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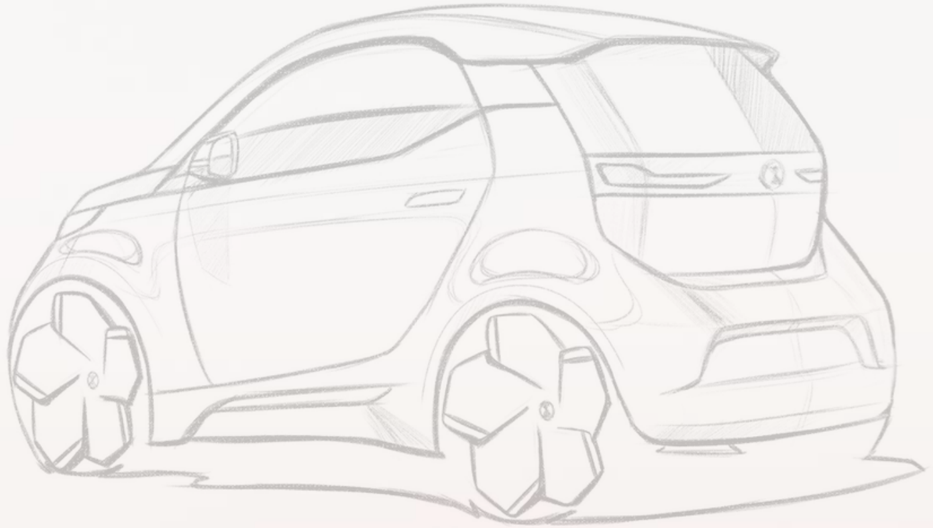
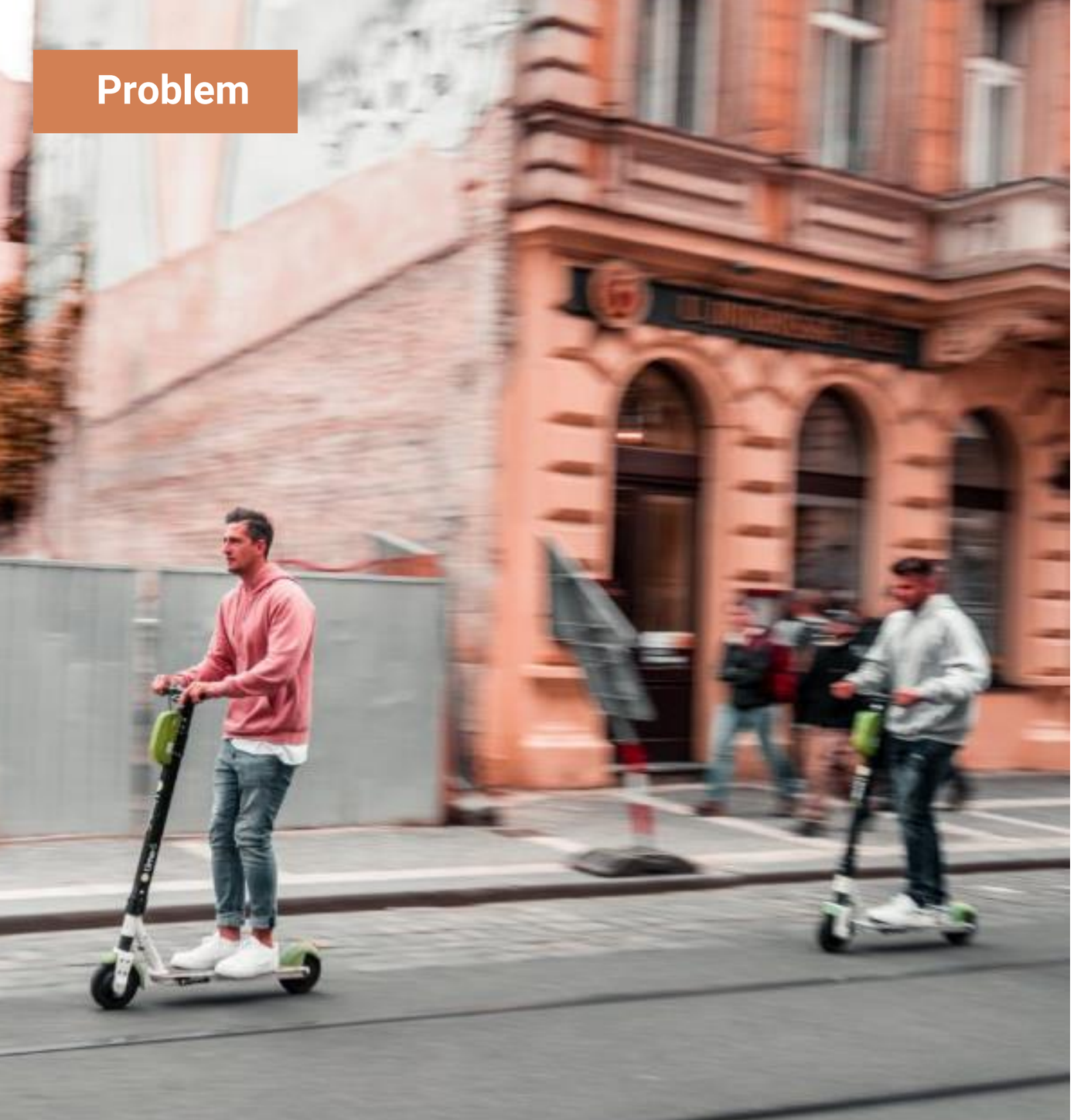


An urban car at the center of electrification, micromobility and green energy

Introduction-Urban Mobility

- Average distance traveled per person for urban trips in Europe: min. Greece (5.6 km)-max. Germany (19 km)
- Percentage of journeys of 10 km or less in Europe: for individual cars %52; for all modes: %60
- Average number of passengers in individual vehicles: min. Italy (1.17)-max. Romania (1.87)



Problem

Recent surveys suggest that 44% of the Z generation gives priority to alternative transportation methods.

-Financial Times

Problems faced in the micromobility industry:

- Low driving safety
- Physical limits-Speed (18-40 km/h) and range (25-50 km)
- Unsuitable for carrying goods around
- Travel restriction to one-person
- Regulations-problem of driving in the traffic

Problem

All automobile sales in the world's largest automotive markets (China, USA and EU) will be electric by 2035.

-McKinsey center for future mobility, "Why the automotive future is electric" (September, 2021)

Problems encountered in EV industry:

- Long charging time
- Insufficient charging stations
- "Range Anxiety"
- "Vampire Drain"-battery discharge problem

Solution

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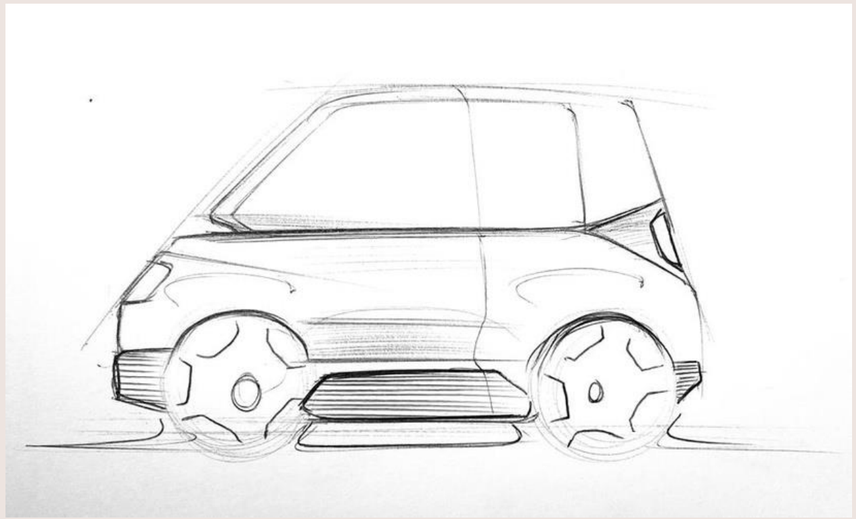
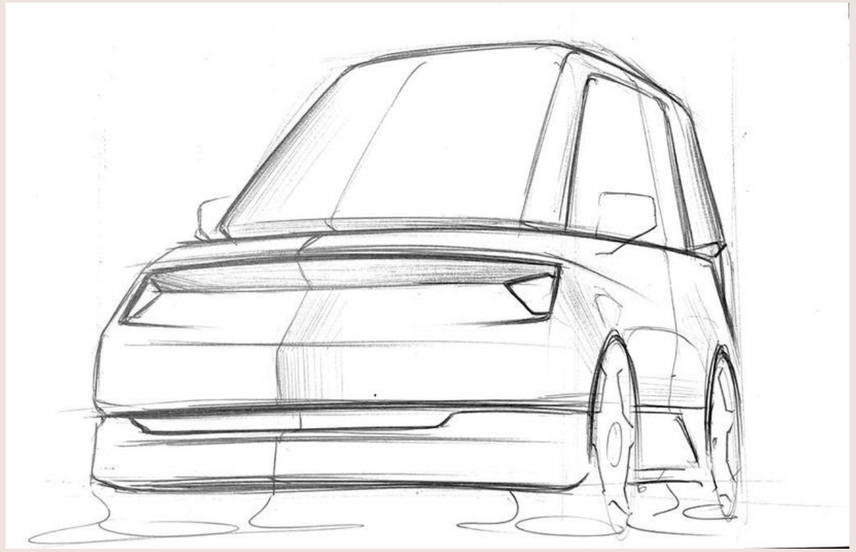
1. Modular replaceable battery feature -7/24 in use
2. Easy charging with portable battery
3. Fast, safe and easy transportation
4. Two-person travel capacity
5. Ultimate solution to battery discharge problem with solar panel integration
6. Dirct and indirect 10km additional range with solar panel (3650 km per car on yearly basis)
7. 2.5-3x more efficient than a standard electric automobile





Technicial Specifications

- Size: 2m long, 1.2m wide, 1.6m high
- 2x in-wheel electric motor
- Maximum speed of 80 km/h
- 110kW-hour modular Li-ion battery
- 100 km range (WLTP)
- Daily average 10km additional range with solar panel
- 450 kg weight excluding battery

Solar Cell Integration

Günam Solar Cell

TEAM

Tayfun Selamoğlu
-Founder (Mechanical Engineer +8 years)
-Politecnico di Milano / Management Engineering (MSc)

Alper Emrul
-Girne American University / Electric-Electronic Engineering (BSc)
-Electric Desing and Automation (+14 years)

Fırat Tankut
-Middle East Technical University / Electric-Electronic Engineering (MSc)
-R&D Engineer (+10 years)

Tarık Selamoğlu
-Ankara State Faculty of Engineering / Mechanical Engineer (BSc)
-Mechanical and Manufacturing Engineer(+44 years)

Kemal Atakan Polat
-TOBB ETÜ / Industrial Design (BSc)
-Vehicle and Transportation Design (+1 year)

Erçin Kutan
-Eastern Mediterranean University / Computer Engineering (BSc)
-Software Engineer (+5 years)

Partners

TÜBİTAK

ODTÜ GÜNAM
CENTER FOR SOLAR ENERGY RESEARCH AND APPLICATIONS

GEMmotors

GROWTH STRATEGY

1

OCTOBER 2022

Project start with 1512 Tübitak Entrepreneurship Support Program

2

OCTOBER 2023

Completion of the final prototype

3

JANUARY 2024

Developing different product variants for different customer segments

4

2024

100 sales for individual users and cooperation with 5 corporate companies

5

2025

250 vehicle sales and entry in sharing service within micromobility

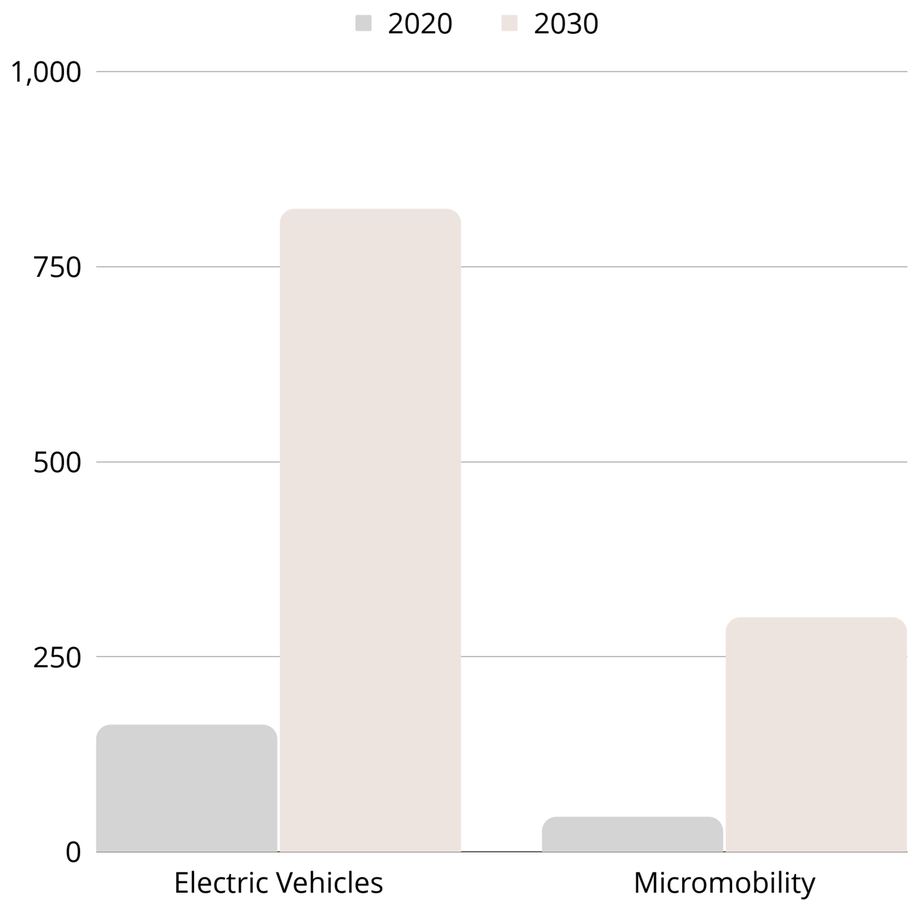
6

2026

Mass Production capacity and cooperation with European municipalities in the field of mobility.

MARKET SIZE

- Electric Microvehicles market size will reach approximately $25 billion in 2026.
- Electric Vehicles :%18.2 CAGR
- Micromobility :%28.3 CAGR



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Thank you for your time...

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