

OHO Tricycle Cargo Bike

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Project Description:

The OHO Tricycle Cargo Bike is an innovative, open-source vehicle designed for sustainable transport and cargo mobility. It combines environmental consciousness, mechanical efficiency, and community-driven development. This project emphasizes accessibility, ease of replication, and low-cost fabrication.

Technical Features:

- Three-wheel design for balance and safety.
- Modular cargo area adaptable for various uses (e.g., delivery, recycling, vending).
- Human-powered with option to integrate electric assist.
- Built using open-source mechanical components and sustainable materials.

Environmental Impact:

- Reduces carbon footprint by promoting non-motorized transport.
- Encourages use of recycled and locally available materials.
- Supports sustainable urban logistics and clean mobility.

Benefits and Usage:

- Ideal for small business logistics, eco-tourism, and local deliveries.
- Can be modified for specialized uses such as street food carts or mobile workshops.
- Enhances green jobs creation and DIY innovation.

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Innovation Highlights:

- Open Hardware based design.
- Customizable and upgradable with community contributions.
- Encourages skills development in sustainable fabrication and transportation.