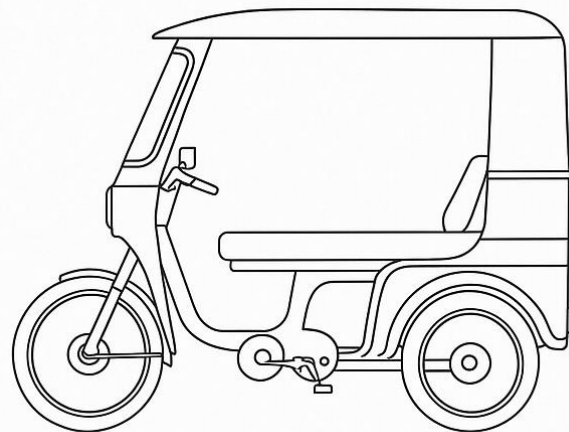
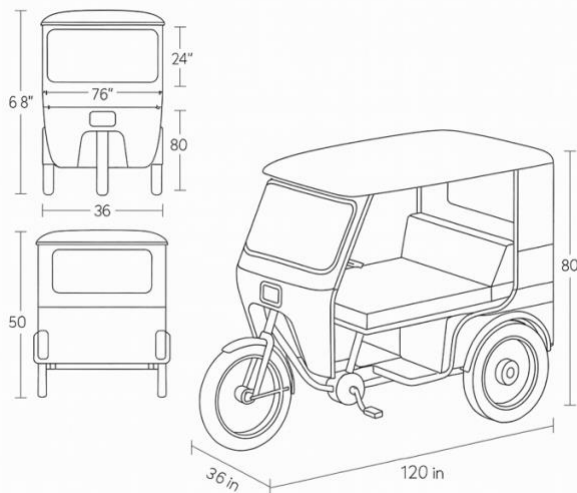
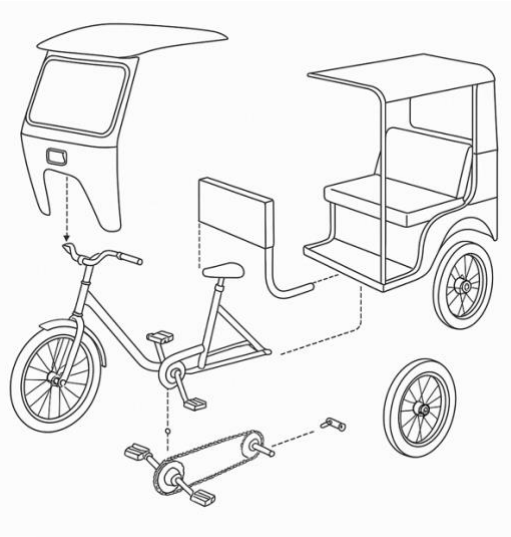


HUUT — Home Urban Utility Transport



Project Overview

HUUT is a human-powered, three-wheeled bicycle designed to serve as both **primary transportation and a mobile living shelter** for individuals experiencing homelessness, displacement, or humanitarian crisis. It is intended for urban environments as well as disaster and conflict-affected regions where mobility, shelter, and dignity are critical.

Problem Statement

Millions of people lack safe shelter and reliable transportation. Existing solutions are often stationary, temporary, or inaccessible. HUUT addresses this gap by providing a **self-**

contained, mobile, and human-scale solution that enables safety, autonomy, and movement without reliance on fuel or infrastructure.

Design Concept

- **Three-wheeled bike (rickshaw-style)** for stability and load capacity
- **Passenger seat converts into a retractable 76-inch sleeping bed**
- **Lightweight metal frame with durable canvas enclosure**
- Side and rear panels **roll up during the day** and **secure at night** for sleep and weather protection
- Designed for **ventilation, rain runoff, and wind resistance**

Key Design Requirements

- Lightweight and easy to pedal
- Compact and modular for **flat-pack shipping**
- Simple assembly using common tools
- Durable, repairable, and adaptable to different environments
- Designed for **scalable, low-cost mass production**

Intended Use

- Primary transportation
- Sleeping and weather protection
- Temporary or transitional housing
- Humanitarian aid and disaster relief

Distribution Model

HUUT units will be distributed **free of charge through a nonprofit organization** in partnership with local organizations, bike co-ops, and humanitarian agencies.

Current Status

- Initial concept and schematic completed
- Seeking fabrication, engineering, and design collaboration
- Prototype development planned as next phase