



Monakol







OVERVIEW

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Revolutionizing Public Transportation:

Transforming Traditional Buses with new Technology and user-friendly application



Customer

- Flexibility
- **Cost-effectiveness**
- **Scalability**
- **Accessibility**

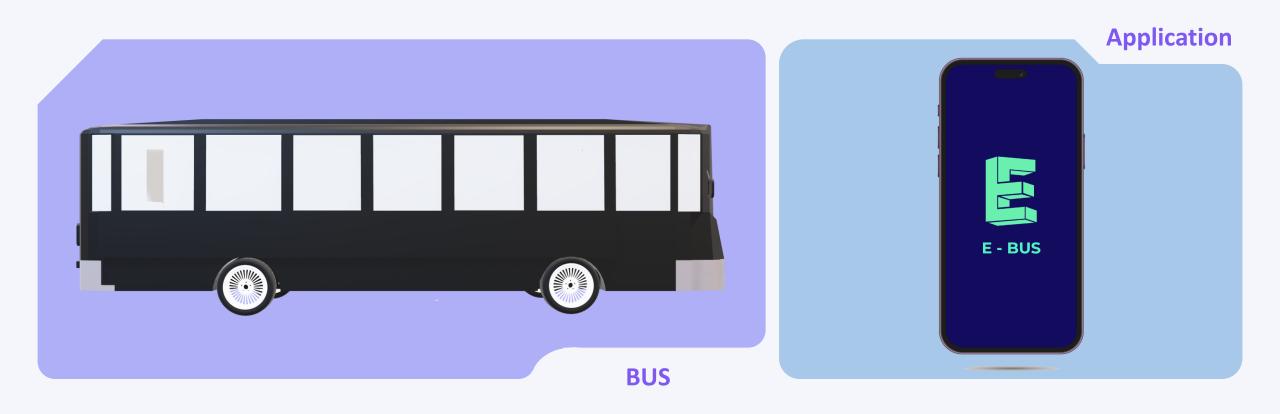


COVID-19

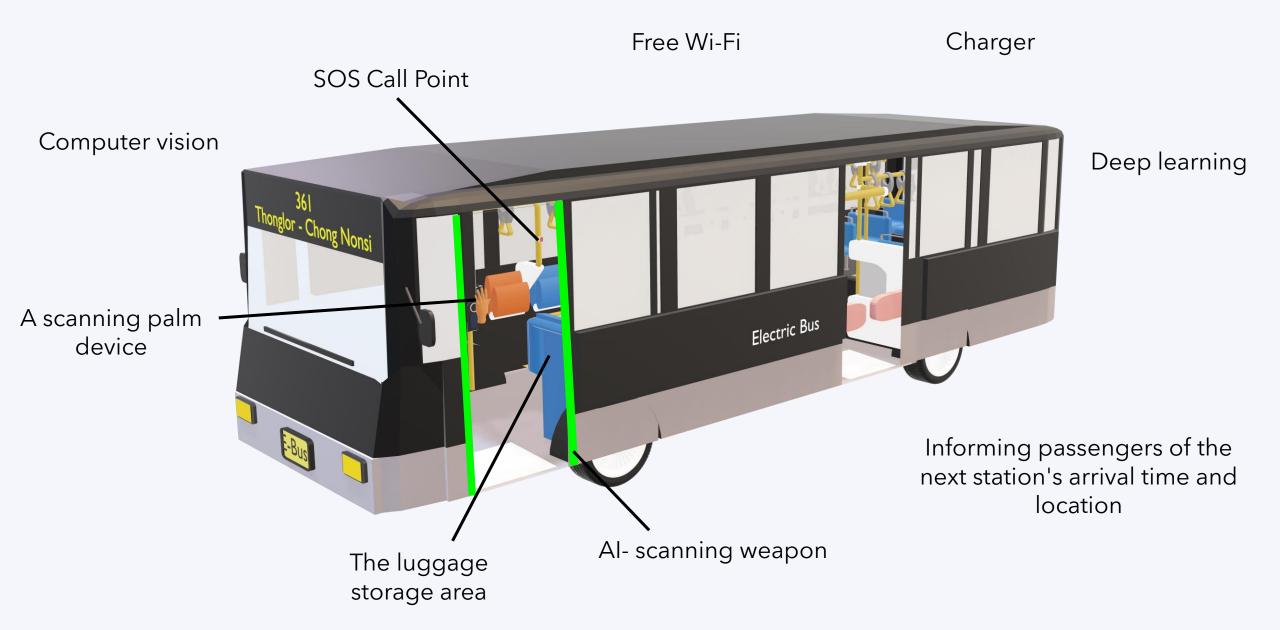


Solution Cashless bus payment system with palm pay and **QR** codes

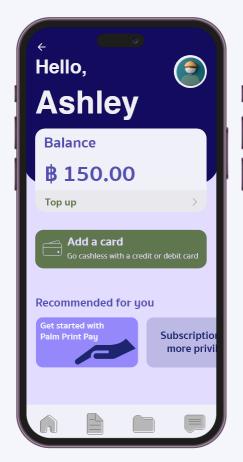
PRODUCT AND SERVICES



BUS'S FEATURES

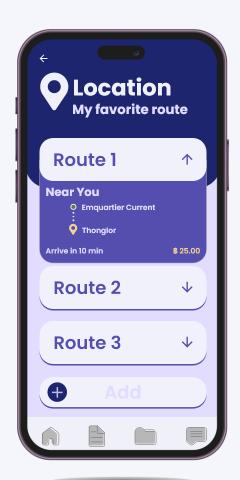


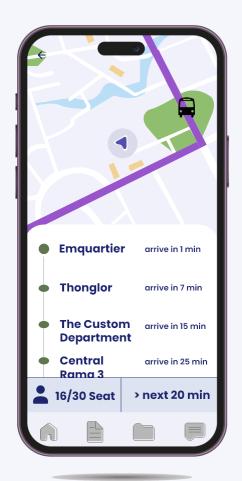
APPLICATION'S FEATURES











Payment / QR-Code

The nearest bus for the best path and arrival time

Show route and price

Show number of available seat

TARGET



Student

13 - 22 years old

- Go to school
- Go to take picture: café, park, museum

Office worker

23 - 55 years old

- Want to save money
- Don't have driving license or car

Tourists / Foreigner

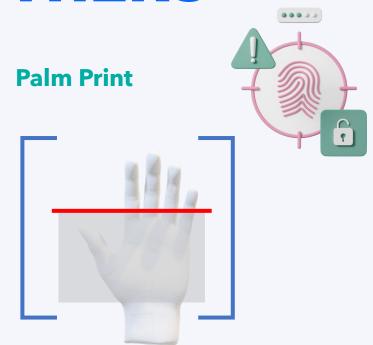
25 - 54 years old

Travel in Thailand

Advertisers

- Companies and Fanclub
- Advertising Company, Company, Fanclub/Fanbase

OTHERS

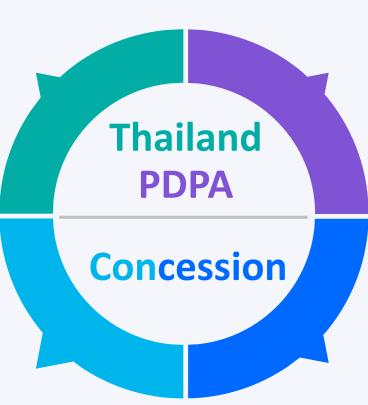


Consent to provide personal information

GPS

Our application service has a **detailed description** of every bus.





QR-Code



Do not consent to personal information

ROUTE

there must be an **auction** of bus routes that respond to more users than the existing companies that exist today.





COMPETITORS

COMPETITORS

		Customer relationship	Bus tracking	Security	Convenient	Pay through the application	Calculate travel time
	E-Bus	✓	△	▼	▼	✓	✓
	TSB Go	▼	X	×	×	×	×
	ViaBus	▼	✓	×	▼	×	✓
©	Moovit	✓	▼	×	×	×	X
R	Rumbo	✓	▼	×	×	×	×
NEX	NexPoint	Y	×	×	×	×	×

COMPETITORS



Scope of the route

- E -bus: all provinces in Thailand
- TSB: Bangkok
 Metropolitan Region

Innovative focus

- E-bus: palm scanning and QR codes
- TSB: Focuses on holistic transformation



Main focus

- **E-bus**: Bus specialized
- ViaBus: various public transportation modes beyond buses

Challenge

- **E** -bus: quicker coordination
- ViaBus: delays and potential limitations



Flexibility

- **E -bus**: provides luggage space
- Nexpoint: have luggage space on some specific EV bus

Security

- **E-bus**: Al weapon-scanning technology
- Nexpoint: -



Vehicle Type

- **E -bus**: 100% electric power
- BMTA: traditional fuelpowered

Seat Comfort and Availability

- **E -bus**: well-designed and can check available seats
- **BMTA**: Seat designs based on the age and type of bus





FIVE FORCE MODEL

New Entrants Determinants

Barriers to Entry:

- Economics of Scale: High Achieving economies of scale in the public transportation sector requires substantial investment and operational capacity, acting as a significant barrier for new entrants.
- Product Differentiation: Moderate Differentiating a new transportation service significantly can be a challenge, but innovation can allow for some level of differentiation.
- · Brand Identification: High
- Switching Costs: Moderate
 There are moderate switching costs associated with changing from an existing transportation provider to a new one, particularly if the new service offers superior benefits.
- · Access to Distribution Channels: High
- · Capital Requirements: High

Suppliers

- Access to Latest Technology: High Access to cuttingedge technology, especially in terms of electric buses and advanced payment systems, is a critical barrier for new entrants.
- Experience & Learning Effects: Moderate

Government Action:

- · Industry Protection: High
- Industry Regulation: Moderate Asset specialization could be high, making it challenging to exit without losses or complications.
- Consistency of Policies: High Consistent policies provide a level playing field for both existing players and new entrants, reducing entry barriers.
- · Capital Movements Among Countries: Low
- · Customs Duties: Low
- · Foreign Exchange: Low
- Foreign Ownership: Low Restrictions on foreign ownership might slightly hinder new entrants but may not be a major barrier.
- Assistance Provided to Competitors: Low Government assistance to competitors might not significantly impact the threat of new entrants.

New Entrants

Threat of New Entrants

Industry

Competitors



Intensity

of Rivalry

Determinants of Supplier Power

- Number of Important Suppliers: Moderate The public transportation industry likely has a relatively low number of important suppliers, given the specialized nature of the industry.
- Availability of Substitutes for the Supplier's Products: Low to Moderate Depending on the specific products or components required for public transportation (e.g., electric bus components), there might be moderate availability of substitutes, but not readily interchangeable.
- Differentiation or Switching Cost of Supplier's Products: Low to Moderate Differentiation or switching costs of supplier products might vary based on the specific components. Some components might have low switching costs, while others could be more specialized.
- Supplier's Threat of Forward Integration: Low Suppliers in the public transportation industry typically have a low threat of forward integration into the transportation service sector.
- Industry Threat of Backward Integration: Low The industry typically has a low threat of backward integration into the suppliers' operations.
- Supplier's Contribution to Quality or Service of the Industry Products: Moderate Suppliers often play a moderate role in contributing to the quality or service of the industry's products or services.

 Total Industry Cost Contributed by Suppliers: Moderate Suppliers likely contribute a moderate portion of the industry's total costs, considering the need for specialized components and technology.

Bargaining Power of Suppliers

Importance of the Industry to Supplier's Profit: Low to Moderate While the
industry may contribute to the supplier's profit, it might not be a dominant contributor,
especially if the supplier serves multiple industries.

Threat of Substitutes

Determinants of Substitution Threat

- Availability of Close Substitutes: High There are various alternatives to public transportation such as taxis, ride-sharing services, personal vehicles, and even walking, providing readily available substitutes.
- User's Switching Costs: Low to Moderate Switching costs for users are relatively low, especially for short distances. However, for long-term or regular usage, there might be moderate switching costs associated with getting accustomed to a new mode of transportation.
- Substitute Producer's Profitability and Aggressiveness: High Substitute producers (e.g., ride-sharing companies) often operate aggressively, offering competitive pricing and attractive deals, showcasing a high level of profitability and aggressiveness in the market.
- Substitute Price-Value: High Substitutes like ride-sharing services often offer competitive pricing and value for money, presenting a high price-value proposition to customers.

Substitutes

Rivalry Determinants

• Concentration & Balance Among Competitors:

Moderate The industry likely has a moderate concentration of competitors with some level of balance.

- Industry Growth: High The industry is experiencing significant growth, attracting more players and increasing competition.
- Fixed (or Storage) Costs: High Fixed costs are likely high in the public transportation industry due to the need for vehicles and infrastructure.
- · Product Differentiation: High
- · Intermittent Capacity Increasing: Moderate
- · Switching Costs: Low

 Corporate Strategic Stakes: High Companies likely have significant stakes in the industry, driving intense competition and strategic maneuvering.

Barriers to Exit:

- Asset Specialization: High Asset specialization could be high, making it challenging to exit without losses or complications.
- One-Time Cost of Exit: High The one-time cost of exit is likely high, representing a substantial barrier.
- Strategic Interrelationships with Other Businesses: Moderate
 Strategic interrelationships could exist but might not pose an extreme barrier
 to exit.
- · Emotional Barriers: Low
- Government & Social Restrictions: High Regulatory and social factors might create significant barriers to exit, indicating a high level of innact

Bargaining Power of Buyers

Buyers

Determinants of Buyer Power

- Number of Important Buyers: High (for bus service customers), Low (for advertiser customers) High for bus service customers due to the significant number of individuals relying on public transportation. Advertiser customers are typically lower in number and might not individually exert significant power.
- Availability of Substitutes for the Industry Products: High There are various substitutes available, including other modes of transportation and alternative advertising platforms.
- Buyer's Switching Costs: Low (for bus service customers), Moderate (for advertiser customers) Bus service customers usually have low switching costs. Advertisers might have moderate switching costs due to the effort involved in shifting to different advertising platforms.
- Buyer's Threat of Forward Integration: Low Buyers, especially individual bus service users, are unlikely to threaten forward integration into the public transportation industry.

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- Total Buyer's Cost Contributed by the Industry: High (for bus service customers), Low to Moderate (for advertiser customers) Bus service customers contribute significantly to their total costs by using the service frequently. Advertiser customers contribute but may have lower overall costs compared to the bus service customers.
- Buyer's Profitability: Low (for bus service customers), High (for advertiser customers)

Bus service customers are generally cost-sensitive, impacting their profitability. Advertiser customers, if successful, can achieve high profitability through effective advertising campaigns.

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E - BUS

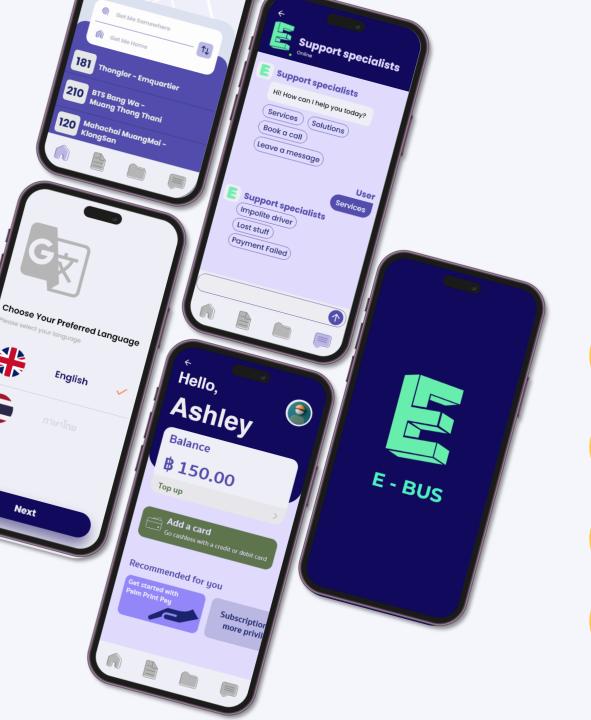


STRATEGIC PLANNING

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Vision: "To lead in technological innovations that deliver comfortable, secure, and environmentally friendly bus travel experiences accessible to all."





Short-term goals: 1 year

Enhancing software application - continuous improvement through user feedback-driven updates.



Develop the application to offer Thai, English, and Chinese options, catering to both local and **international passengers for understanding** of how it works.



User Experience Researcher needs to **collect the feedback** from users to gather insights and provide recommendations for **enhancing user experience.**



The UX/UI designer creates **easy-to-use** interfaces that are accessible to everyone and **designs prototypes for new features and improvements.**



A software developer will collaborate with the UX/UI team to implement new features by coding and testing the system.

Mission 3

Short-term goals: 1 year

Promote environmental sustainability through our business.



Launch a **campaign** to raise awareness about **eco-friendly practices** among passengers, encouraging them to choose sustainable travel options.



Accept **advertising** services for exclusively, **ecoconscious companies** aligning with our sustainability focus.



Create brand recognition and awareness.



Develop a **strong online platform**, including a professional website that effectively conveys our **brand's identity** and our expertise in our field.



Produce **high-quality content** that aligns with people's interests and concerns. This will primarily focus on topics related to **business**, **applications**, **and eco-sustainability**.



Medium-term goals: 2 - 4 year

Innovate and evolve our electric bus design by creating a second version that has more capabilities than the first model.



Use **Pricing Strategist** to analyze operational expenses and determine the **optimal pricing planning.**



Research Plan: Implementation of **Waste-Derived Materials** in Bus Assembly.



Use **Market Research Analyst** to gather data on customer needs, **willingness to pay**, and location.



Creating advanced features and functionalities that address customer problems following feedback.



Use Design Engineers to develop prototypes and testing procedures. This will collaborate with the design engineer on their design concept.

Medium-term goals: 2 - 4 year

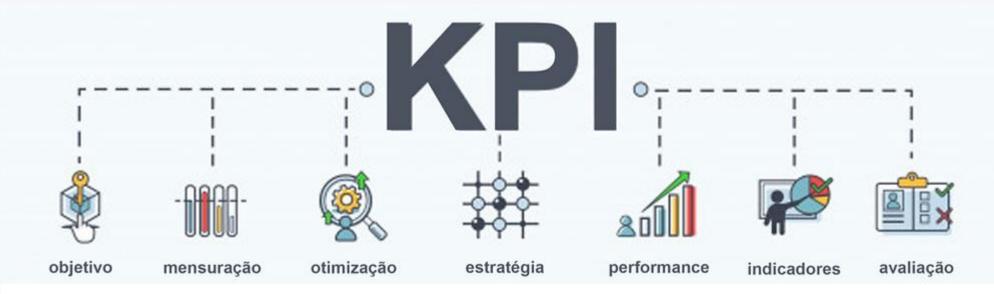
Measure the reduction in reliance on fuels and the overall environment impact.



Use data analysts to continuously **measure progress to be the standard** for measuring reduction in reliance on fuels in Thailand.



Use sustainability managers to **monitor key performance indicators (KPIs)** related to the clean-energy and ecosystem's goals.



Medium-term goals: 2 - 4 year

Develop palm print to be able to connect with other transportation.



Use system Integrators to integrate the palm print system with various transportation services.



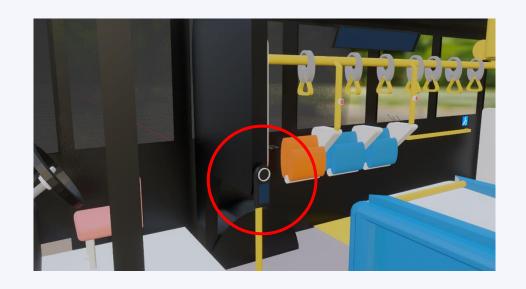
Use Quality Assurance (QA) Engineers to **conduct thorough testing**.



Keep an eye on emerging technologies in biometrics and transportation, and be prepared to adapt and evolve the system to incorporate innovations that enhance its functionality and security.



Collaborate with government transportation authorities to gain necessary approvals and support.



Medium-term goals: 2 - 4 year

Expand our market reach by attracting and engaging new customers and consumers while nurturing and retaining the loyalty of our existing customer base.



Use consultants to supplement the skills of marketing in campaigning the use of our bus.



A marketing team needs to create **campaigns to represent the unique features** of our tracking service and **promote the benefits of using our service** rather than the competitor's service.



Use **connections with partners** to gather information to **improve and develop the customer base**.



Doing the **collaboration with C.P.** company to have a campaign for **giving back service promotion to customers**.



In order to increase the partner base, our company and new partners will cross-promote one other's services/products.

Long-term goals: 5 year and up

Driving new technological innovation (Non-Stop Improving)



Incorporating Smart City Connectivity: Partnering with smart city initiatives, we integrate real-time traffic light data. This integration seamlessly extends driver-side applications to know the road information.



Design a **new system for enrollment** that uses palm print recognition, accessible **via mobile devices**.



Long-term goals: 5 year and up

Driving new technological innovation (Non-Stop Improving)



Showing potential in carbon credit management in our company.



Building connections with EV Companies who sign Letter of Authorization (LoA).



Demonstrate a commitment to supporting the government's goals of reducing greenhouse gas emissions.



Build trust and credibility with project stakeholders and government agencies by demonstrating transparency.



Engage with government officials and stakeholders to discuss how your project aligns with their objectives.



Becoming the top electric bus company in Thailand in order to be chosen as part of the project in the future.

Long-term goals: 5 year and up

Enhance accessibility of our community by introducing a new bus route that connects key destinations, and provides safe, reliable, and inclusive transportation options for all residents and visitors.



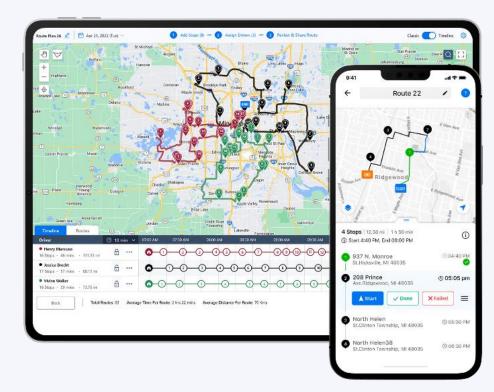
Use a **Regulatory Compliance Officer** to work closely with transportation authorities and local government agencies to **secure funding and resources for accessibility improvements**.



Establish a **centralized data analytics team to monitor** route performance, ridership trends, and passenger feedback.



Comprehensive Route Planning and Analysis: Conduct a thorough market analysis to understand passenger demand, demographics, and travel patterns.







COMPETITIVE STRATEGY

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Competitive Advantage

Lower Cost

Differentiation

Broad Target

Competitive Scope

Narrow Target Bro

Cost Leadership

Differentiation

Cost Focus

Differentiation Focus

Differentiation Focus

Why Differentiation?

New Technology and Innovation

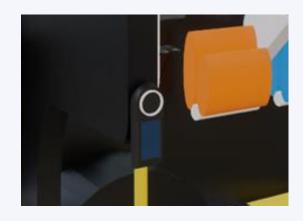
- Palmprint scanners
- weapon scanners

Innovative Bus Features

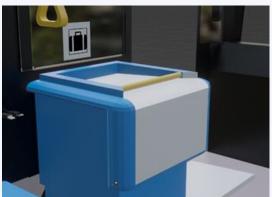
- Charger ports
- Free Wi-fi
- Luggage Storage

Advanced Application Features

- A real-time display
- of available seats
- Chat for feedback
- Notification









Differentiation Focus

Why Differentiation?

Enhanced Convenience

We can <u>facilitate more</u>

<u>convenience</u> for

customers than the

competitor's companies.

High Cost, High Innovation

Standing out in terms of value and innovation to deliver a great travel experience.

Environmental Stewardship

Stand in the industry as a company <u>dedicated</u>
to environmental
sustainability.

Differentiation Focus

Why Focus?

Niche Customer Segment

Focus on individuals with high-income levels: students, working, and foreigners

Area and Route Focus

We primarily target

<u>urban areas</u> within each

province

Environmental Consciousness

Focus on <u>environmentally</u>

<u>friendly companies</u> that are going to be our <u>partners</u>.





VALUE CHAIN

E-Bus Value Chain Analysis

Firm Infrastructure A strong organizational structure SUPPORT ACTIVITIES Human Resource Management Recruitment, Training, Employee Benefits Technology Development Research and Development, Application Development Supplier Relationships, Cost Negotiation Procurement Inbound **Operations Outbound Marketing and Service** logistics logistics sales

Sourcing advanced EV parts from reliable suppliers to ensure that we have the necessary components

- Vehicle Assembly
- Quality control checks
- Ffficient fleet management
- Application development

- Maintenance and Repairs
- Passenger Comfort
- Real-time Information
- Charging Station
- Digital Marketing: - Advertising
- campaigns
- Website Marketing
- Advertisement

- Customer Service
- Safety Measures
- Payment Solutions
- Passenger Assistance
- Connectivity

PRIMARY ACTIVITIES

VALUE CHAIN

PRIMARY ACTIVITIES

INBOUNDS LOGISTIC

Sourcing advanced EV parts from reliable suppliers to ensure that we have the necessary components to build our eco-friendly electric buses.

OUTBOUNDS LOGISTIC

- Maintenance and Repairs
- Passenger Comfort
- Real-time Information
- Charging Station

SERVICE

- Customer Service
- Safety Measures
- Payment Solutions
- Passenger Assistance
- Connectivity



OPERATIONS

- Vehicle Assembly
- Quality control checks
- Efficient fleet management
- Application development

MARKETING AND SALES

- Digital Marketing:
 - Advertising campaigns
 - Website Marketing
- Advertisement

VALUE CHAIN

SUPPORT ACTIVITIES

Firm Infrastructure

Having a strong organizational structure with good ways of making decisions and take care of important departments like management, finance, and legal stuff.

Human Resource Management

Recruitment, Training, Employee Benefits





Procurement

Research and Development, Application Development





Technology Development

Supplier Relationships, Cost Negotiation





E - BUS





Q&A SESSION

