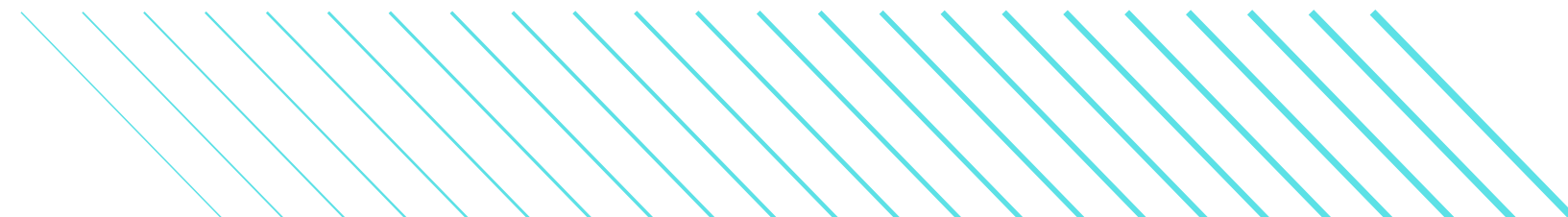
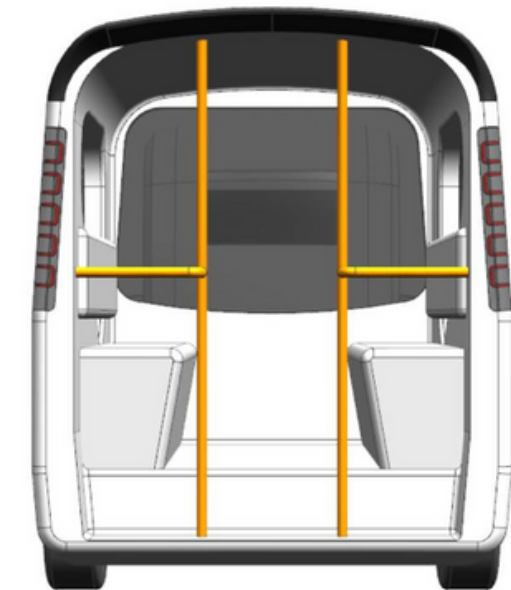
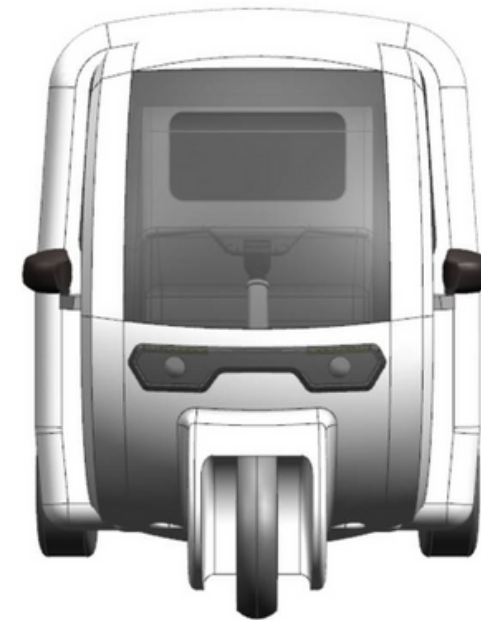
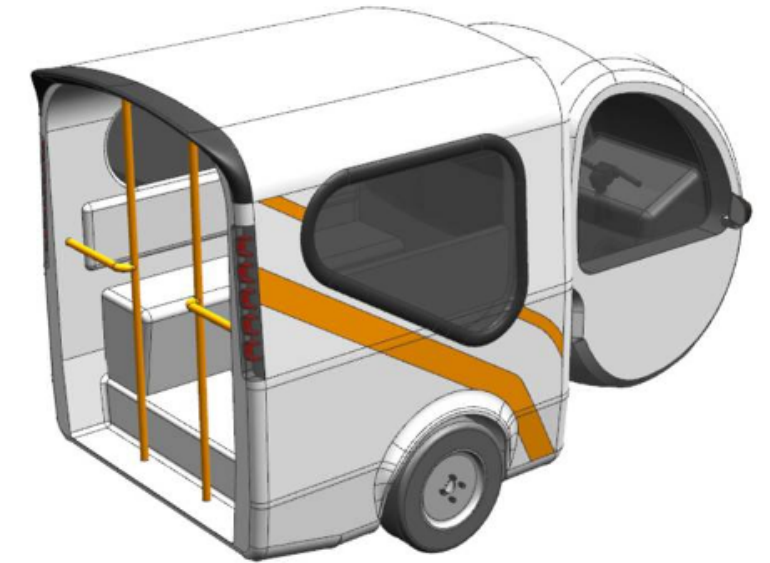
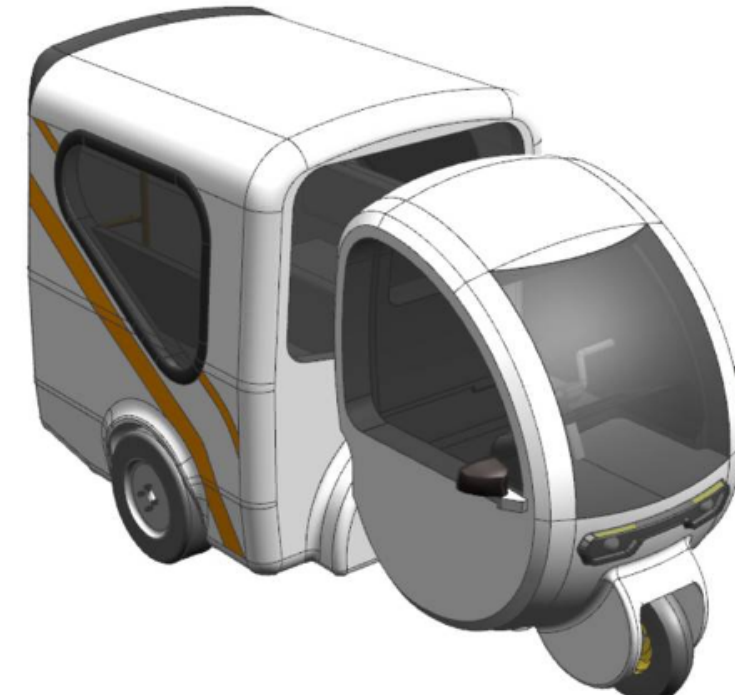




ELECTRIC TUK-TUK SYSTEM AND SERVICE





ABOUT THE PROJECT

Leading by E-sarn Technological College (ETC), the project aims to transition from existing gasoline-powered Tuk-Tuk to an electric Tuk-Tuk and establish an affordable and environmentally-friendly public transportation option and data for Udon Thani residents.



Transition from gasoline-powered 3-wheel to electric 3-wheel by introducing new innovative design



Create sustainable and affordable transportation services for the locals.



Create job opportunities and sustainable income for the local

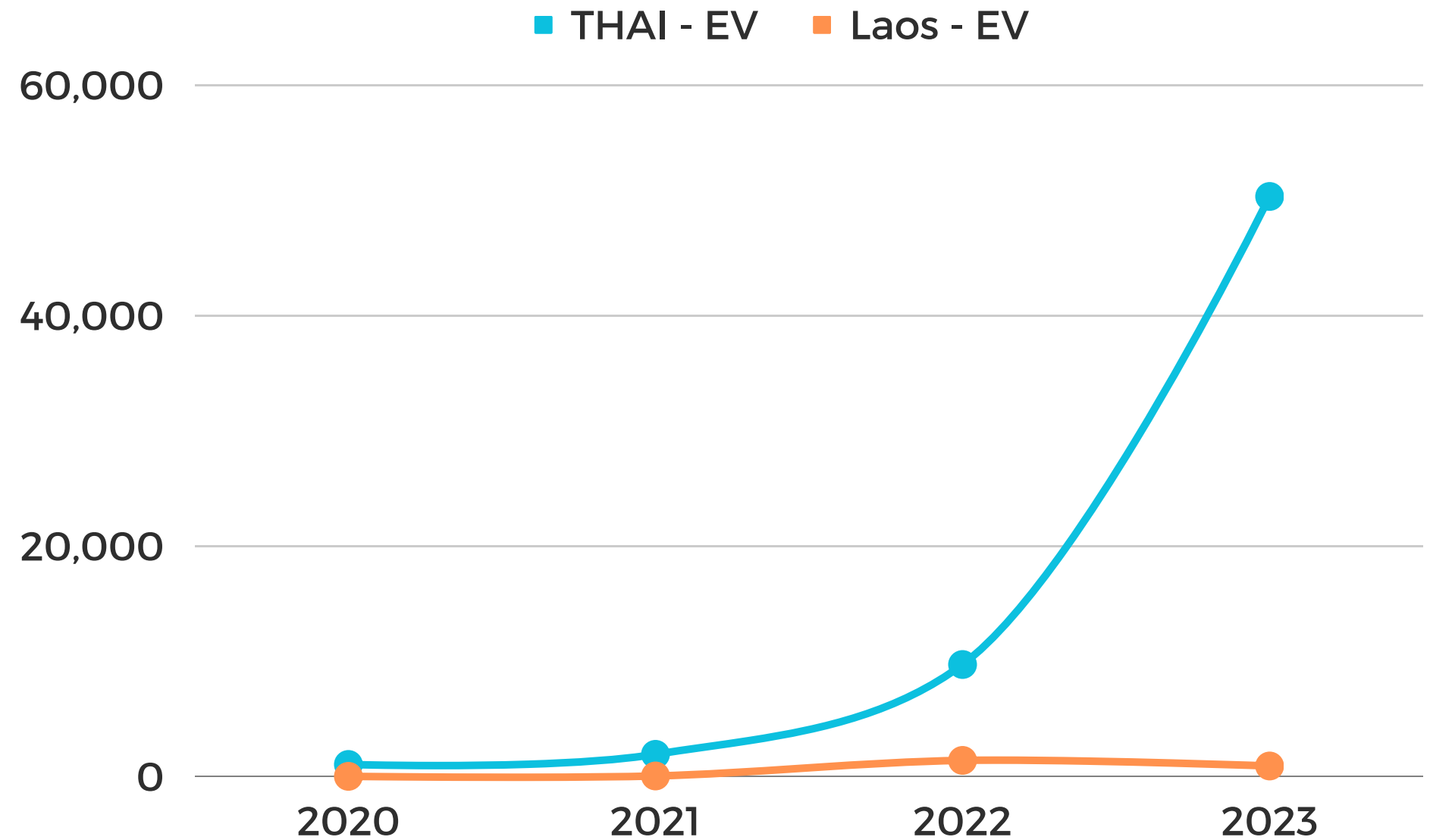


LOCA
GET AROUND LIKE A LOCAL

BACKGROUND CONTEXT

The swift embrace of electric vehicles (EVs) in Thailand and Laos reflects a growing trend where more individuals are choosing EVs as their preferred mode of transportation.

Nevertheless, it's important to acknowledge that not everyone has the means to purchase or own an electric vehicle.



source 1: <https://autolifethailand.tv>

source 2: <https://loca.la>

BACKGROUND CONTEXT



image source: https://commons.wikimedia.org/wiki/File:Tuk-tuk_in_Nong_Khai_01.jpg

Past Adaptation

Well-Adapted for Local and Tourist Use

Current Challenges

- Rising Gas Prices
- Environmental Concerns
- Climate Change

The Need for Change

- Lack of Sustainability
- Safety improvement



Funding for the prototype and pilot project



Project Coordinator



Research - Design - Development of the prototype

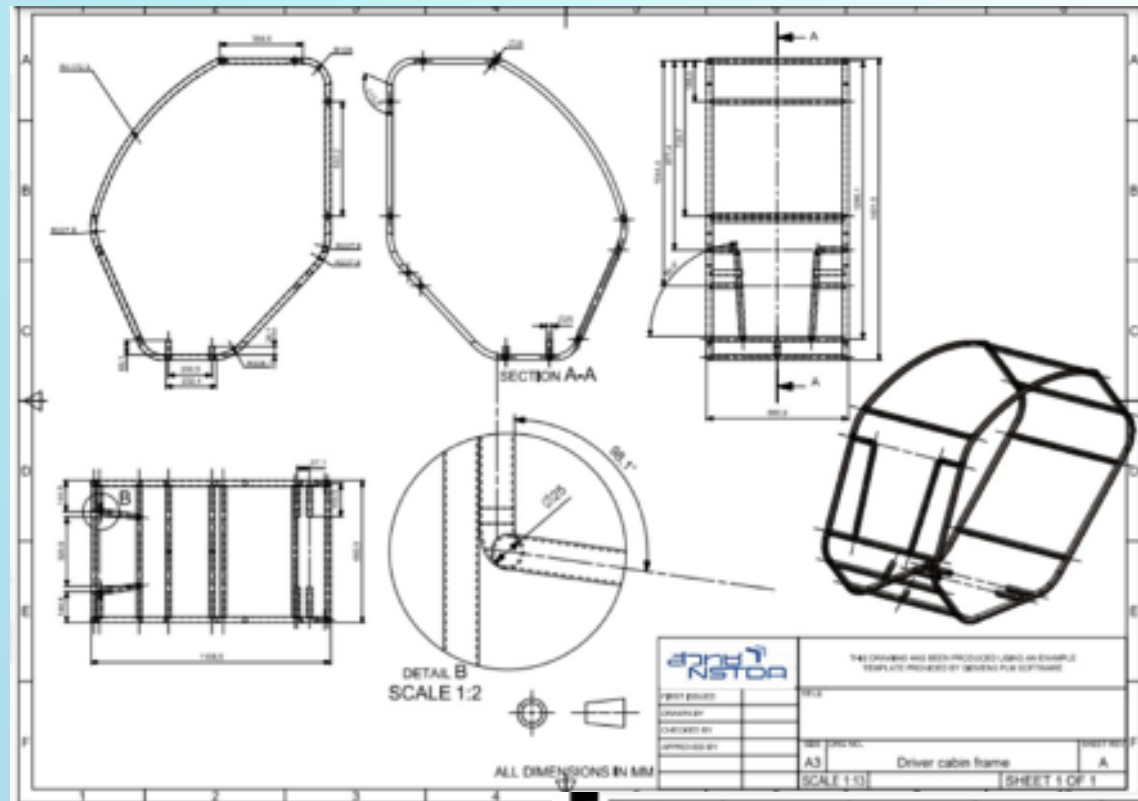


Platform for data, business model, and commercialization

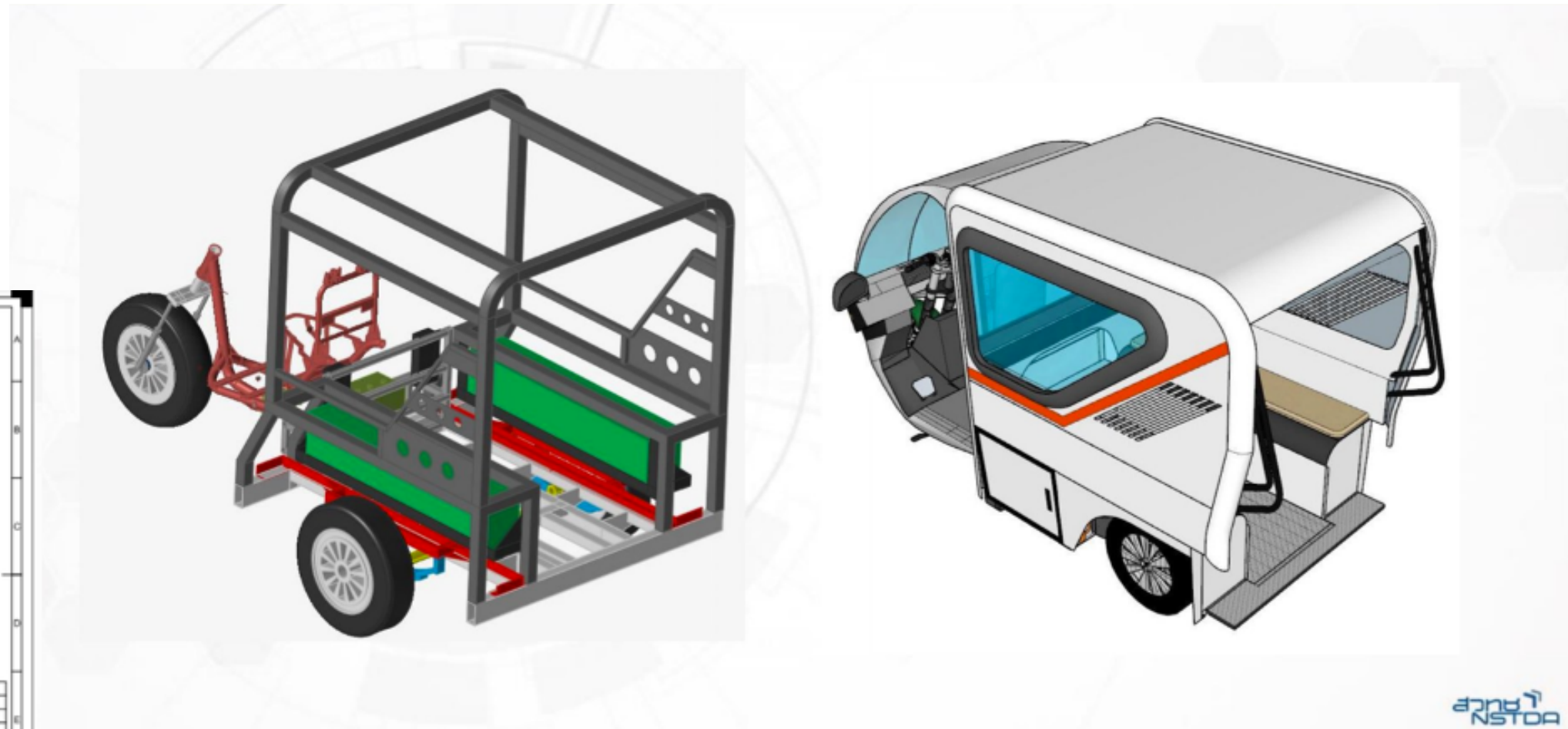
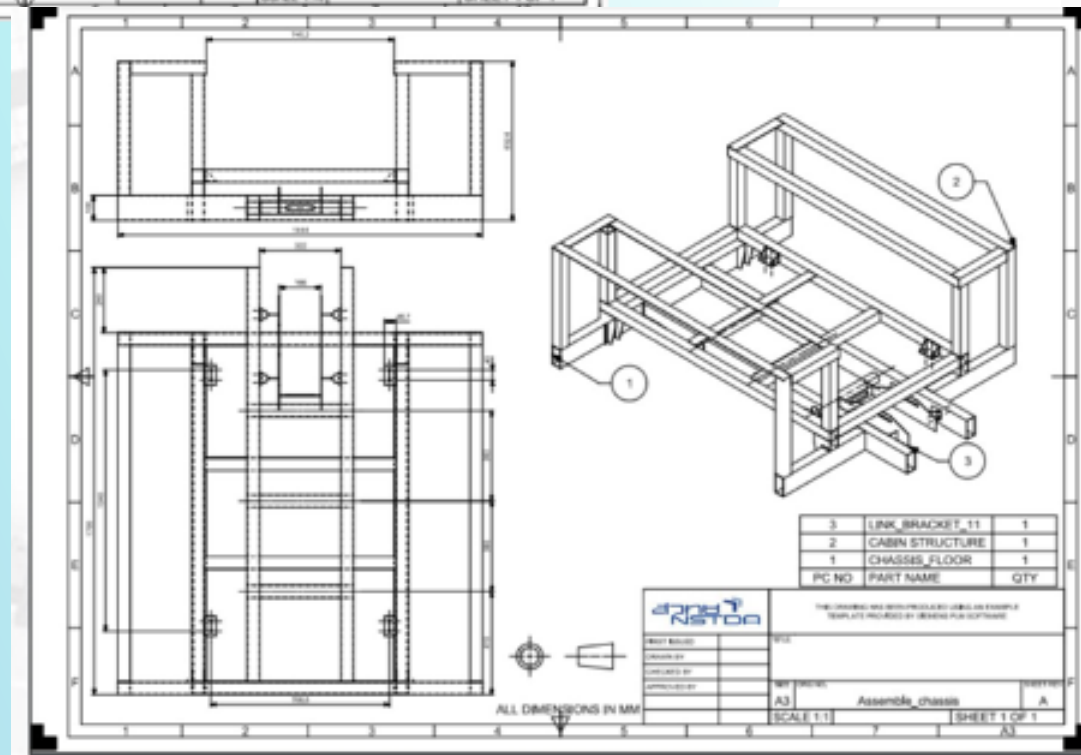


HARDWARE PROGRESS

The ETC and NSTDA enhanced the design, reducing body weight and improving electric system efficiency. The local "Sky-lab" gasoline-powered three-wheelers in Udon Thani were adapted to boost local acceptance, social awareness, and engagement with potential partners and stakeholders



Detailed Design
Outfits of E3W by
NSTDA and ETC

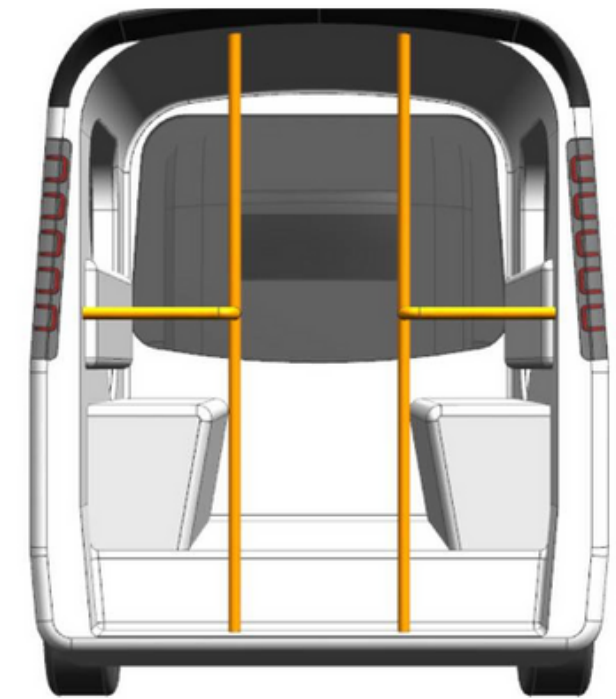
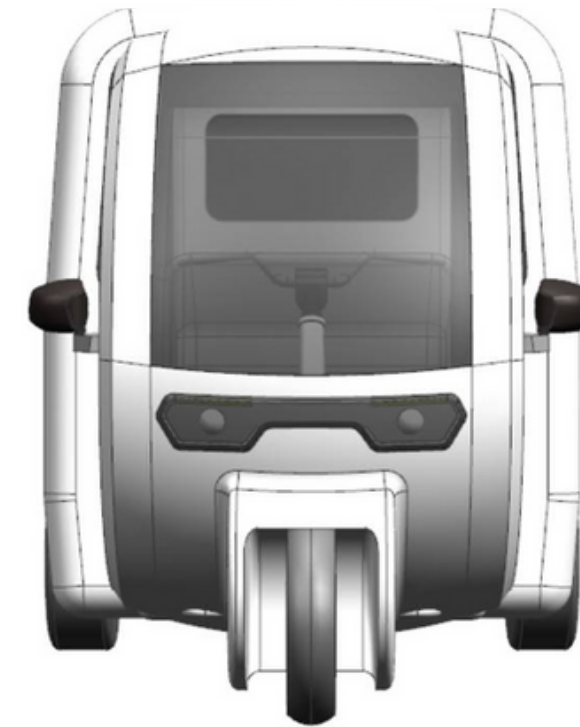
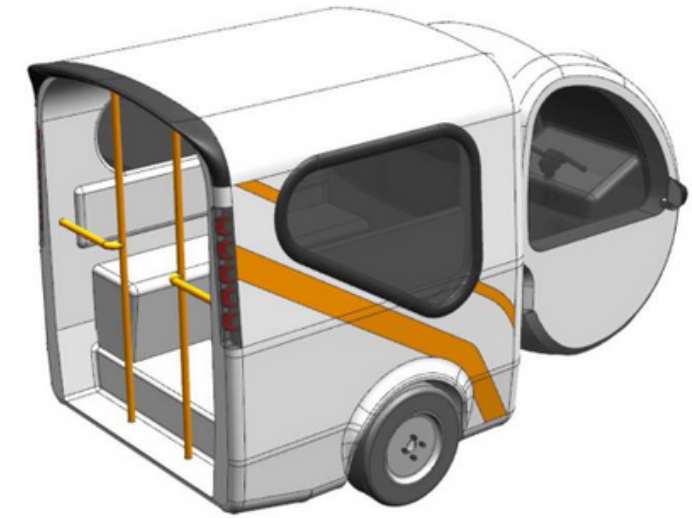




LOCA
GET AROUND LIKE A LOCAL

HARDWARE PROGRESS

From design to prototype and testing



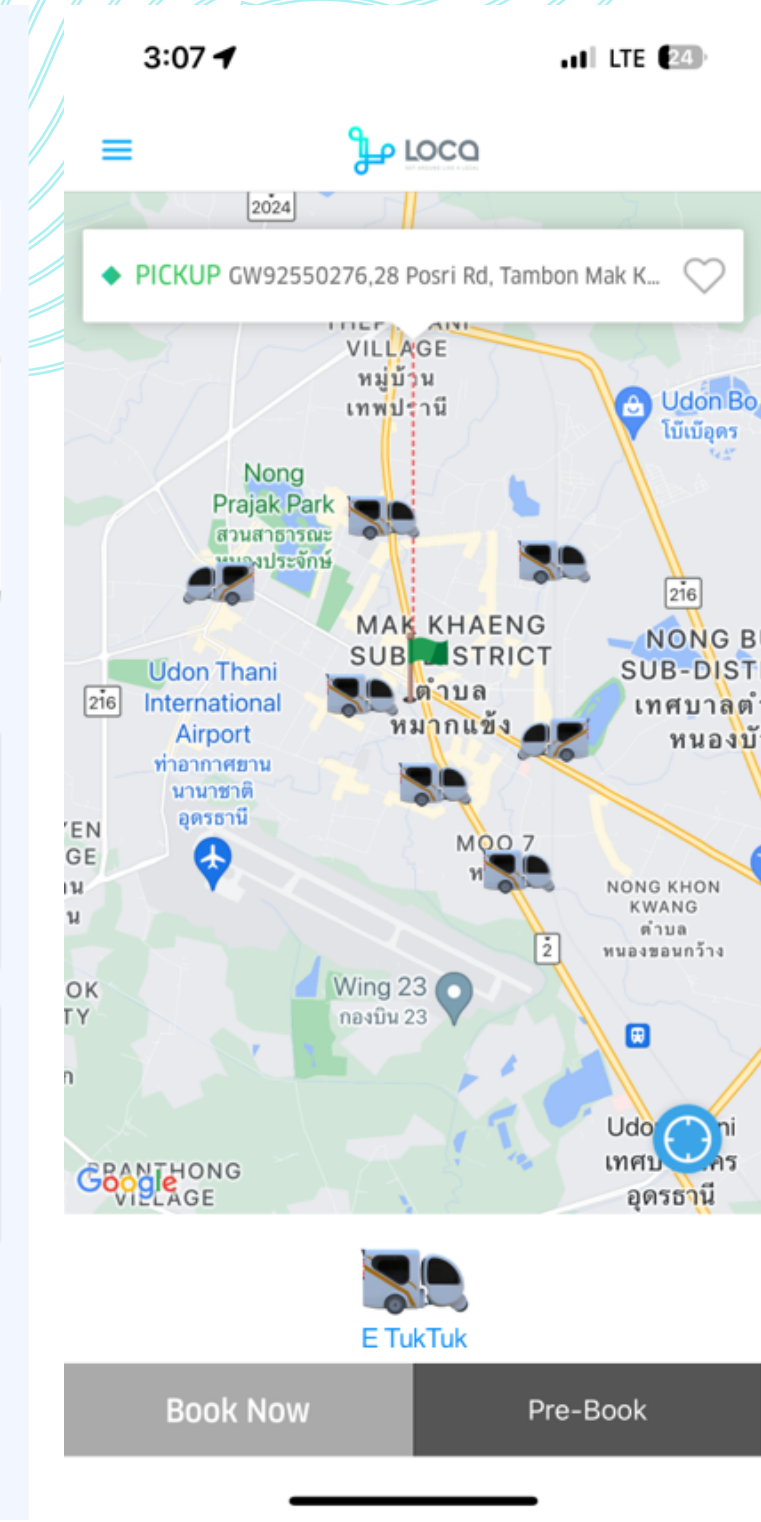
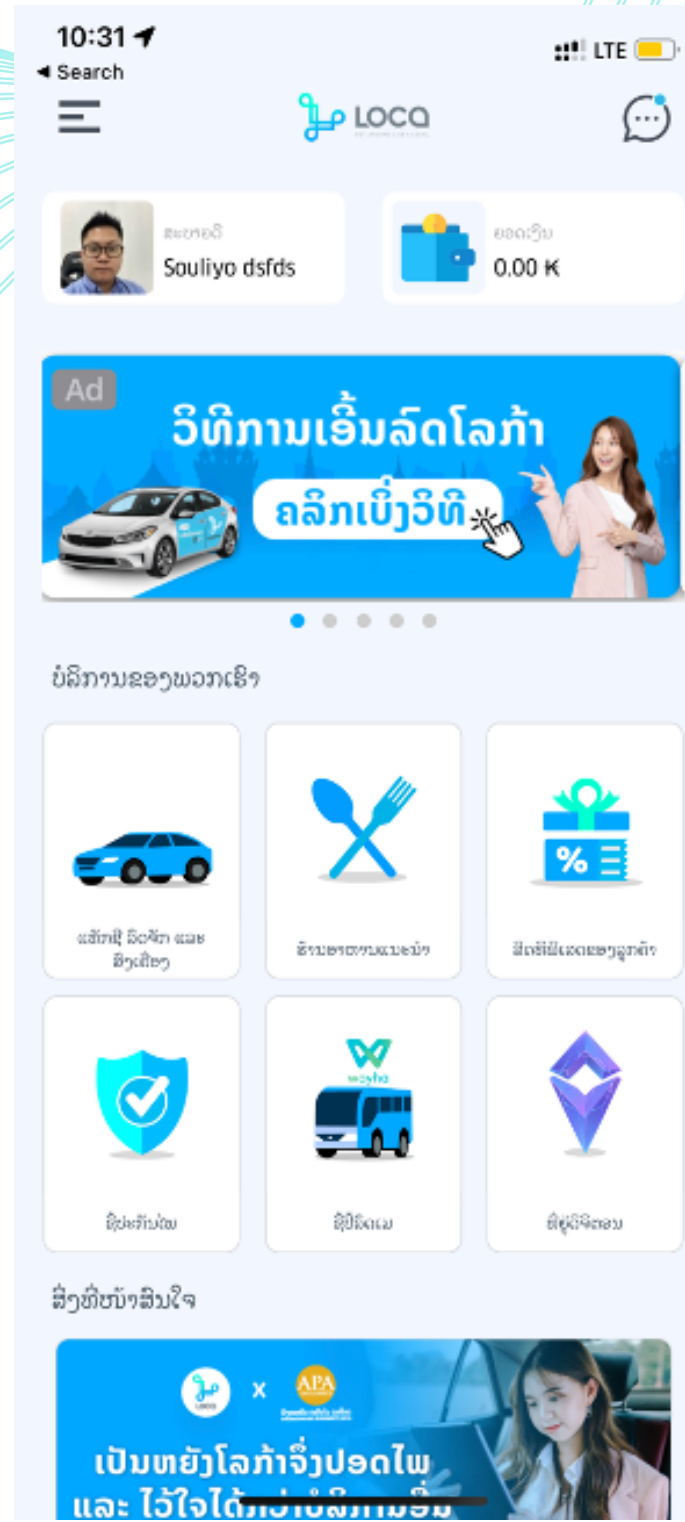
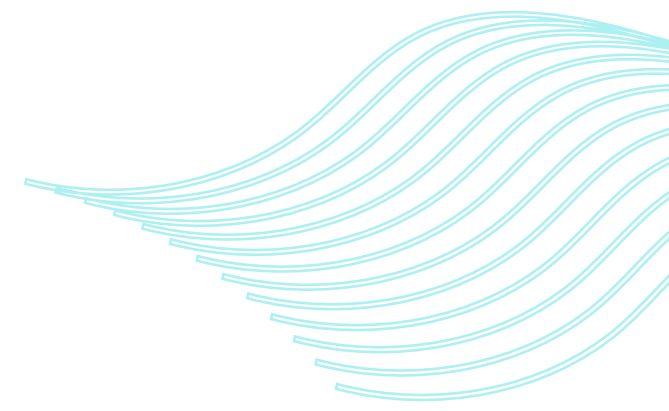


LOCA
GET AROUND LIKE A LOCAL

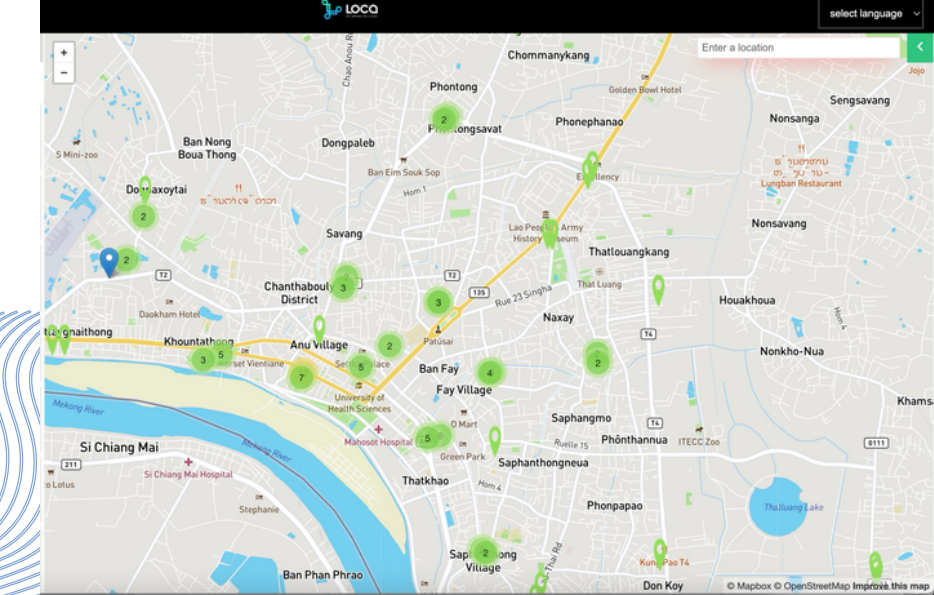
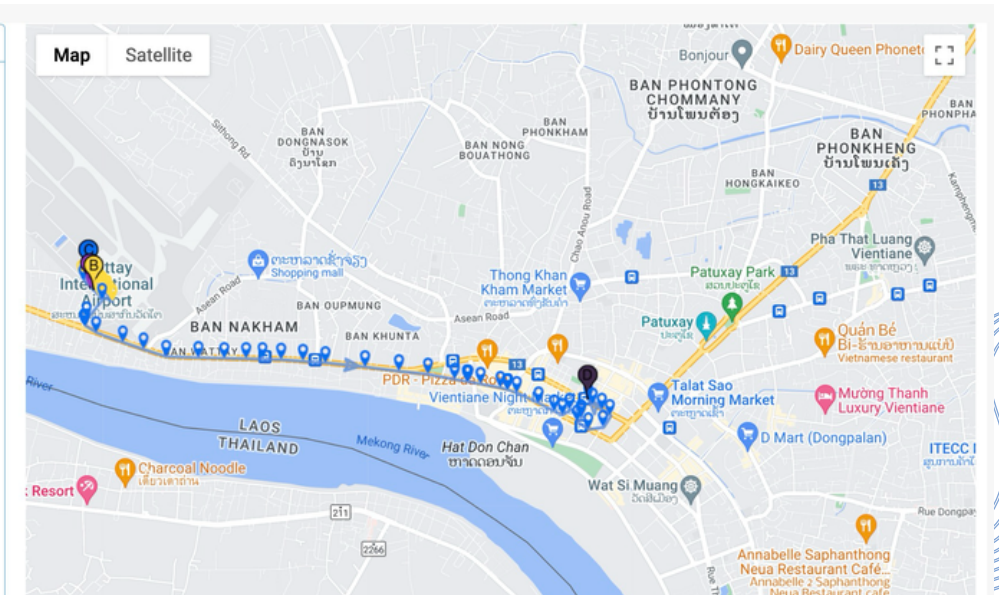
SOFTWARE PROGRESS

LOCA will develop and extend the region of operation into Udon Thani. The drivers of 3 wheels tuktuk will be provide service via LOCA platform.

LOCA platform is not just a ride-hailing but also serve as a service meter collect GPS data from drivers and calculating fee



BOOKING DETAILS	
BOOKING DETAILS	
Booking Id	: 3061096664391
Business Type	: Ride
Booking Type	: Now
Booking Placed On	: Oct 07, 2023, 02:39 PM
Pickup Address	: RG95516235, Wattay International Airport, ຖ່າວາກາສາຂານນານາຊາດີ ວຸດຮາຊານີ
Drop Address	: RG93976949 , Lao Plaza Hotel, Vientiane, Rue Samsenthai, ວຽງຈັນ ຈຳປາສັກ
Driver Preferences Requested	: Any
Seats Requested	: 0
Vehicle Type Requested	: ECO
Special Booking Algorithm	:
PAYMENT DETAILS	
Card	: K 91802.77
ESTIMATE DETAILS	
Estimate Id	: 65210b0cae189e6d4ace0d94
Estimated Amount	: K 78421.36
Estimated Breakdown	



OUR NEXT STEP

1

Running prototype

September - November 2023



2

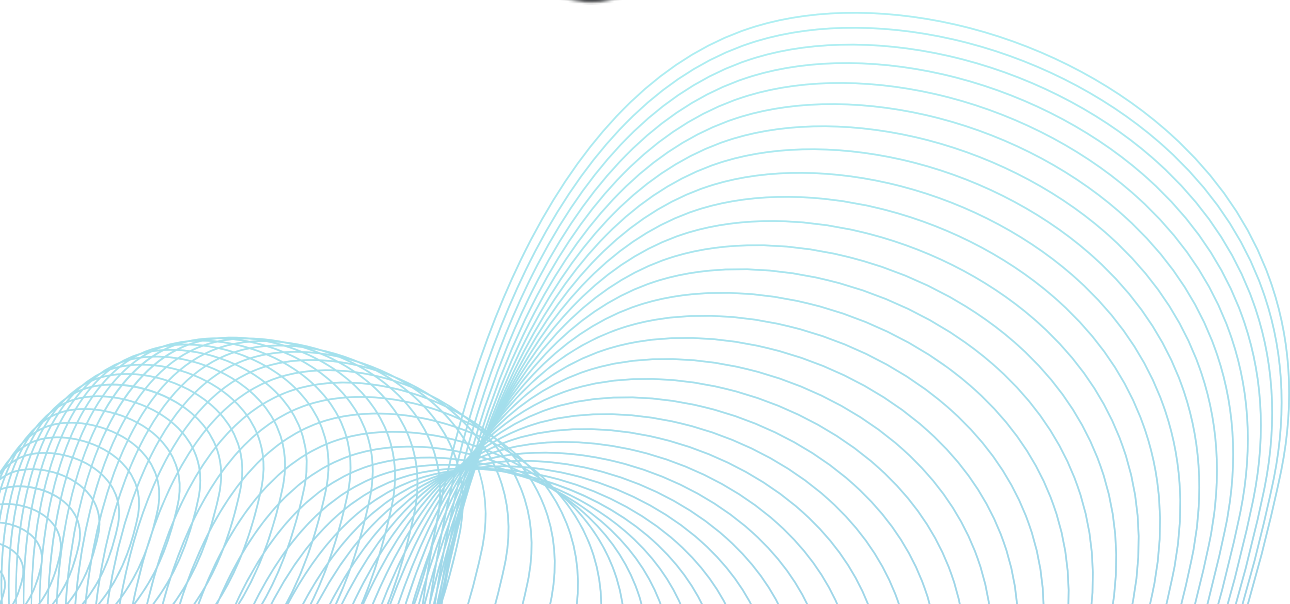
Pilot Running on Platform

October - December 2023

3

Data & Result

December 2023



THANK YOU

