

POST-DISASTER POST-CONFLICT EMERGENCY SHELTERS: A HOLISTIC APPROACH

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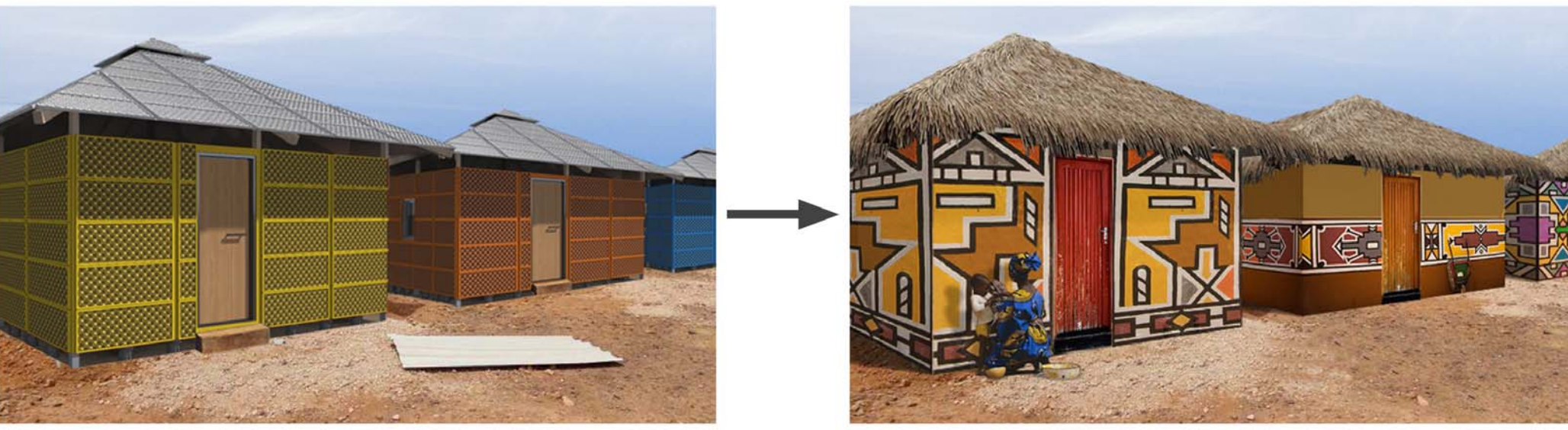
TRADITIONAL

SHELTER CONTEXT-DEPENDENT

Main features of the shelter design are retrieved from vernacular african architecture:

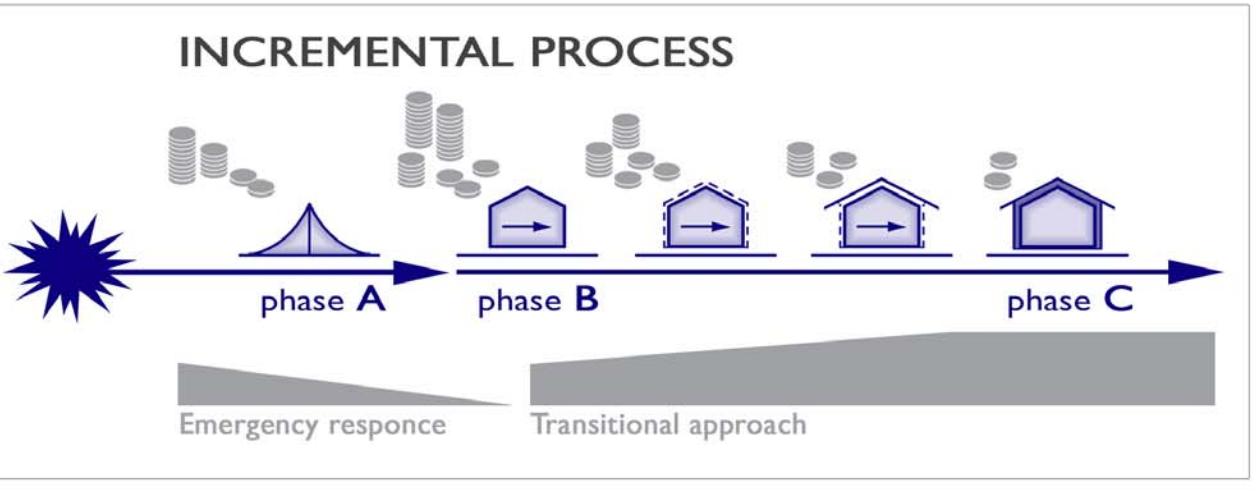
- Footprint layout;
- Separation between wooden load-bearing structure and external skin;
- Superstructure detached from ground level, to increase protection from wild animals and insects, and to enhance natural ventilation;
- Openings to facilitate flow of fresh air for increased cooling;
- Use of natural materials such as adobe and straws;
- External decorative patterns.

- What need did the project fill?
Context-dependent Sheltering solutions
- Why is it different/ special/ unique?
We account for cultural needs and traditional elements of self-construction to mitigate the social impact of living in shelters
- What challenges were faced and how were they overcome?
*1. Providing shelters solutions for NGOs at affordable cost, whilst also accounting for social and environmental needs
2. Conciliating the (often contrasting) spheres of social and environmental sustainability and economic viability*
- What did it achieve? What are the current and future benefits?
Accounting for the three spheres (social, environmental and economic) enables for a smoother transition, from temporary shelters to permanent housing

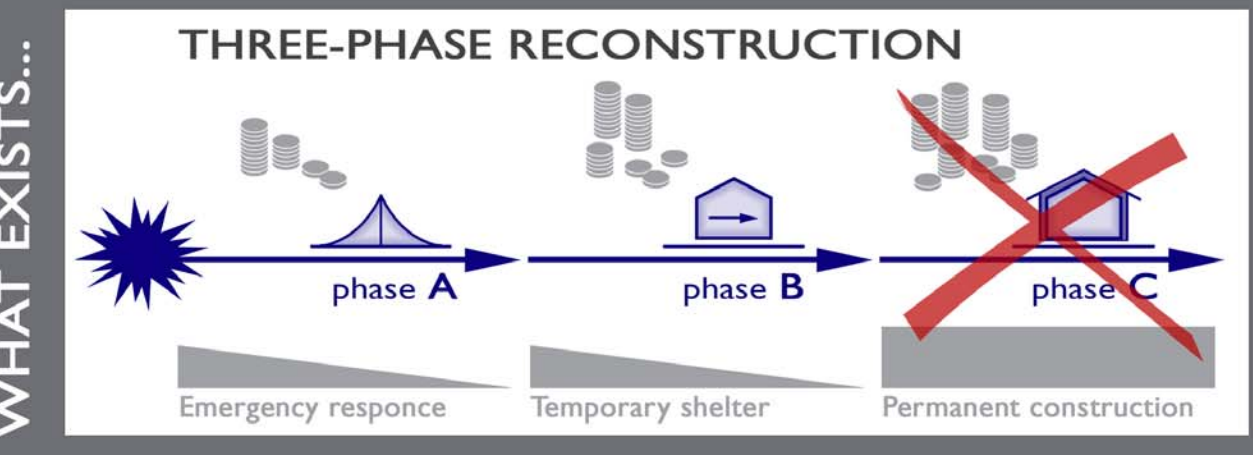


CUSTOMIZATION

Once permanent, houses can be customised with mural paintings, mats and rugs, in line with the local customs and traditions.



- Cost: 2500€
- Costruction: 4 pax in 24hr
- Life span: same as permanent housing
- Environmental sustainability
- Context-dependent
- Customisable
- Internal comfort
- Social suitability



BETTER SHELTER IKEA (phase B)

- Cost: 1000€ (excluded dismissal)
- Costruction: 4 pax in 4hr
- Life span: 3 years
- No environmental sustainability
- No context-dependent
- Not customisable
- Poor internal comfort
- No social suitability

T-SHELTER AZRAQ CAMP, JORDAN (phase B)

- Cost: 1250€ (excluded dismissal)
- Costruction: 4 pax in 16hr
- Life span: can be disassembled
- No environmental sustainability
- No context-dependent
- Not customisable
- Poor internal comfort
- No social suitability

Looking for color: T-Shelters in the Azraq camp, painted by young artists with the help of local refugees. A way of dignifying their day-to-day lives, to make the place feeling more like home than a temporary shelter.

WHAT EXISTS...