

Existing Market Issues

IM-Charging



Limited parking spaces



Low charging efficiency



Insufficient number of charging stations



Difficulties in expanding capacity



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Senior student
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Lu SHEN
Senior student
major in Product Design

Awards Received:

3rd Prize in the 14th National College Students Practice and Innovation Competition for Process

1st Prize in the 12th Shanghai College Students Mechanical Engineering Innovation Competition

Excellent Award in the 2022 Shanghai College Students "Creation Cup" Competition



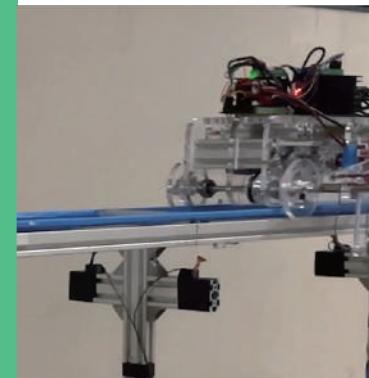
華東理工大學
EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY

HBPO
PLASTIC OMNIBUS MODULES



IM-Charging

One-stop integrated smart charging service solution



For EV Charge

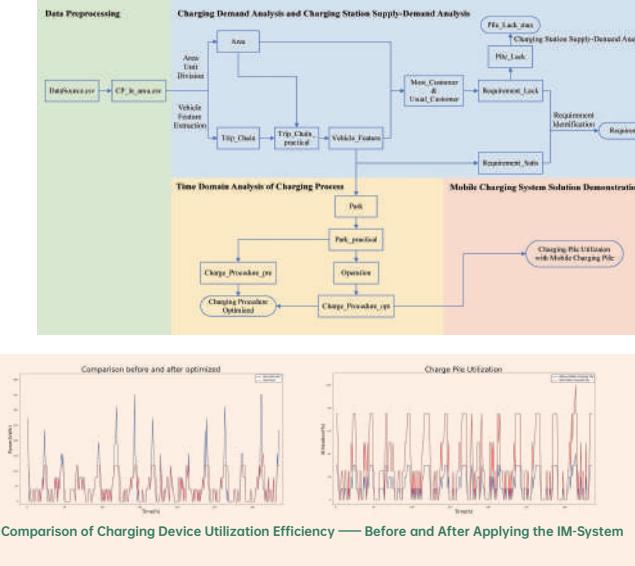


Intelligent Mobile System

Achieve carefree travel and bring a better experience to transportation!

Necessity Analysis of the Project

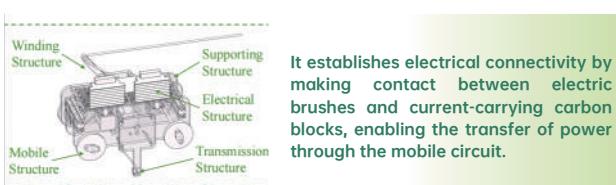
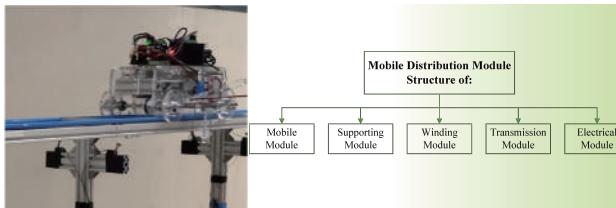
IM—Charging



Advantages of Using IM-System: Great Feasibility & Applying Value
Address the Pain Points of Charging for EV

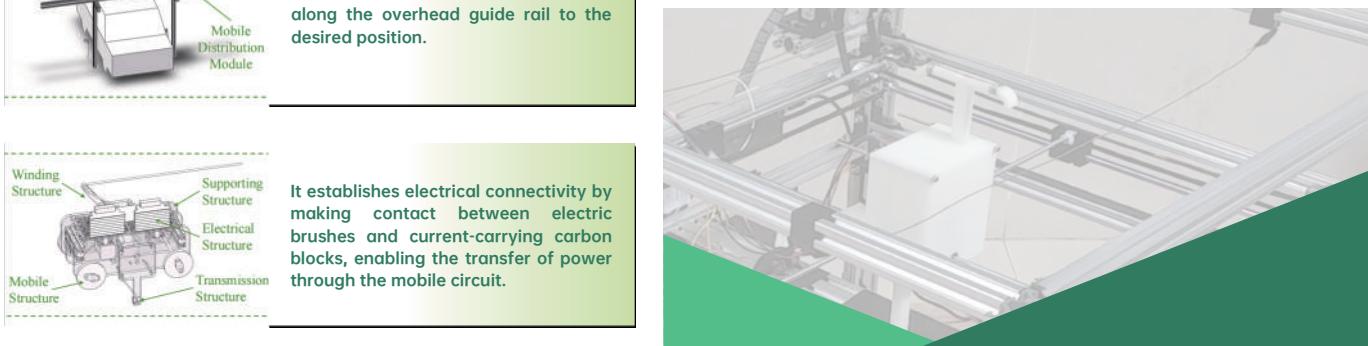
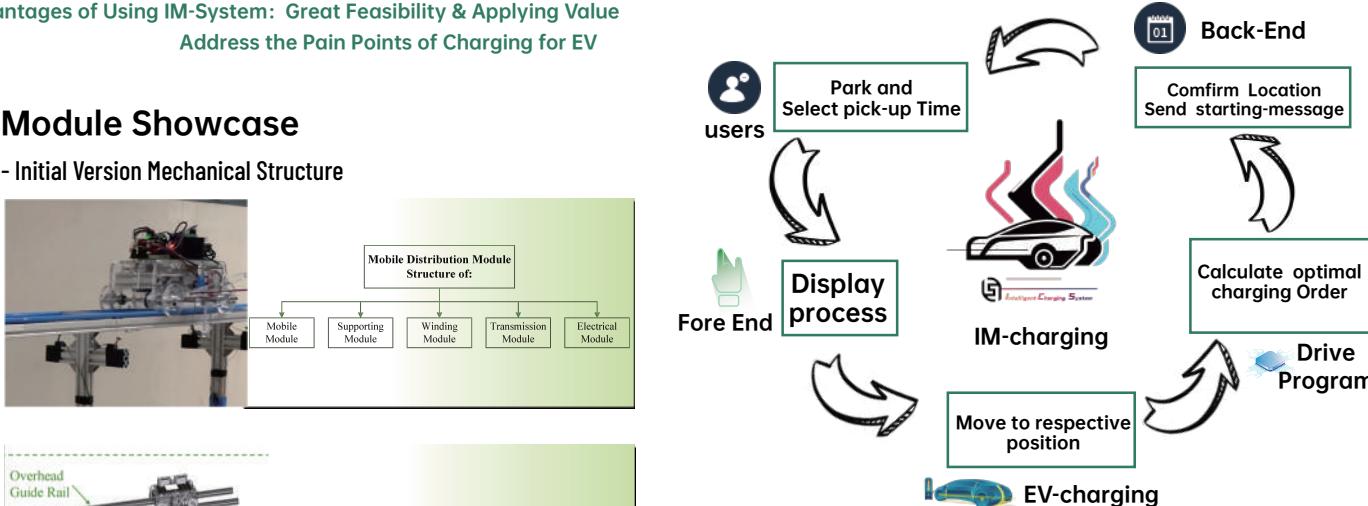
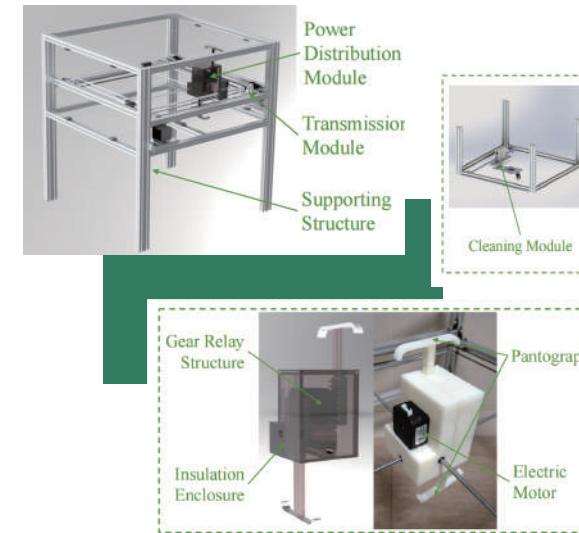
Module Showcase

- Initial Version Mechanical Structure

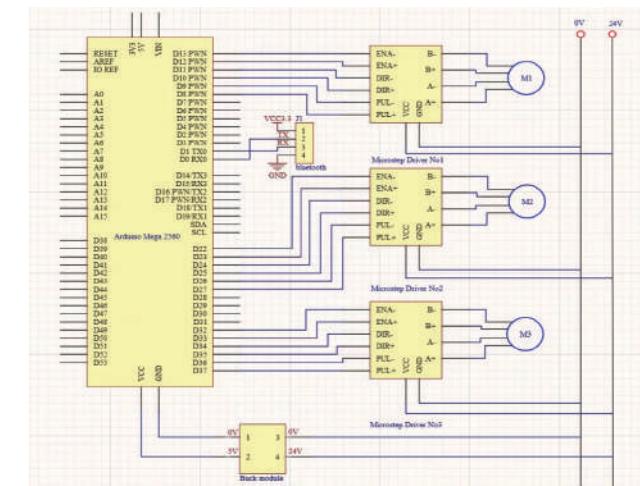


Module Showcase

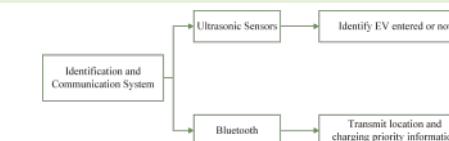
Optimized Version Mechanical Structure



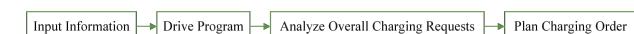
Module Showcase - Control System



Identification and Communication System Design



Driver Program Design



Fore-end Software Design

