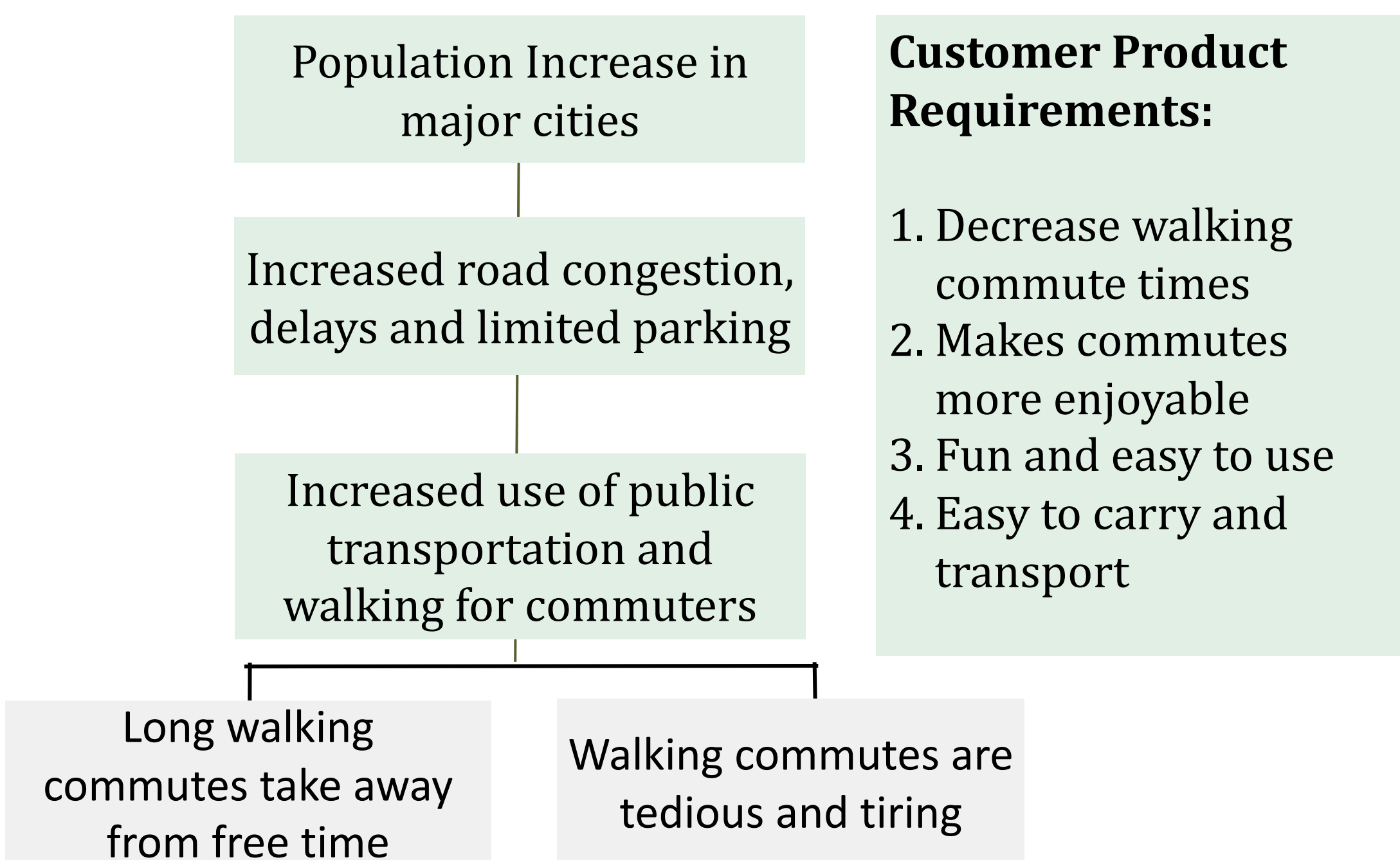


AUTOSOLES

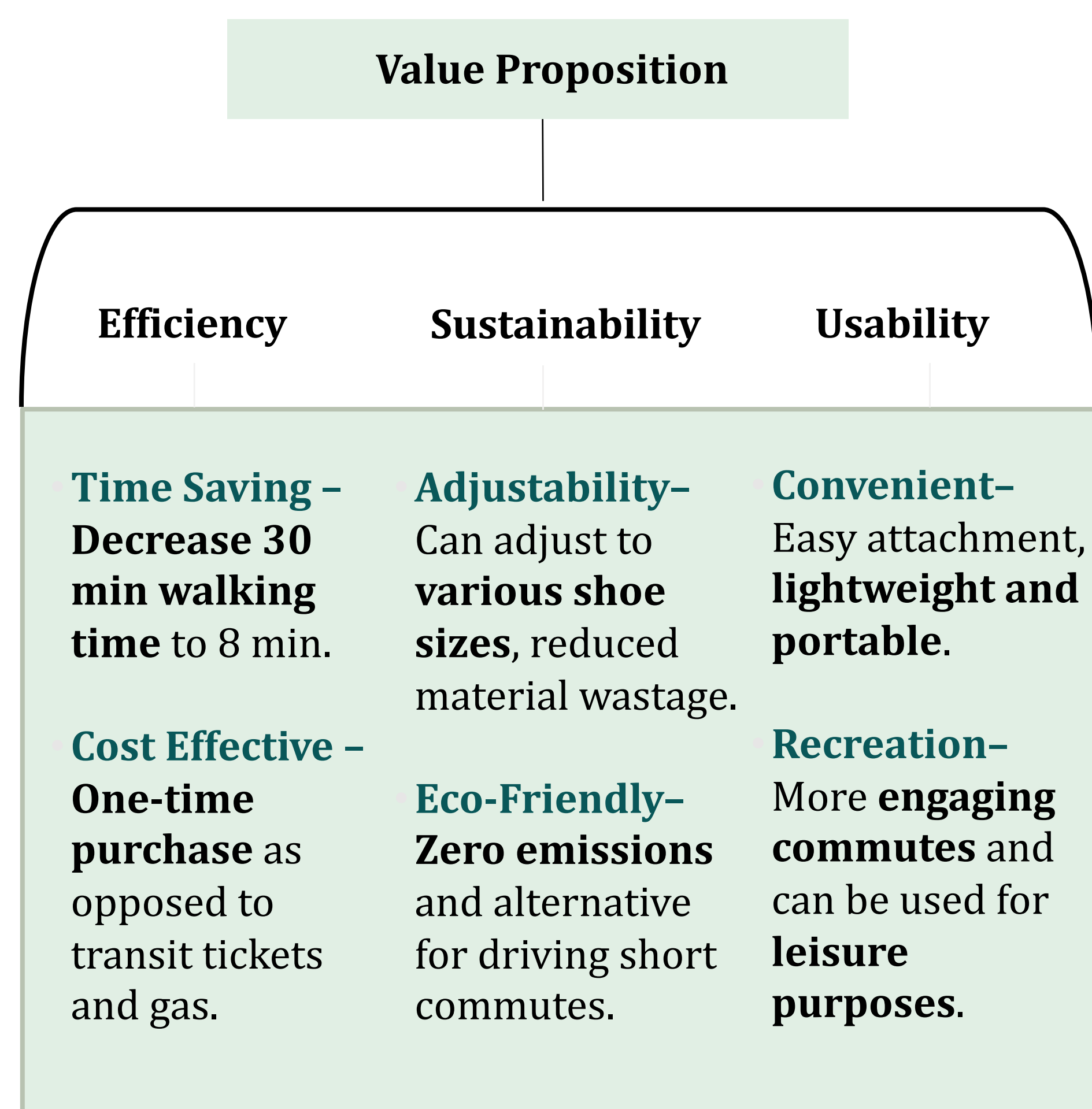
The Electric Skates That Fit In Your Pocket



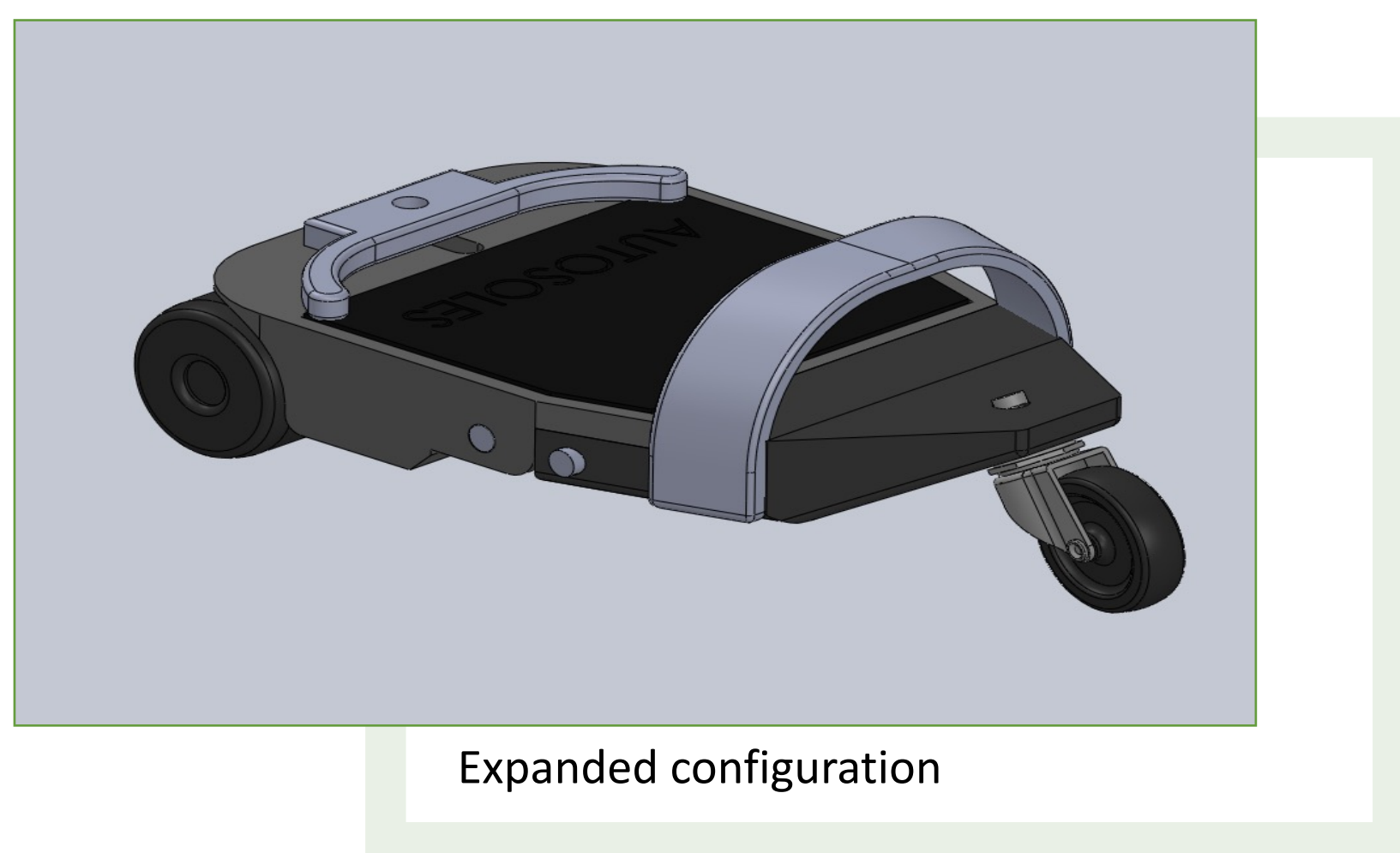
Problem Statement



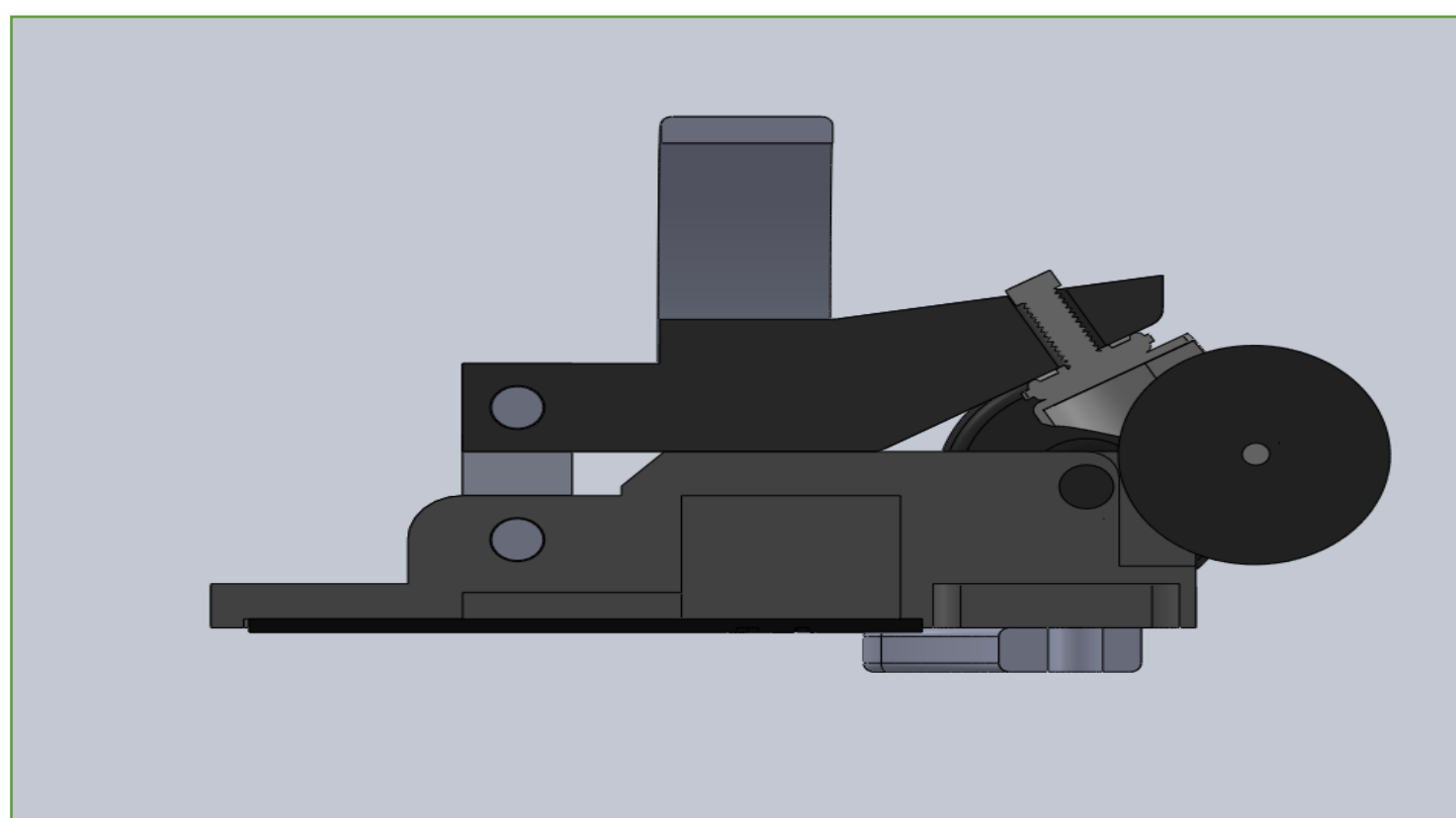
Value Proposition



Solution



Expanded configuration

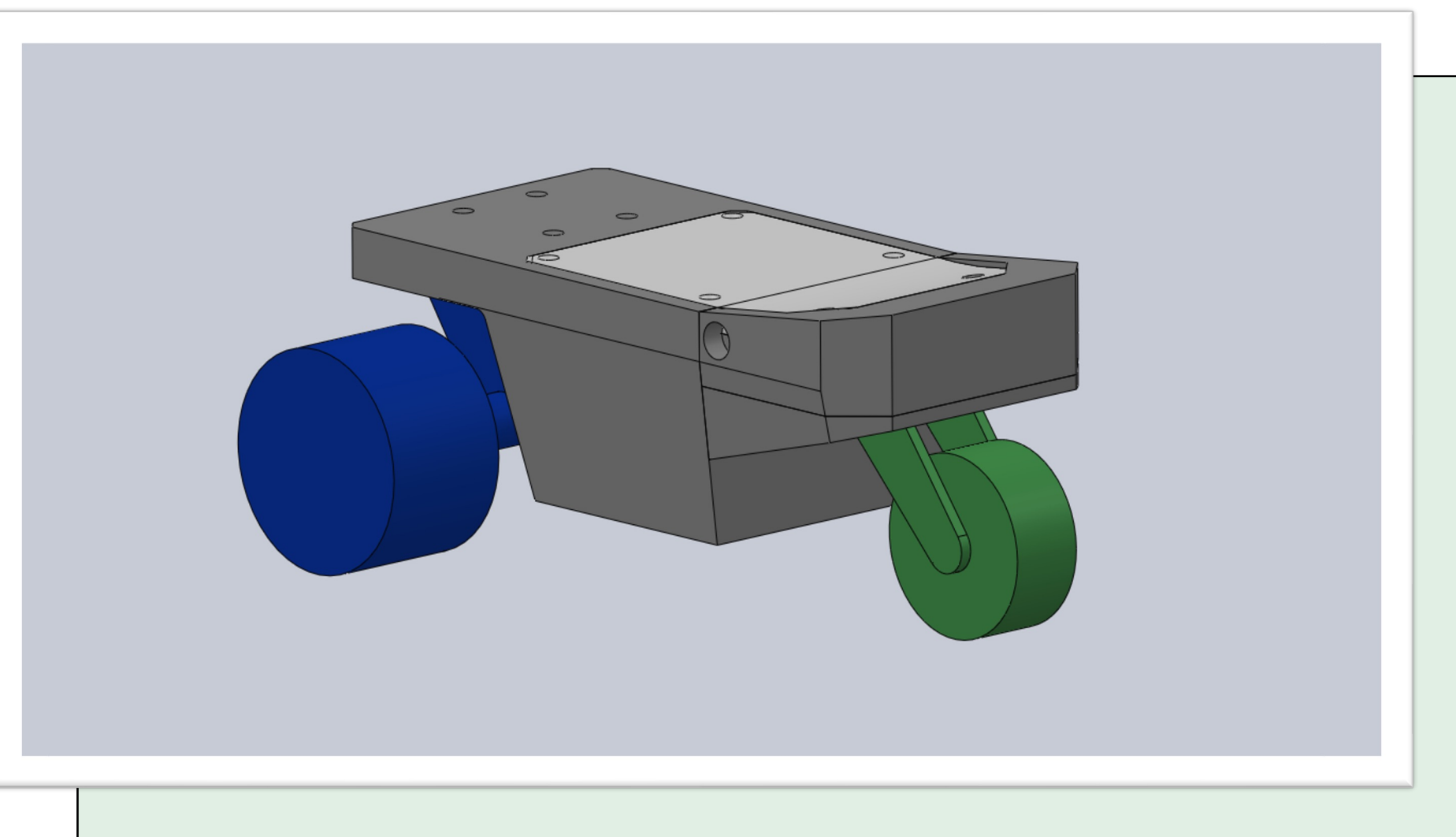
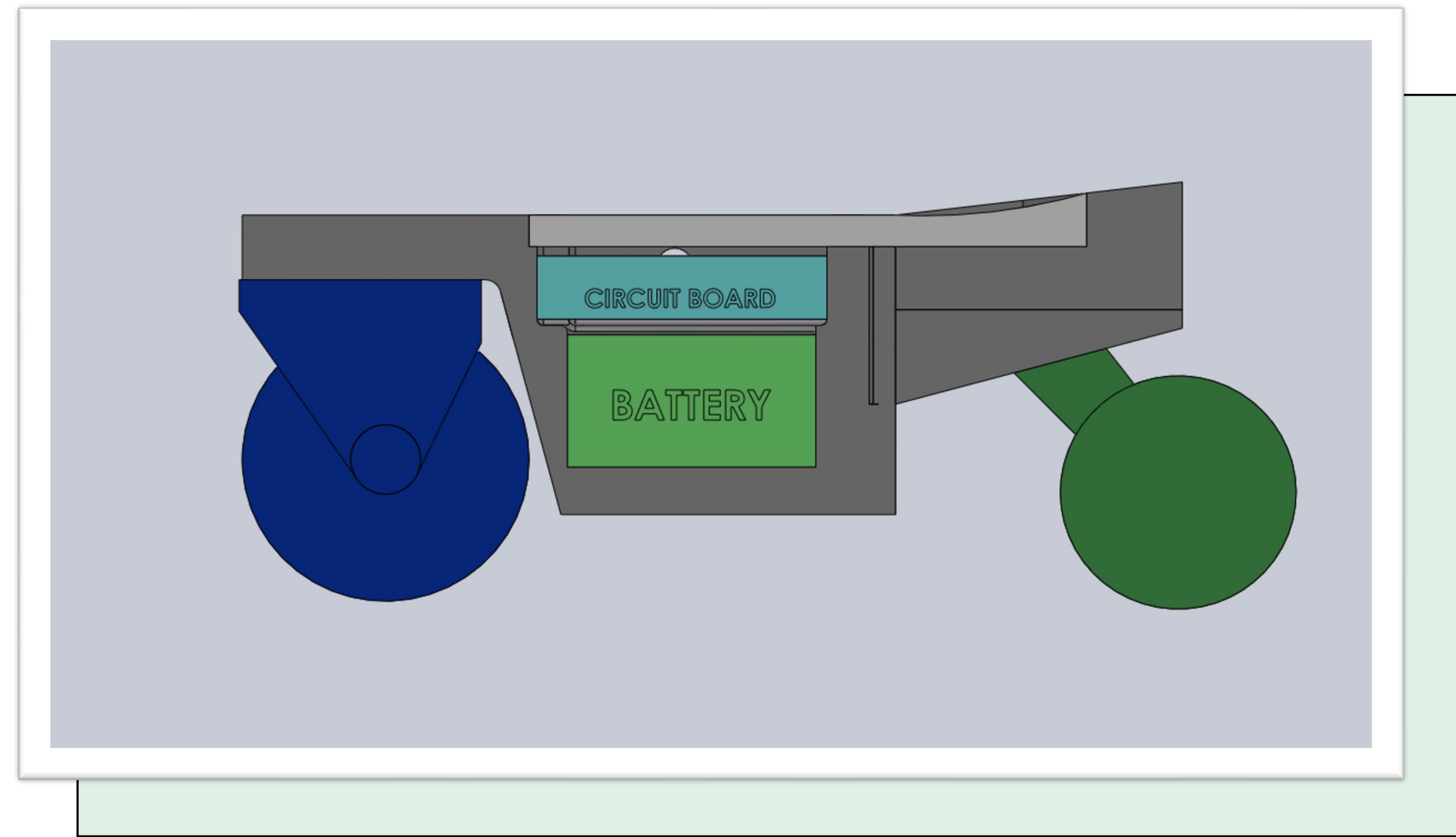


Folded configuration

Key Design Features

Electric skates that clip onto shoe soles
Remote Controlled speed adjustment
Foldable, portable and lightweight
Adjustable to multiple shoe sizes
Max Speed: 15km/h, Max Range: 10km

Final Prototype Design



Key Testing Factors

- Dynamics of steering system
- Motor power and torque requirements
- Stability of platform

Key Design Features

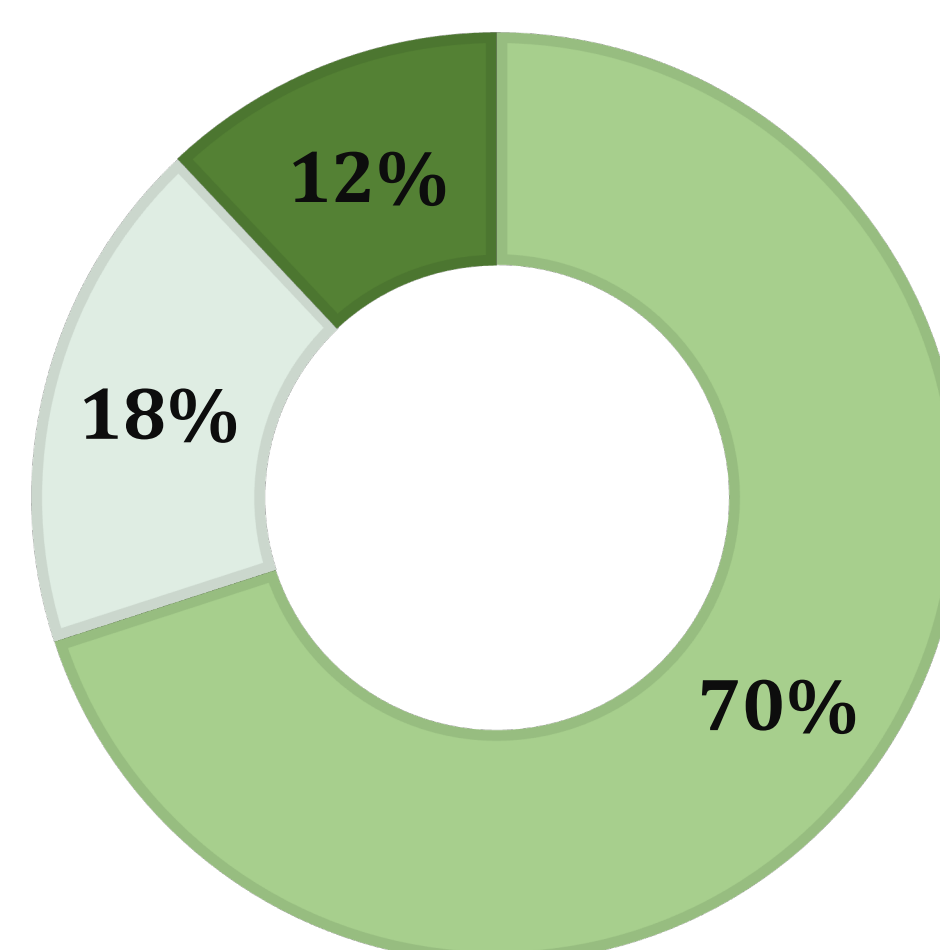
- Using existing commercially available In-hub motors and trunks
- Batteries and Circuit board vertically integrated into chassis

Customer Discovery

25 Interviewees of Various Customer Segments

12 Downtown Commuters
7 Skaters at UofC Oval Skating Arena
6 University Students

- Validated Problem
- Invalidated problem - would use recreationally
- Invalidated problem



The problem of walking during commutes exists and is highly relevant

Business Model Logistics

Revenue Streams

- D2C Business Model through e-commerce
- Rental partnerships with 30% revenue share
- Repairs and Warranty

Marketing Channels

- TikTok organic, paid ads through Facebook and Instagram
- Search ads through search engines like Google

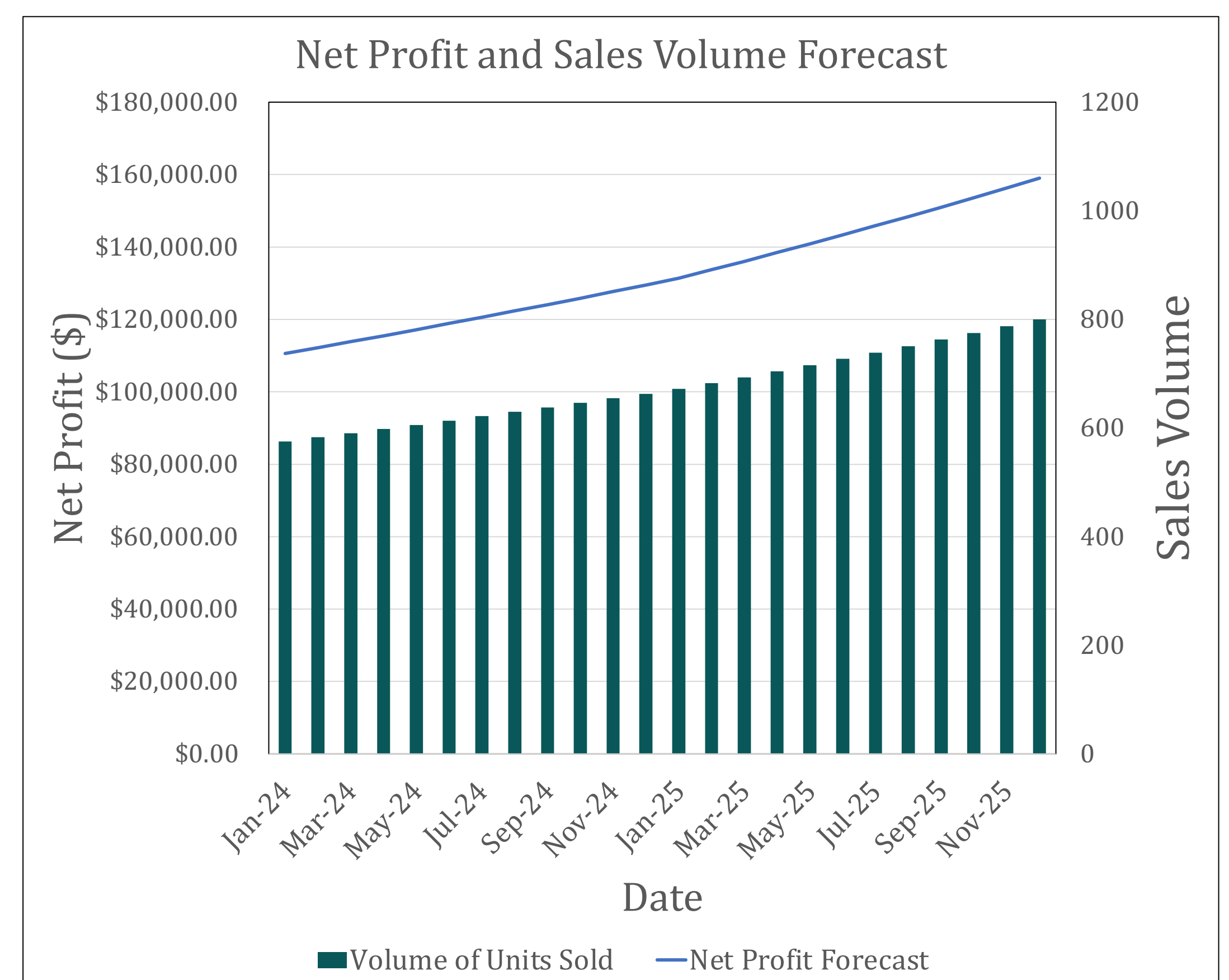
Business expenses

Fixed Costs	Variable Costs
<ul style="list-style-type: none">• Employee Salary• Business Loan Repayments• Website Maintenance	<ul style="list-style-type: none">• Manufacturing• Marketing• Shipping, Packaging and Fulfilment• Cost of Goods• Inventory and Warehouse

Cost Breakdown

Cost Component	Cost Per Unit
Frame (Plastic Injection Mould)	\$1.50
Motor and Wheels (in-hub motors) x2	\$70.00
Controller and circuit board	\$97.00
Battery Holder x2	\$8.00
Batteries x8	\$8.00
Assembly Cost	\$13.64
Customer Delivery	\$67.54
Cost of Goods:	\$184.50
Operating expenses	\$81.18
Total cost of goods:	\$265.00
Retail Price	\$560.00

Financial Forecast



\$21.43 B USD Micro Mobility Market
Assume: 5% is captured by electric skates, and AutoSoles captures 1% of electric skate market, this is \$10M a year. Forecasting that AutoSoles will hit \$10M a year by 2029, the above graph shows the forecasted volume for the first 24 months.

Micro Mobility Data Book Coverage Snapshot		
Markets Covered		
Micro Mobility Industry		
USD 21.43 billion in 2021		
13.9% CAGR (2022 to 2030)		
Electric Kick Scooters Market Size	Electric Bikes Market Size	Electric Bicycles Market Size
USD 2.61 billion in 2021	USD 980.3 million in 2021	USD 17.83 billion in 2021
11.5% CAGR (2022 to 2023)	7.8% CAGR (2022 to 2023)	5.0% CAGR (2022 to 2030)

<https://www.grandviewresearch.com/sector-report/micro-mobility-industry-data-book>