease embodied energy



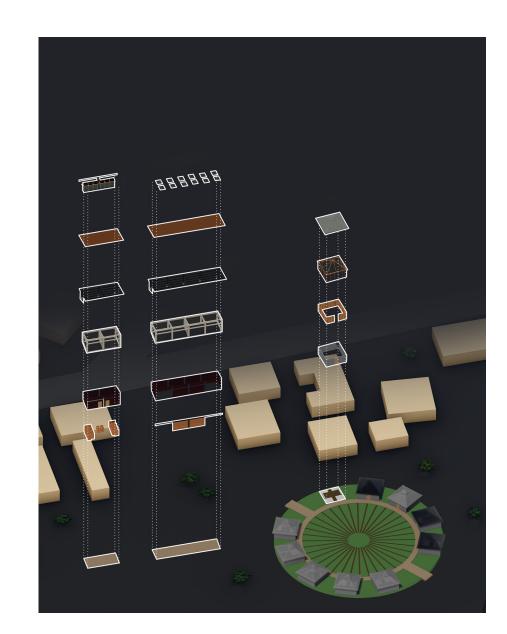


Passive Design





Decrease embodied energy



construction/materials

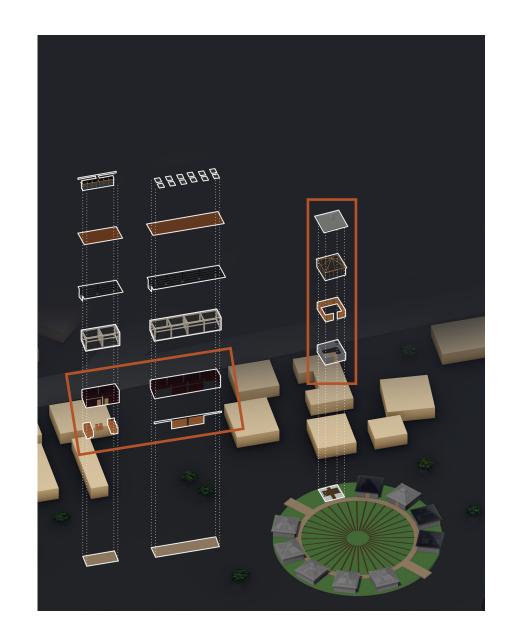


Passive Design





Decrease embodied energy



construction/materials



Passive Design

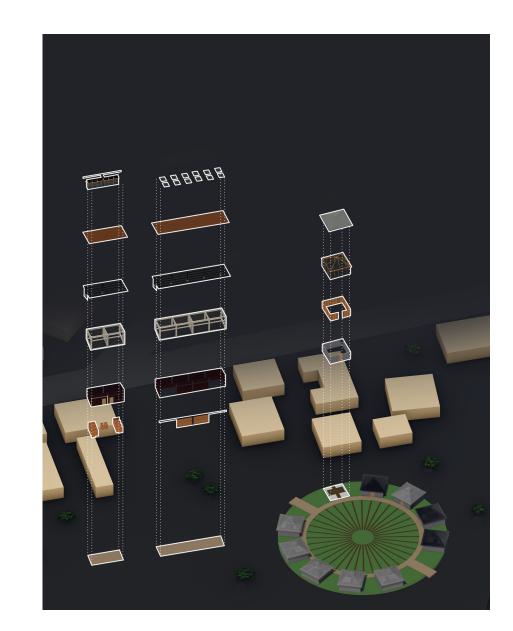




Decrease embodied energy



Simple Construction



construction/materials



Passive Design

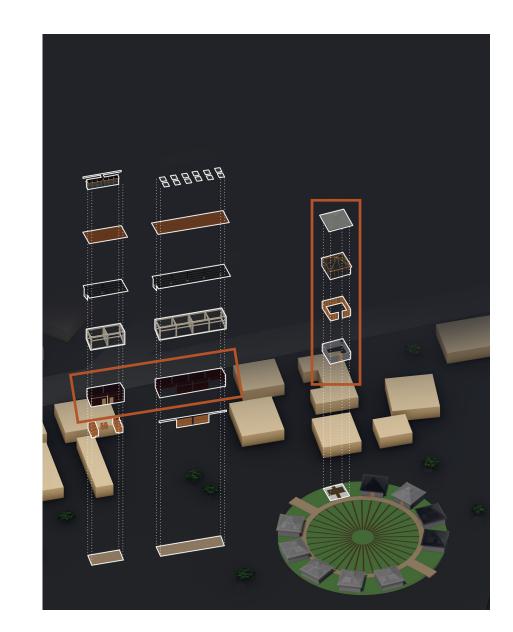




Decrease embodied energy



Simple Construction



primitive construction









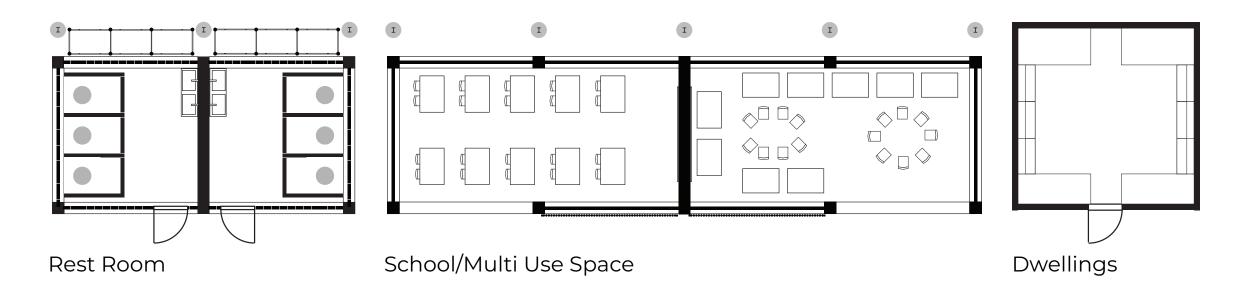




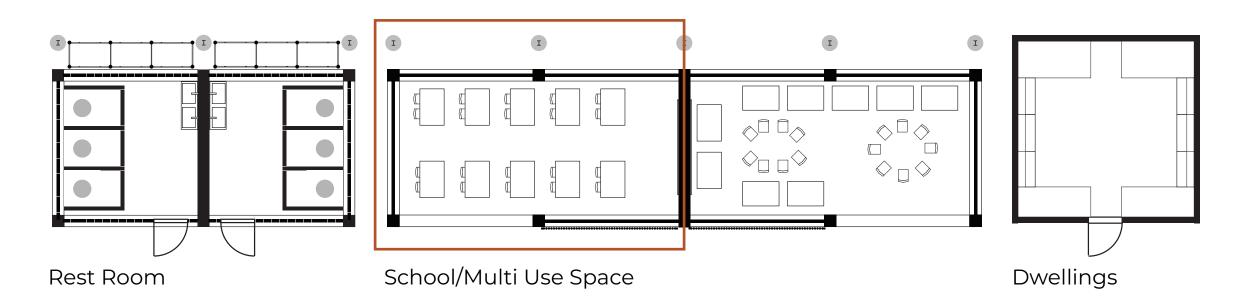
passive/sustainable design



floor plans



floor plans





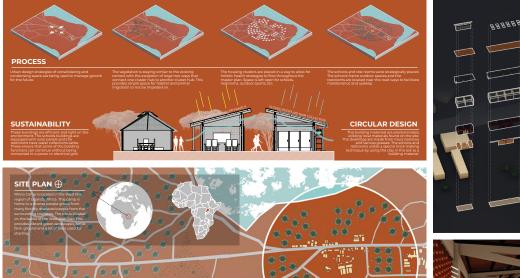
conclusion



HUMANITARIAN DESIGN incorporating holistic healing into crisis relief design











UNHCR. (n.d.). About. Retrieved September 29, 2023, from https://www.unhcr.org/about-unhcr Dezeen. (2022, March 22). Balbek Bureau proposes "temporary but dignified" refugee villages for Ukraine's displaced... https://www.dezeen.com/2022/03/22/re-ukraine-balbek-bureau-refugee-village/ Cortex Shelter for refugees could be built in 24 hours from concrete fabric. (2019, September 17). Dezeen. https://www.dezeen.com/2019/09/17/cortex-shelter-cutwork-refugee-architecture/ Dadaab Camps | Living, Learning and Teaching in Dadaab. (n.d.). Retrieved December 5, 2023, from https:// Iltd.educ.ubc.ca/media/dadaab-camps/ Fatalities from natural disasters worldwide 2022. (n.d.). Statista. Retrieved November 3, 2023, from https:// www.statista.com/statistics/510952/number-of-deaths-from-natural-disasters-globally/ Global migration and refugee crisis. (n.d.). Doctors Without Borders - USA. Retrieved October 2, 2023, from https://www.doctorswithoutborders.org/what-we-do/focus/migration-and-refugee-crisis HEALING Definition & Usage Examples. (2023, November 6). Dictionary.Com. https://www.dictionary.com/ browse/healing

Jordan's Za'atari refugee camp: 10 facts at 10 years. (n.d.). UNHCR US. Retrieved December 5, 2023, from https://www.unhcr.org/us/news/stories/jordans-zaatari-refugee-camp-10-facts-10-years

Kalisch, B. J. (1973). What Is Empathy? The American Journal of Nursing, 73(9), 1548–1552. https://doi. org/10.2307/3422614

Leite, L. (2016, July 5). The Value of Humanitarian Design: The Case of the APIS Project. 11th EAD Conference Proceedings: The Value Of Design Research. European Academy of Design Conference Proceedings 2015. https://doi.org/10.7190/ead/2015/102

Nielsen, B. F. (2020). Humanitarian Design. In Humanitarianism: Keywords (pp. 96–99). Brill. https://doi. org/10.1163/9789004431140_046

Refugee Statistics | USA for UNHCR. (n.d.). Retrieved September 29, 2023, from https://www.unrefugees.org/ refugee-facts/statistics/

Rohingya emergency. (n.d.). UNHCR US. Retrieved December 5, 2023, from https://www.unhcr.org/us/ emergencies/rohingya-emergency

Ronald, M. A. (2022). An assessment of economic and environmental impacts of refugees in Nakivale, Uganda. Migration and Development, 11(3), 433–449. https://doi.org/10.1080/21632324.2020.1787105 Staff, A. J. (n.d.). Mapping the largest Syrian refugee camp in the world. Al Jazeera. Retrieved December 5, 2023, from https://www.aljazeera.com/news/2022/7/28/mapping-the-largest-syrian-refugee-camp-in-theworld

TED (Director). (2013, August 13). Shigeru Ban: Emergency shelters made from paper. https://www.youtube. com/watch?v=q43uXdOKPD8

THE AMERICAN INSTITUTE OF ARCHITECTS. (2020).

Tutapona. (2023, July 11). Tutapona. https://www.tutapona.com

Uganda Refugee Response: Rhino Camp settlement dashboard Quarter 1 2023. (n.d.). UNHCR Operational Data Portal (ODP). Retrieved December 4, 2023, from https://data.unhcr.org/en/documents/details/100779 Uganda's open-door policy | D+C - Development + Cooperation. (2023, January 11). https://www.dandc.eu/en/ article/masses-people-flee-strife-torn-countries-international-donors-appreciate-ugandas-valuable UNHCR Strategic Directions 2022-2026. (n.d.). Global Focus. Retrieved October 23, 2023, from https:// reporting.unhcr.org/unhcr-strategic-directions-2022-2026

United States Population (2023)—Worldometer. (n.d.). Retrieved October 23, 2023, from https://www. worldometers.info/world-population/us-population/

Utah, New Mexico, South Carolina See Highest Death Rates. (n.d.). Retrieved November 3, 2023, from https:// datawrapper.dwcdn.net/ojUe2/15/ Venice—Maritime, Republic, Lagoon | Britannica. (n.d.). Retrieved December 14, 2023, from https://www. britannica.com/place/Venice/History

Watch Human Flow | Prime Video. (n.d.). Retrieved October 23, 2023, from https://www.amazon.com/ Human-Flow-Amazon-Original-Movie/dp/B075VJNKZC/ref=sr_1_1?s=instant-video&ie=UTF8&qid=1515507013& sr=1-1&keywords=Human+Flow

What is a Refugee? Definition and Meaning | USA for UNHCR. (n.d.). Retrieved September 12, 2023, from https://www.unrefugees.org/refugee-facts/what-is-a-refugee/

What is Holistic Health? Overview and Career Outcomes. (2022, May 20). https://www.stkate.edu/healthcaredegrees/what-is-holistic-health

What we do. (n.d.). UNHCR. Retrieved November 27, 2023, from https://www.unhcr.org/what-we-do Zhou, Y.-Y., Grossman, G., & Ge, S. (2023). Inclusive refugee-hosting can improve local development and prevent public backlash. World Development, 166, 106203. https://doi.org/10.1016/j.worlddev.2023.106203