

Oka Taxis

Context:

The "last mile" in logistics refers to the final stage of delivering goods or services to end users, often in remote or underserved areas. In low- and middle-income countries (LMICs), this issue affects millions of people living in rural areas, urban slums, and other marginalized communities.

Who Lives in the Last Mile?

Rural Areas:

- Populations in rural regions often rely on footpaths, poorly maintained roads, or seasonal routes that may become inaccessible due to floods or other environmental factors.
- These communities include indigenous groups, people living in extreme poverty, and those displaced by conflict or climate change.

Urban Slums:

- Approximately 1 billion people globally live in urban slums, which are characterized by a lack of access to basic services like water, sanitation, electricity, and transport networks.
- Residents often face environmental degradation, overcrowding, and high levels of poverty that limit their ability to access essential goods and services.

Problem:

In 2020 alone, an estimated 287,000 women died from causes related to pregnancy, childbirth, and the postpartum period, with the vast majority of these deaths occurring in low- and middle-income countries (LMICs) [WHO, 2023](#). A significant contributor to this tragic toll is the long distance many women must travel from remote villages to reach a hospital, often without any reliable transportation. In many regions, the lack of paved roads and the absence of functioning ambulances make timely access to emergency obstetric care nearly impossible. While ambulance services have been launched by organizations like the United Nations in some areas, these efforts frequently fail due to the absence of maintenance plans

and sustainable business models, leaving communities once again without lifesaving transportation.

Our Innovation:

Solidarmed and EssentialTech has co-developed new Electric TukTuks for General and Emergency Transports

- Range: 80-100 kms
- Battery: Swappable - Li-ion
- Number of people that can fit: Officially 5, up to 20
- Reinforced structure for difficult road conditions



Goal:

We want to deploy these e-ambulance-taxis starting in Mozambique and then beyond. Your objective is to show the positive impact you can have with the successful deployment of

these e-tuktuks, as well as present a sustainable business model that ensures positive impact.