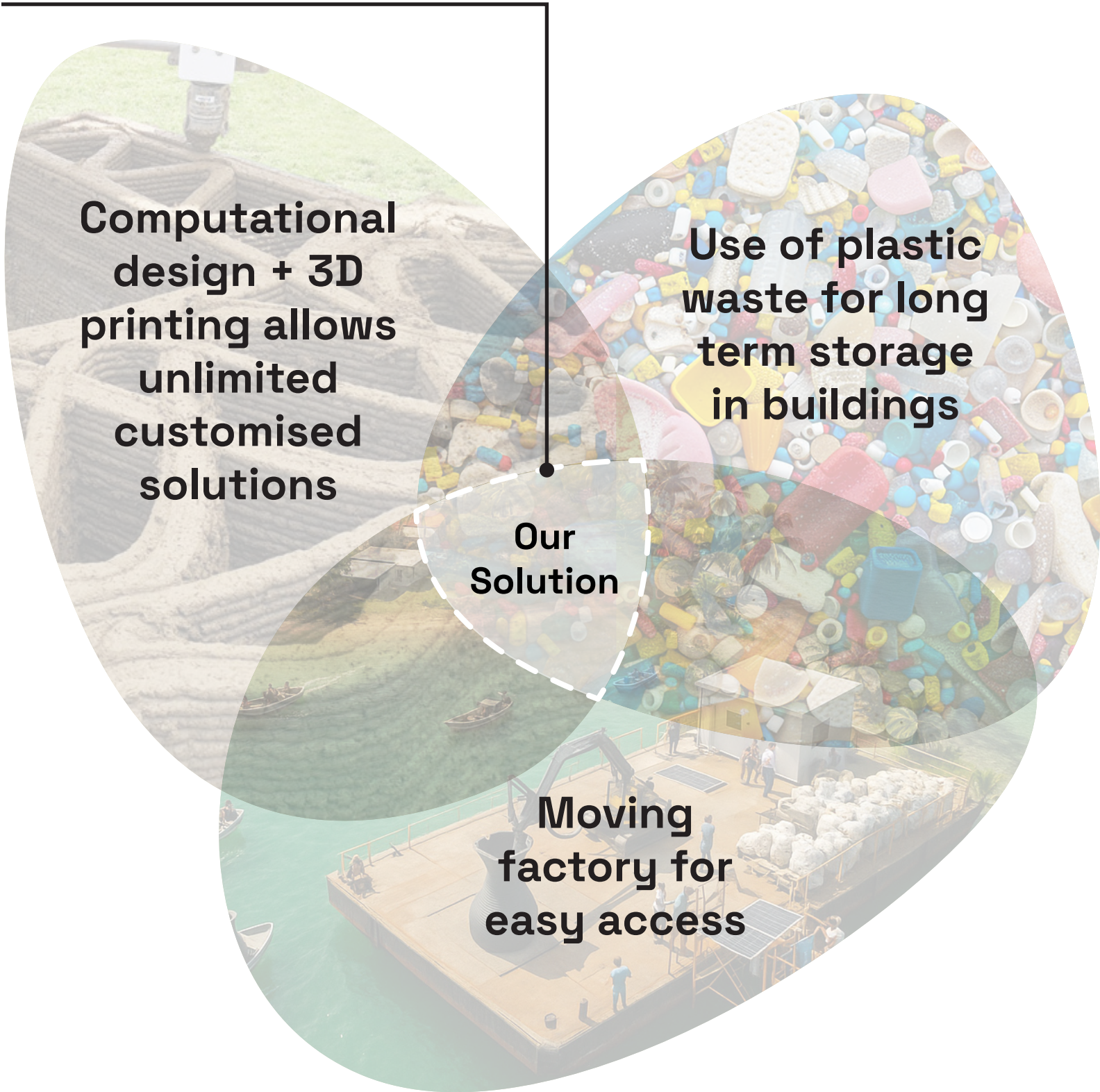


# SOLAR VESSELS

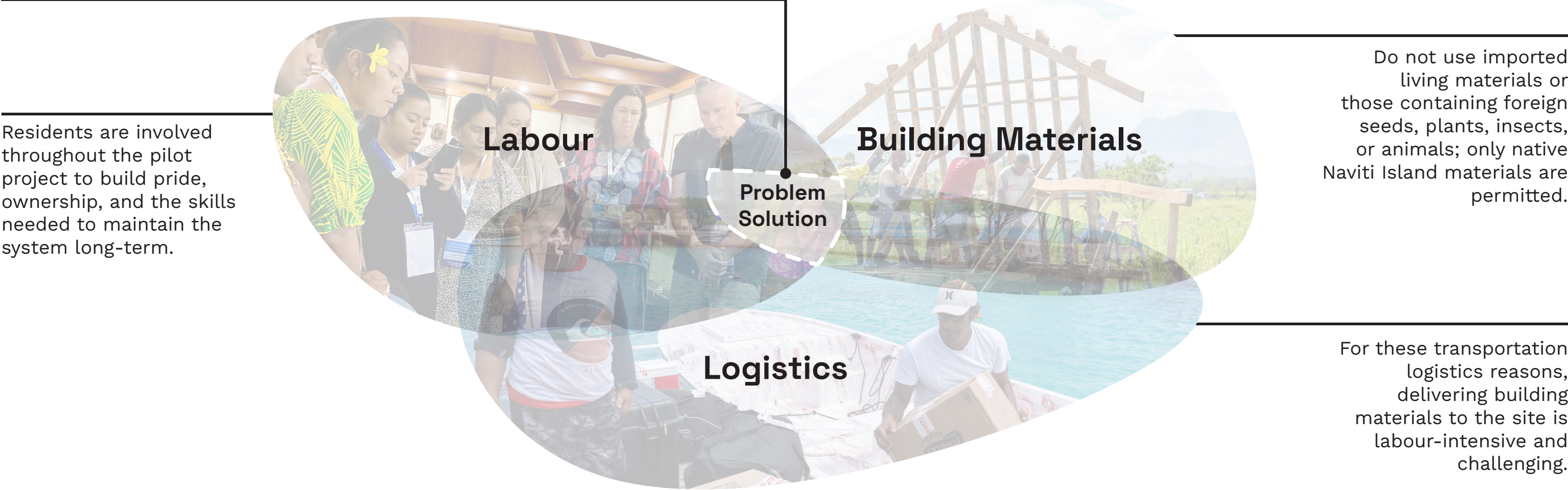
Our design responds directly to the environmental challenges of the Anthropocene—an era marked by significant human impact on the planet. In Fiji, plastic pollution is not only a pressing ecological issue but also a symbol of the broader global crisis. Rather than viewing plastic waste solely as a problem, we see it as an opportunity: a local, abundant, and untapped material resource for regenerative construction. Our proposal transforms this waste into a sustainable asset through computational design and digital fabrication.

We propose using 3D printing to convert plastic waste into modular building components. This process leverages our expertise in computational design, digital fabrication, and material science. Computational design enables the creation of adaptable, site-specific solutions, from furniture to full-scale infrastructure.

## Design Opportunities We Identified



## Our understanding of the Problem You Defined



## Additional Local Challenges We Identified



The effects of the Anthropocene - the period of time during which human activities have impacted the environment enough to constitute a distinct geological change - has left its impact on Fiji's land and water with plastic pollution being seen as a national challenge. The nation is a strong advocate for a robust global treaty aimed at reducing plastic production and promoting sustainable disposal practices.