MICRO TRANSIT INDONESIA

Investment Opportunity

BANDUNG GRID-BASED MICRO TRANSIT SYSTEM

Brief Profile

PT Micro Transit Indonesia is a company focusing on solving traffic problems in Indonesian cities. Its strength is built on scientific knowledge and technological innovations, harnessing multi-disciplinary expertise in sociotechnical analysis and modelling. It seeks to develop systems and products for urban transit that will improve the quality of cities and urban environments, and to support the livelihood of Indonesian people.

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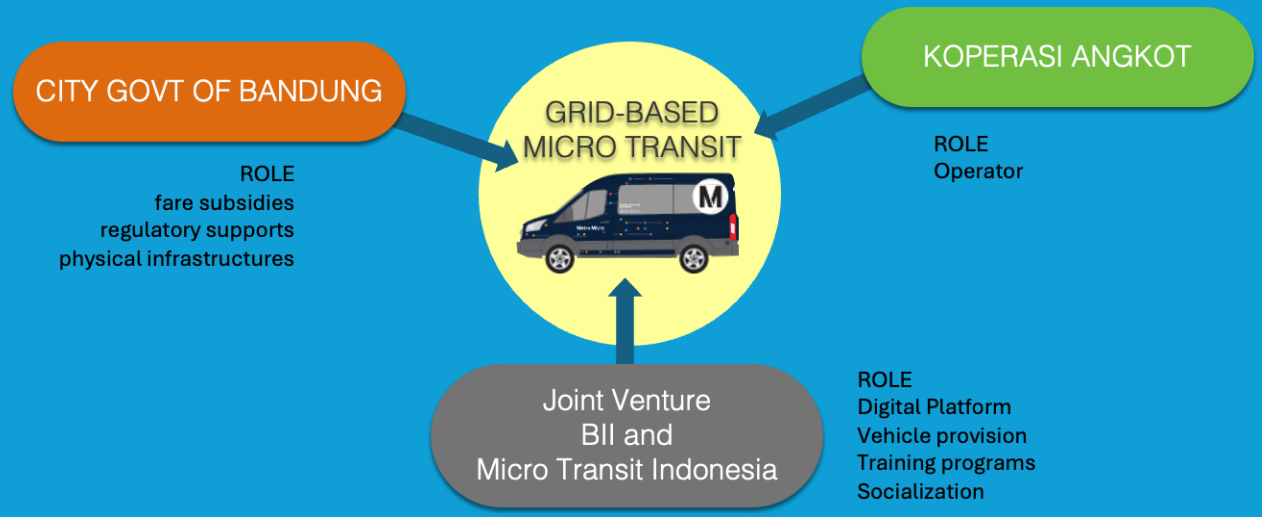
Institutional Cooperation

The entire GMT system is operated in cooperation between three stakeholders each with different contributions as follows. As a note this is a a program fully funded by government.



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Executive Summary

Indonesia has a plenty of mid-sized cities that are facing a growing number of urban problems. The most critical is an endemic of traffic congestion due to a lack of decent and affordable public transportation leads. It has caused a loss of trillion rupiahs every year to many cities one of which is Bandung.

Our project proposes a new concept of public transportation called Grid-Based Micro Transit (GMT). It aims to revolutionize the use of micro transit fleet (angkutan kota) by adopting a grid-based approach where the fleet moves in flexible routes. It applies advanced digital technology to solve the main problems in existing public transportation, namely cost and comfort. With on-demand services coupled with a modification of the vehicle, this system enhances the quality and efficiency of micro transit fleet to serve the users while making social and environmental impact for the city's betterment.

To implement this project, we are offering investment opportunities for interested parties to participate. The project has a great potential in revenue while seeking to make positive impact on urban life in Indonesia. It is initiated by a core team that includes competent professionals in the field of urban policy and infrastructures.

The problem to solve

Like many other cities in Indonesia, Bandung is suffering from a severe problem of traffic congestion. According to Tom Tom Traffic Index (2024), Bandung is the most congested city in Southeast Asia. In the same year, Bandung records a total loss of 12 trillion rupiah due to the chronic congestion (Kemenhub, 2024).

With an APBD budget of around 7 trillion a year, Bandung has no financial capacity to build and operate rail-based transportation. Bus Rapid Transit is feasible to implement but it needs to scale-down to adjust to narrow city roads. Online taxis and ojeks are available but technically only add more vehicles on the road rather than helping to alleviate the congestion.

One option left is angkot, which is rapidly declining due to poor quality. Our GMT is designed to revitalize angkot as a micro transit systems able to provide efficient and convenient transportation service that will attract a majority of commuters in Bandung.

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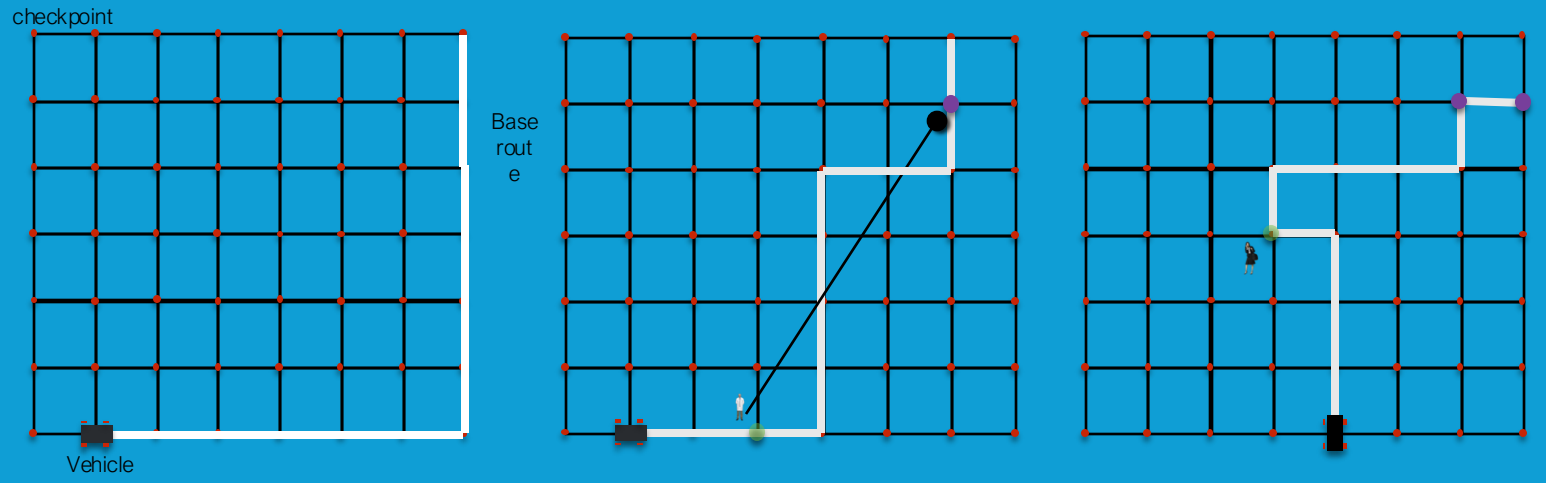
The Model

Currently, there are two modes in transportation system: one is route-based (e.g. bus, angkot, etc.), the other is point-to-point (e.g. taxi). We have developed an innovative concept of micro transit with a new mode called grid-based. It is a compromise between route-based and point-to-point, offering the advantages of both modes.

ROUTE-BASED
Cheap but long trip
Cover limited area

GRID-BASED MICRO TRANSIT
Affordable
Cover larger area of service

POINT-TO-POINT
Short trip but costly
Add to car population



The GMT system is on-demand where the route for every transportation unit is flexible. Every time a ride is requested, the route changes. It is generated by an algorithm to respond to service demands. The passenger and the drive will meet in a checkpoint, which is assigned by the digital platform. Passengers can request a service at any point in the city and will be informed of the nearest checkpoint to be picked up by the assigned driver.

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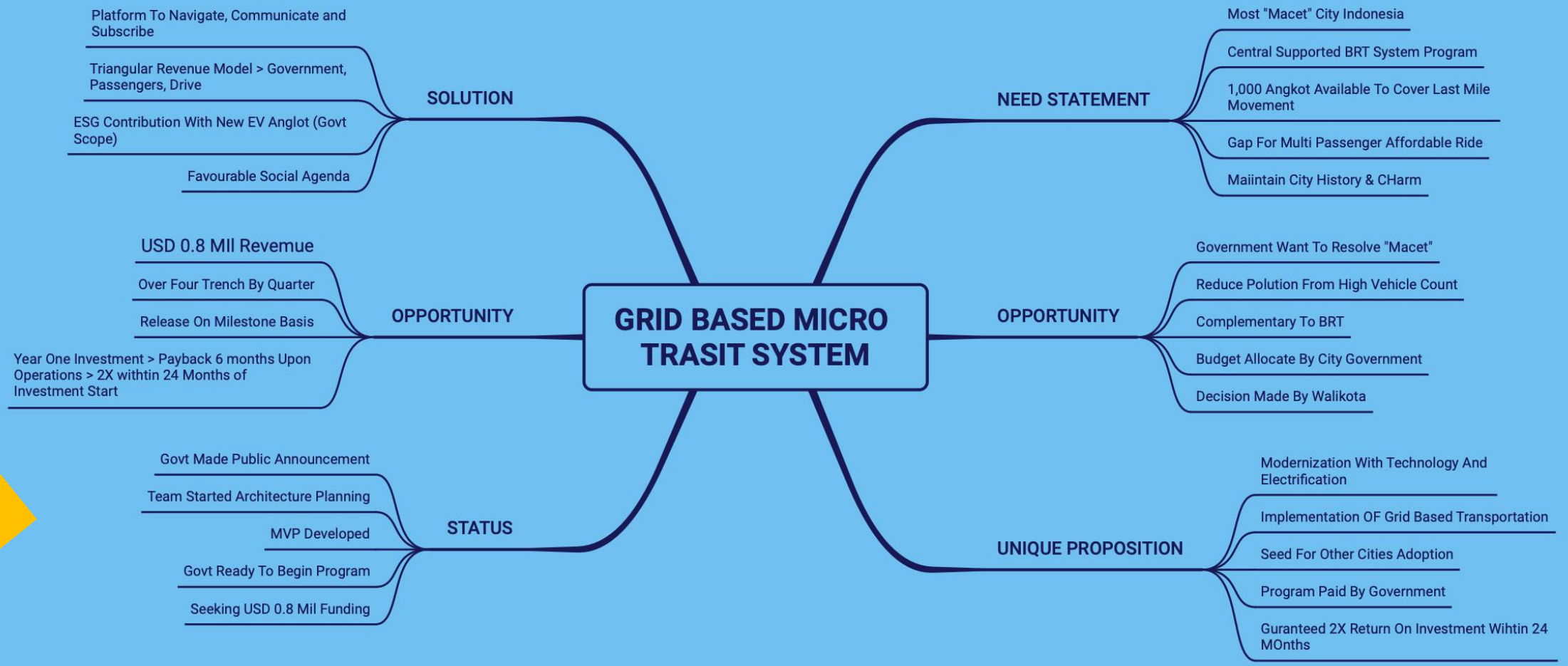

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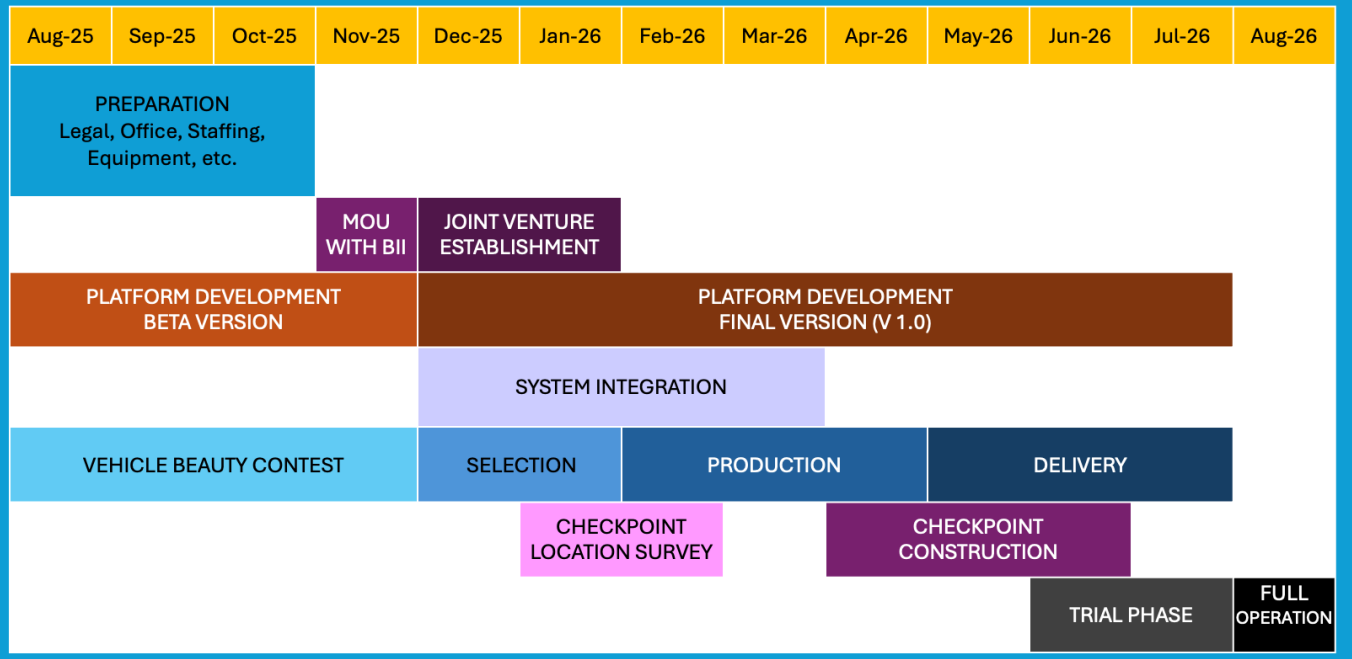
	Aug 25	Sep 25	Oct 25	Nov 25	Dec 25	Jan 26	Feb 26	Mar 26	Apr 26	May 26	Jun 26	Jul 26	Sub-total
Technology Team	205	205	205	205	205	205	205	205	205	205	205	205	2,460
Policy Team	156	156	156	156	156	156	156	156	156	156	156	156	1,872
Admin support	12	12	12	12	12	12	12	12	12	12	12	12	240
Digital Equipment	200	200	100										500
Traffic Data and Cloud	100	100	100	100	100	100	100	100	100	100	100	100	1,200
Business Trips & Meals	55	55	55	55	55	55	55	55	55	55	55	55	660
System Prototype					300	200		348					848
IP Application			200	160									360
Feasibility Study	75	75	75	75									300
Management Support	70	70	70	70	70	70	70	70	70	70	70	70	840
Office Rent & Supplies	60	60	60	60	60	60	60	60	60	60	60	60	720
			Term 1: **2,899**			Term 2: **2,709**			Term 3: **2,322**			Term 4: **2,070**	Total
													10,000

All numbers are in IDR million

Fund Utilization

- USD 150,000 every quarter for 4 quarters, released based on milestones,
- Investment 2X recoup fully in 24 months
- A fully funded program by the Bandung Government

Milestones



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Freddy Tantri, PhD is a system scientist and digital simulation expert. He completed a PhD degree is sustainability science at Nanyang Technological University.

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