



Developing a Purpose Build Future.



Pitch Deck
April 2024

The Executive Summary

By 2030, Government of India aims to make the transportation sector of the nation **100% electric.**

Transport sector contributes for 14% of the Direct Energy Related CO₂ emissions in India. Within transport sector, **road transport is responsible for 90% of the total energy consumptions.**

India's motor vehicle fleet has been grown to almost **double to over 200 million vehicles by 2030.**

BPH mobility is developing **worlds most compact**, efficient and value for money **solar electric vehicle**



Market

India is the most populated country with **the population of 1,425,775,850**, where more than **90% people does not own a car**.

At the same time, 50% population own a two-wheeler. All these people dream to have their own car someday.

All India Value car

7.5%



Source:

National Family Health survey - 5 (2019-2021)



All India Value Two wheeler

49.7%

User

According to a research by team-bhp, the car buying budget of Indians increased by 30% in 2022. Now, people are **ready to spend around 6 lakh (6800 euros)**.

Indian **customers wants** to buy more **fuel-efficient cars** because they want to save money and **increasing fuel prices** are forcing them to find **alternatives for fossil fuel cars**. Consumers have also started taking **environment friendly solutions** into their considerations.



72%



71%



64%

Want to save
money

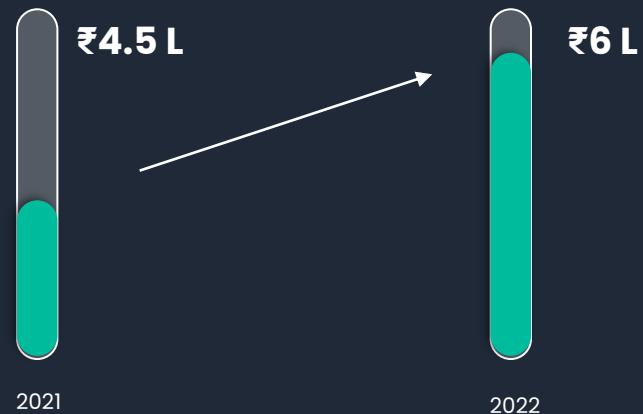
Believe they are
environmentally
friendly

Think fuel price are
too high

UNDER 35

Majority of car buyer now

Data also shows that There is also **81% surge** in the number of people **buying more than 1 car** in a year in India.



Average car buying budget increased by 30 %

The Problems

Increased in fuel price, Heavy traffic, Bad Roads, Bad air pollution, No Parking space and Safety.



Increased in fuel price



Bad Air Pollution



Heavy traffic



No Parking space



Bad Roads



Safety

Bridge the gap between 4-wheeler and 2-wheeler.

All India Value

49.7%

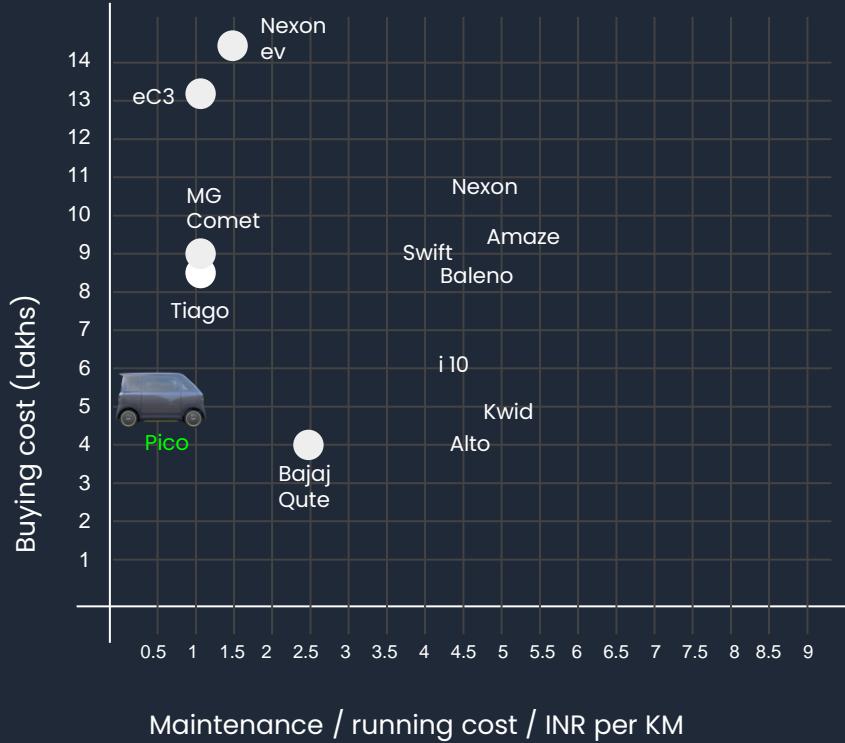
Value in 2018: 37.7 %



All India Value

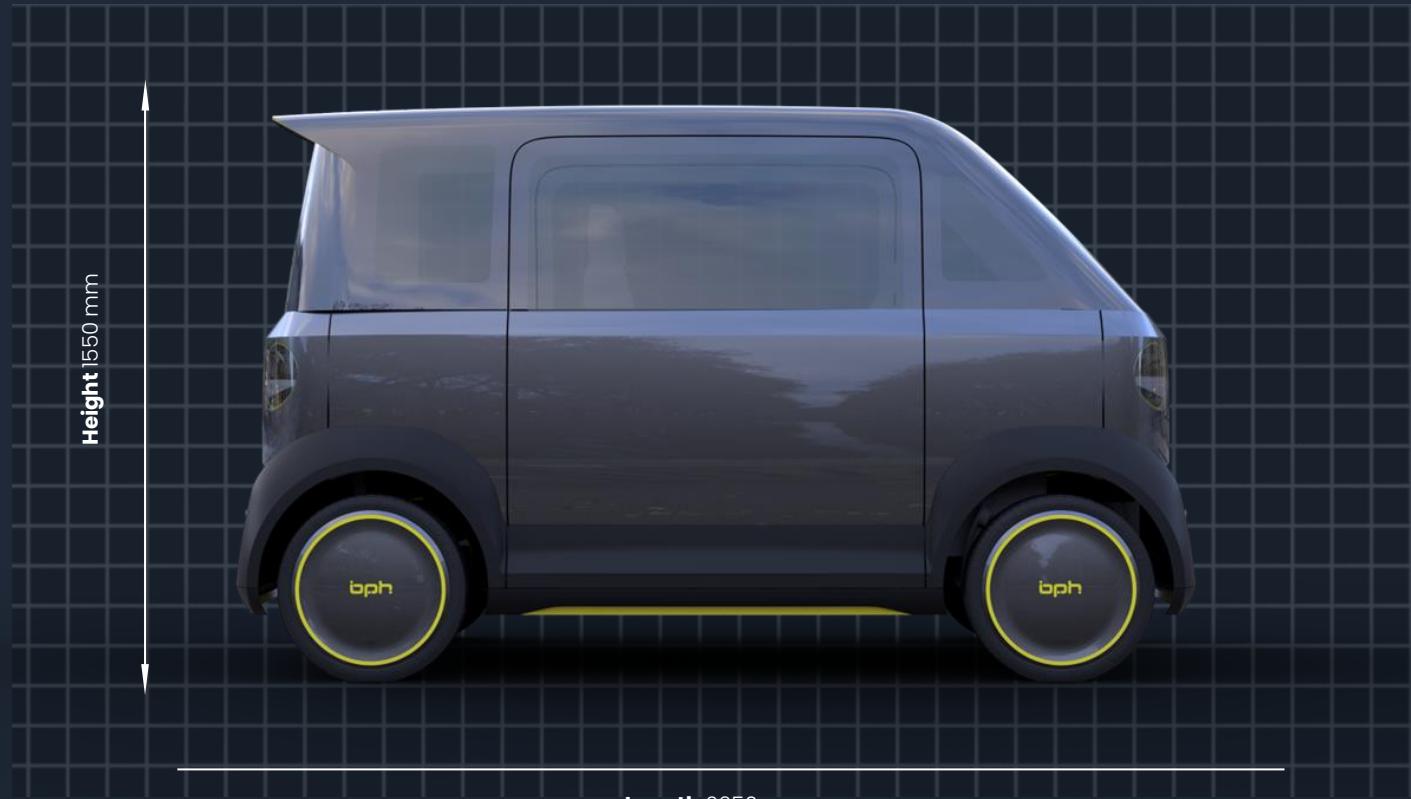
7.5%

Value in 2018: 6 %



Specification

PICO 5S



100 Km, 150 Km,
200 Km (+25 Km
Solar) **Range**



285 Watts
**Solar
capacity**



500 Kg
Weight



1500 mm
Width



80 Kg
**Battery
weight**



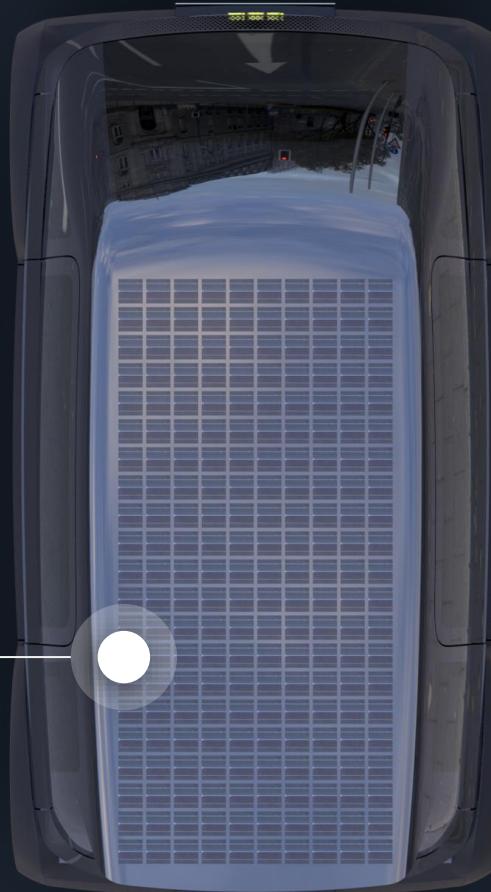
6 hours
**Charging
time**

Sustainability

According to a research, 75% commuters in India drive their car less than 33 KM/Day.

Our practical design allows us to use maximum space available on the roof of our car for around **285 Watts of solar cells**. It can be driven on solar around **25-30 kilometer everyday**.

Which mean that almost 70% of the users of this car may never have to charge their car.



World's most efficient platform?



BPH platform's Efficiency
15.35KM/kWh

Porsche
Taycan



3.2 KM/ kWh

Tesla
Model 3



08 KM/ kWh

Light
Year 0



11.2 KM/ kWh

Aptera



16 KM/ kWh

One Platform, Countless Options.



Modular
Platform



Sustainable
Model



500kg - 1250kg
Payload



Swappable
Batteries



Reduce
Unit Costs



50 - 70km/h
Speed

Our PLCO is just the Beginning...

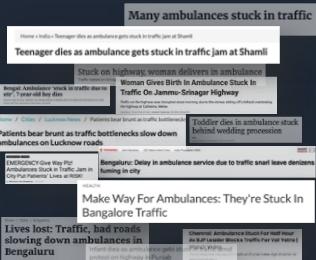
Small Businesses, Big Fleets, Commuters, Farmers, Contractors, Public Fleets, Police, Ambulances, Private Owners, Families, Deliveries, Taxies, Postal Services, Craftsmen

We see an Affordable Purpose
Build EV for Everyone.



Thousands of People Die Because Ambulances get Stuck in Traffic.

The situation is getting worse as urban traffic density increases year by year in every major city in India and beyond.



This Happens Every Day, in Every City Across India.

30%
Mortality Rate due to Ambulance Delays.

90%
Of Ambulances Lack Basic Life Support Equipment.

0.01%
Only One Ambulance per 100,000 People.



When Every Second Counts, We got You.

The Smallest Possible Footprint gets Patients Faster to the Hospital than any other Ambulance.

3X

Cheaper Purchase Price
than Current Ambulances

75%

Smaller than Current
Ambulances.

**The World's first Purpose Built
Electric Ambulance.**

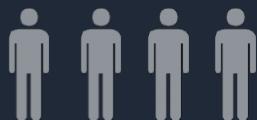


Current Ambulances are Not Designed to Save Lives.

The Smallest Possible Footprint gets Patients Faster to the Hospital than any other Ambulance.

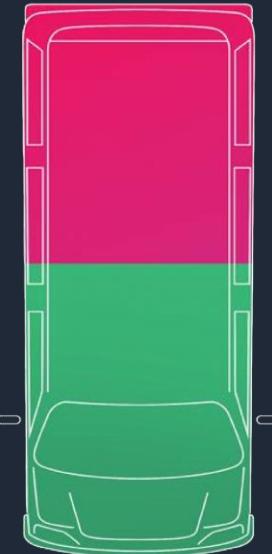


0%
Unused
Space.

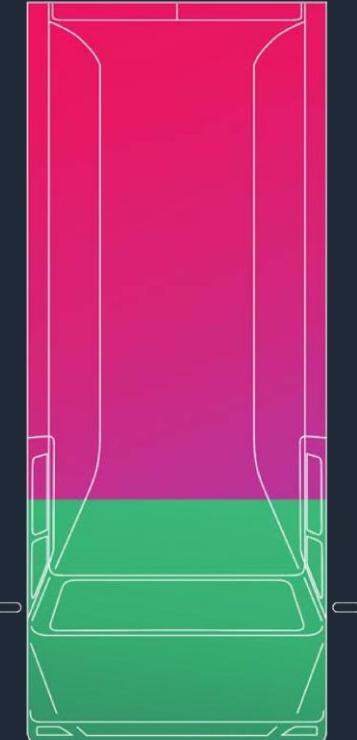


1 Driver / Paramedic
1 Paramedic / Relative
1 Patient
1 Attender

We Build the World's First Purpose built ALS Ambulance.



Maruti Eeco 1.2L



Force Traveller

An Advanced Life Support **(ALS)** Ambulance.



World's first purpose-built electric micro ambulance.



All legally required advanced life support equipment on board, including a stretcher.



Specifically designed for urban traffic with the agility of a bike and comfort of a car.

7.5 lakh INR

Sales Price!

13 kWh

Battery capacity

60 min

Fast charging time

500 kg

Kerb Weight

70 km/h

Maximal Speed

200+KM

Range



Specification

ANT red



Length 2650 mm



500 Kg
Weight



1300 mm
Width



285 Watts
Solar capacity



150 Kg
Battery weight



150 Km, 200 Km (+25 Km
Solar)
Range



8 hours
Charging time

The Ant Series.



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Total Addressable Market

Small Car

Small cars market segment revenue in 2023 -
₹490.50 Billion (US\$ 6 billion)

With expected annual growth rate of 5.36% in
2027 - **₹604.40 Billion (US\$ 6.79 billion)**

Average price of small car in 2023 -
₹5.4 Lakhs (US\$ 6.6k)



Total Addressable Market

Micro Car

Micro car market segment revenue in 2023 -
₹151 Billion (US\$ 1.85 billion)

With expected annual growth rate of 5.46% in
2027 - **₹187 Billion (US\$ 2.1 billion)**

Average price of small car in 2023 -
₹3.93 Lakhs (US\$ 4.81 k)

Micro cars segment unit sales in 2027 -
0.43 M Vehicles (expected)



Market Validation: India's Ambulance Networks want our Vehicles.



Mr. J. Lalwani CEO &
Co-Founder DIAL 4242

"Dial4242 Ambulances aim is to make the best emergency care available in the shortest time possible. Currently, our TAT is 12 mins, but **congested streets and a growing vehicle population are some major challenges we face**. Due to its small size, Ant Red could revolutionize the emergency sector and save millions of lives. **We would love to partner with Ant Mobility to better serve our millions of customers!**"



Dr. A. Gowtham
Emergency Doctor 8
Years Experience

"Ant Red will be of **great use for hospitals as it is more affordable, efficient, and economic than any current solution**. This will be a great milestone for the country's emergency medicine. I am very confident that Ant Red will be the future of emergency medical transportation."



Mr. S. Ravi
Emergency
Paramedic Trauma
Specialist

"Often, due to traffic congestion, the patient does not receive high-quality treatment in time. Too many times this leads to lives lost during transportation. Ant Red will be able to overcome congestion, the impact of this is of great value for everyone involved and **allows us to provide fast emergency services at all times.**"



**Mr. U.
Moorthy**
Ambulance Pilot
15 Years Experience

"In my 15 years of ambulance driving experience, traffic congestion is only increasing. It is becoming more and more difficult to take patients from one location to the hospital on time. Ant Red will be of great use in saving lives. I'm very much looking forward to driving such a vehicle"

A Team With a Proven Track Record.



Ashwani Pal
COO & Founding Member



Sudhanshu Pal
CTO & Co-Founder



Rubesh Dhananjayan
CCO & Co-Founder



Deepanshu Pal
CLO & Founding Member



Dr Gigi Gaudi
Strategy & Planning



Nicole Hoffman
Business Development



Our Advisors Board



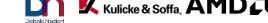
Bharath Raj
Marketing & Outreach



Edwin Sundarraj Subbiya
Digital Manufacturing



Kishore Kumar
Supply Chain & Logistics



Timeline

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	
2024										2025	
Exterior Prototype Our plan is to finish our exterior working prototype of this car by the end of April		Interior Prototype We will finish our interior prototype by the end of June 2024			Engineered Chassis Once we will have our working EXT/INT prototype, we will start working on creating the engineered chassis and body in white. We are expected to finish all the engineering work by the end of October 2024			Homologation We are expecting to start the homologation process in the March and finish it by December 2024			Product launch at Delhi Auto Expo 2025

CHARGING ECO-SYSTEM

India still does not have a charging infrastructure for EVs. So, we took a different approach. As our car can be charged with 15 amps plug point so we have included so many roadside shops and kiosks into our charging eco-system. They are more than happy to be part of this eco-system if we provide them support.



Future plan

01

We already have the team who is working on creating a 1:2 scale version of our car, which will be our first autonomous chassis we will test all our technologies on this scaled version and later integrate into our car. This will make our car as India's first **autonomous car**

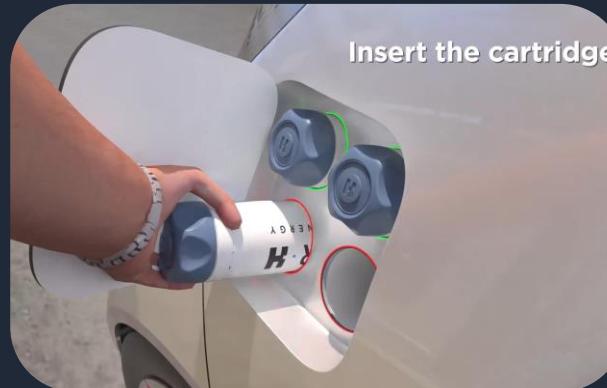
01



02

We also have experience of working on hydrogen technologies. Our future plan is to make our vehicle as India's first made in India hydrogen vehicle. We already have discussed a collaboration with a swiss company for the **hydrogen technology**

Insert the cartridge



02

03

We have also developed a concept which will upgrade our car to **Air mobility** in future. We have also created the ecosystem for future Autonomous EVTOL mobility

03



Capitalization Table

BPH Mobility is constituted as a private limited company. It is a Bootstrapped organization fully funded by all **3 partners.**

Sudhanshu Pal

Founder & CEO/CTO

Nationality - Indian
Commitment - Full Time
Share Holding - 60%

Ashwani Pal

Chief Operating Officer

Nationality - Indian
Commitment - Full Time
Share Holding - 15%



Deepanshu Pal

Chief Legal Officer

Nationality - Indian
Commitment - Full Time
Share Holding - 15%

Rubesh Dhananjayan

Chief Commercial Officer

Nationality - Indian
Commitment - Full Time
Share Holding - 10%

Strategic Partners



REASONANCE

Wireless . indeed



ARAI AMTIF



Thank You.

bph
mobility



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