

MEZZ SOLUTIONS

PRODUCTIZING YOUR IDEAS!

2025 February



WHO ARE WE?



We help SMALL to MEDIUM size companies, entrepreneurs, start-ups to design, develop and manufacture their electronic products while managing the supply chain to ensure the product gets to the market in time with top notch quality.

Established in 2018, in Shenzhen, China.

We're a squad of experts in

- Product design,
- Electronics and hardware development,
- Firmware, software
- Mobile app and cloud development,
- Manufacturing in China, Taiwan, Turkey
- Supply chain management,
- Quality management,
- Sourcing.

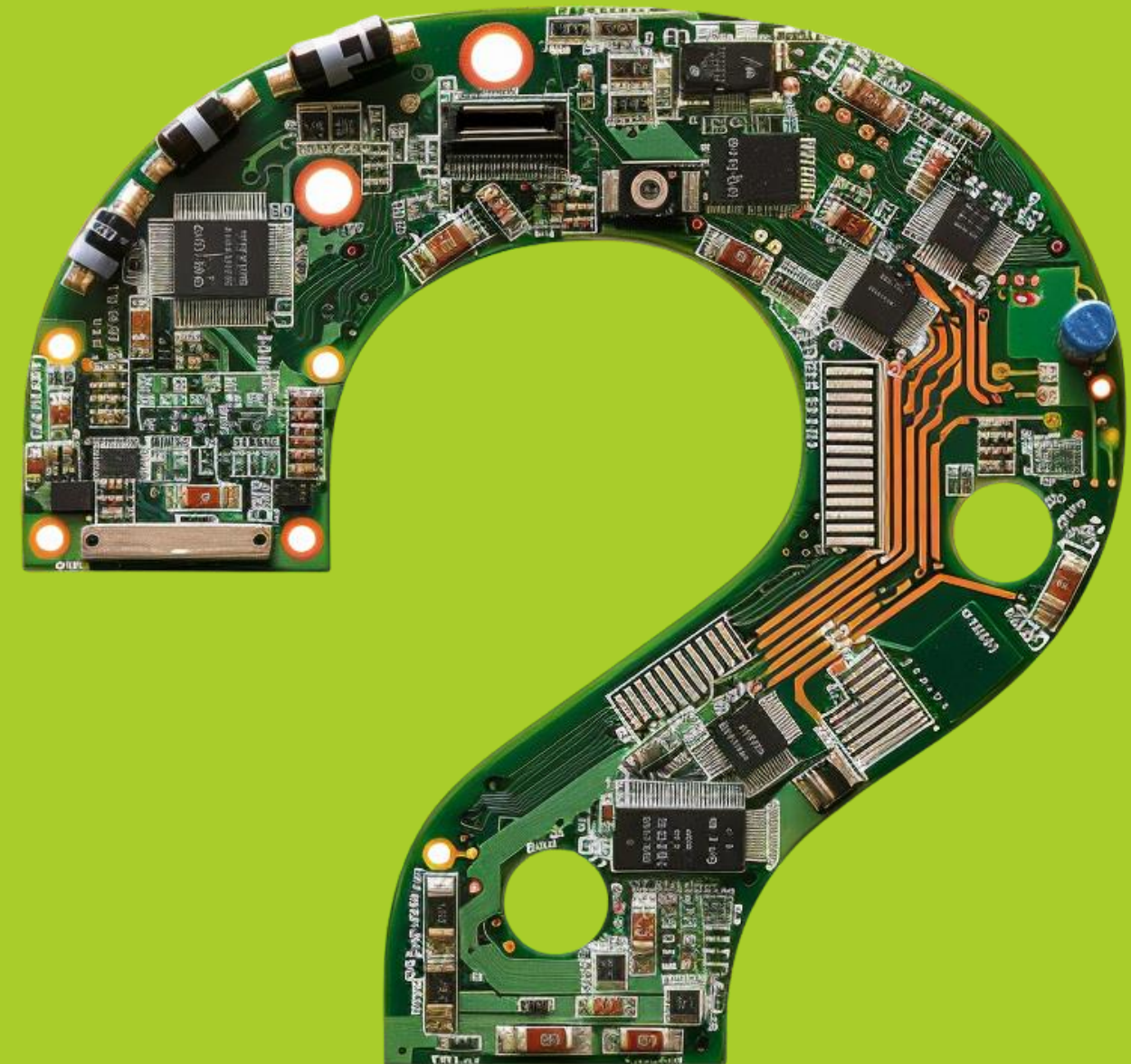
WHY US

Common failures when startups work with manufacturers directly:

- Wrong supplier choice
- Hard-to-manufacture designs
- Lack of experience
- Wrong projection of time and cost
- Last-minute notice from manufacturers about problems
- Geographically being too far from suppliers
- Other technical problems
- Language and culture barrier in communication

What can Mezz Solutions provide to you?

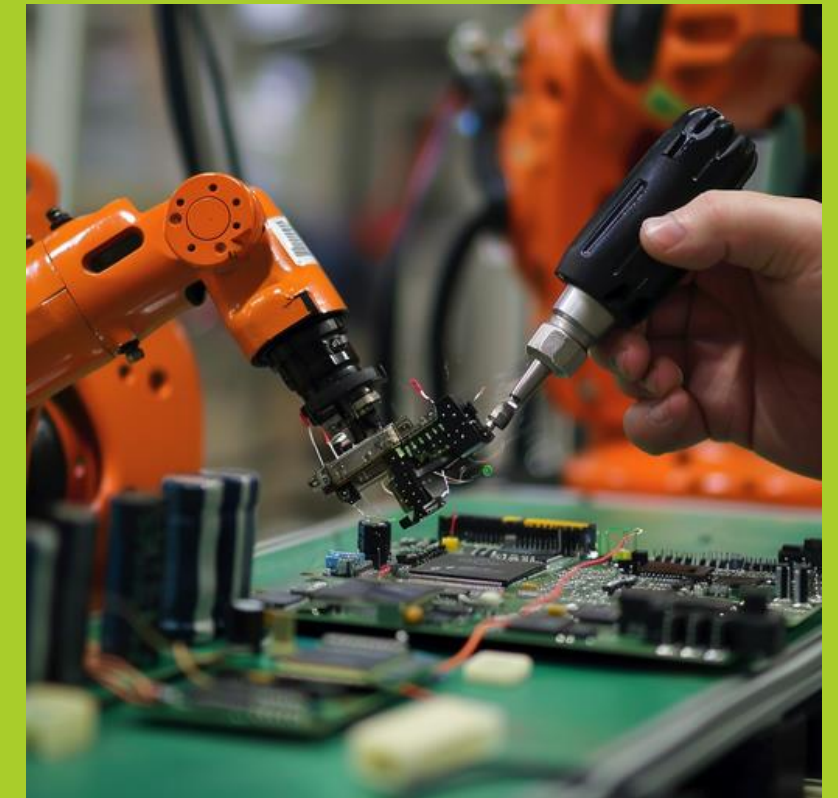
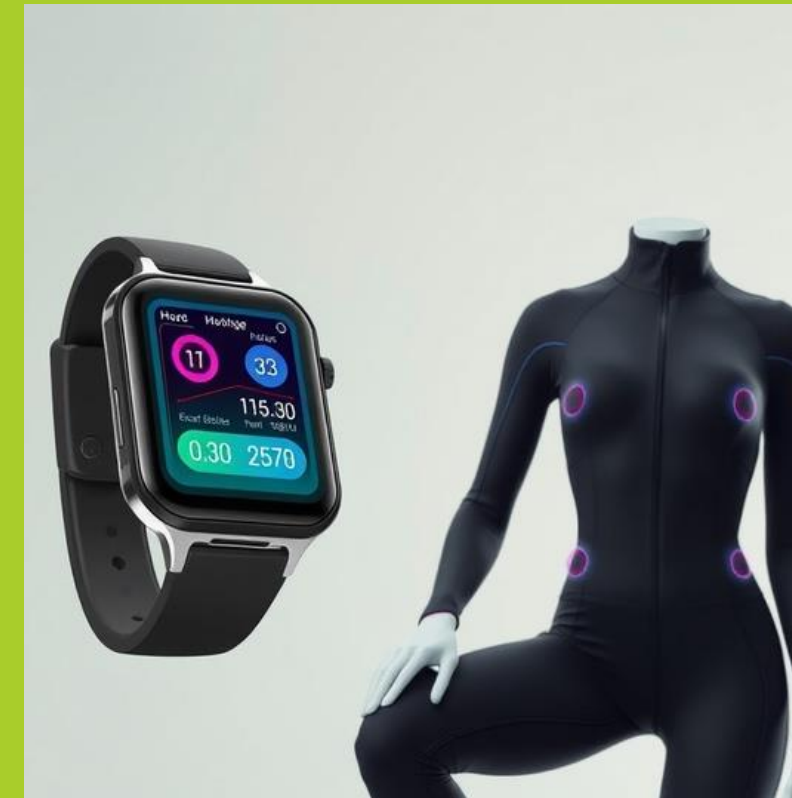
- Turning your idea into a mass product
- 19 years of experience (14+ years in China)
- Realistic timeline and cost projections
- On-track development
- Efficient communication, we understand both sides
- Easy to manufacture designs
- Pro-active approach to solving problems ahead
- Based in China



SERVICES

Electronics Design	Schematic design, PCB design, PCBA assembly and prototyping, feasibility analysis and BOM
Software Design	Embedded software development, cloud/back-end development, IOS/Android app development, UI/UX design, AI
Industrial Design	We follow customers' briefs and start with industrial design, then produce a visual prototype.
Mechanical Design	Upon design confirmation, we initiate mechanical design, followed by vendor review and feedback integration for optimal manufacturability.
Supply Chain Management	Factory scouting and on-site meetings, Samples arrangement and testing, contract management, communication & negotiation.
Manufacturing	We can do our plastic injections in-house. For small quantity manufacturing, we use our own workshop. For bigger quantities and more complex projects, we use our partner contract manufacturers.
Quality Management	Factory audits, product inspections
Test & Certification	Functional and performance tests, safety and reliability tests, certifications.
Total Project Management	From the design to the manufacturing stage, we manage the whole project for you. Maximum 5 projects/year – concentrated on each. Charged by monthly management fees.
Sourcing	We can source components, semi-finished and finished products, machinery

EXPERTIES



CONSUMER ELECTRONICS

IOT

WEARABLES

INDUSTRIAL ELECTRONICS

CAPABILITIES



CONNECTIVITY

Ingress Protection (IP) ratings guide

Solids

1 Protected against a solid object greater than 50mm such as a hand.



2 Protected against a solid object greater than 12.5mm such as a finger.



3 Protected against a solid object greater than 2.5mm such as a screwdriver.



4 Protected against a solid object greater than 1mm such as a wire.



5 Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.



6 Dust tight. No ingress of dust. Two to eight hours.



Water

1 Protected against vertically falling drops of water. Limited ingress permitted.



2 Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.



3 Protected against vertically falling drops of water. Limited ingress permitted.



4 Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.



5 Protected against jets of water. Limited ingress permitted.



6 Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.



7 Protection against the effects of immersion in water between 15cm and 1m for 30 minutes.



CLOUD

APP

AI

EDGE AI

FIRMWARE

SOFTWARE

PLASTIC

METAL

GLASS

FABRIC

MATERIALS

OUR WORK

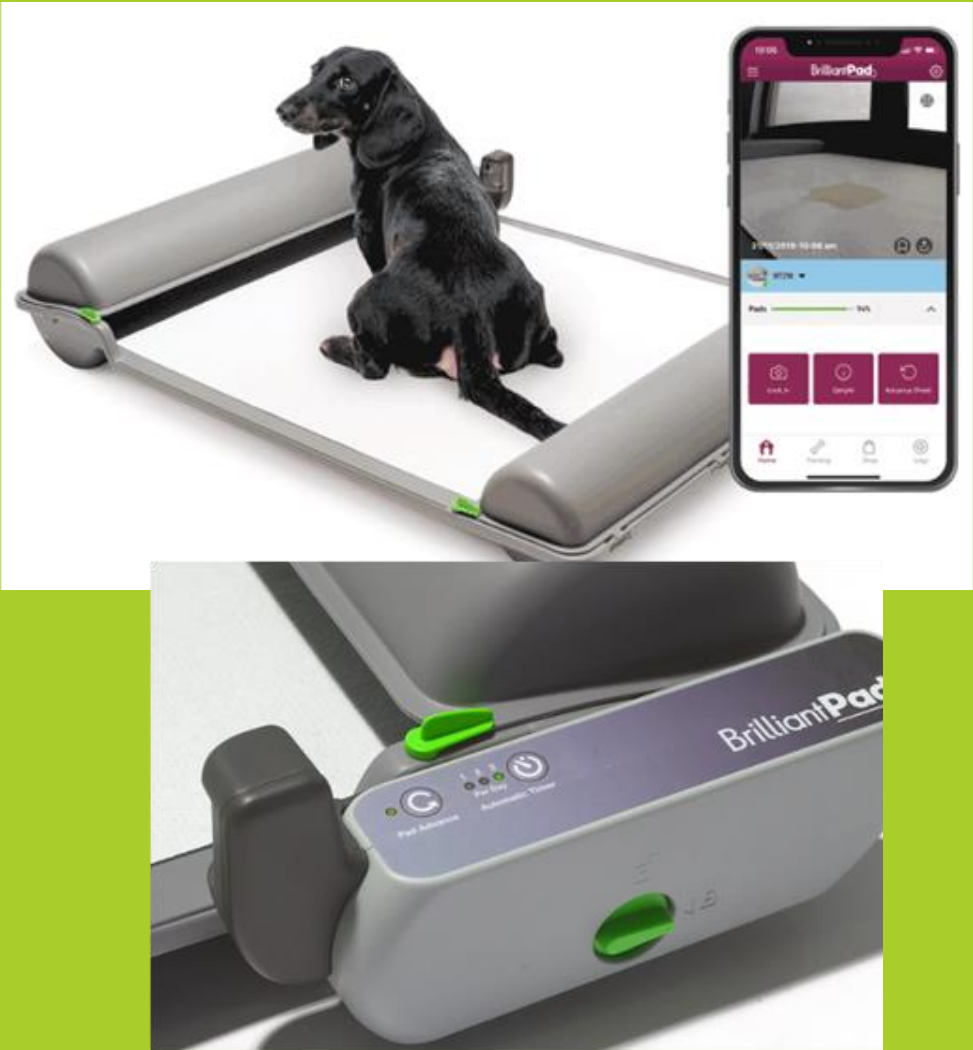
Industrial & Mechanical design, Electronic & Firmware, Manufacturing



BATTALION™
Rover **X**
World's First Smart Toolbox



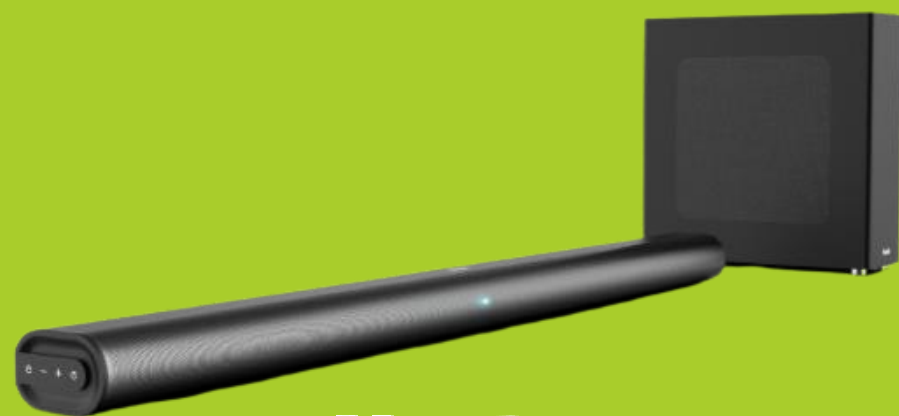
BATTALION™
Rover **HEAT**
World's First Smart Toolbox with Heating



brilliantpad 
Smart indoor dog potty with AI

OUR WORK

Industrial & Mechanical design, Electronic & Firmware, Manufacturing



Hualu

2.1 Soundbar with wireless subwoofer



WAVEE

Bluetooth speaker w/ electric toothbrush



boyPlast

Kitchen mixer controller board



SIDEKICK

Smart control massage ball with Bluetooth



bitberry

Smart scanner monitor

OUR WORK

Industrial & Mechanical design, Electronic & Firmware, Manufacturing



2in1 Bluetooth speaker and headset



Coffee Machine



Wi-Fi speaker with Google voice assistant



TWS Earphone



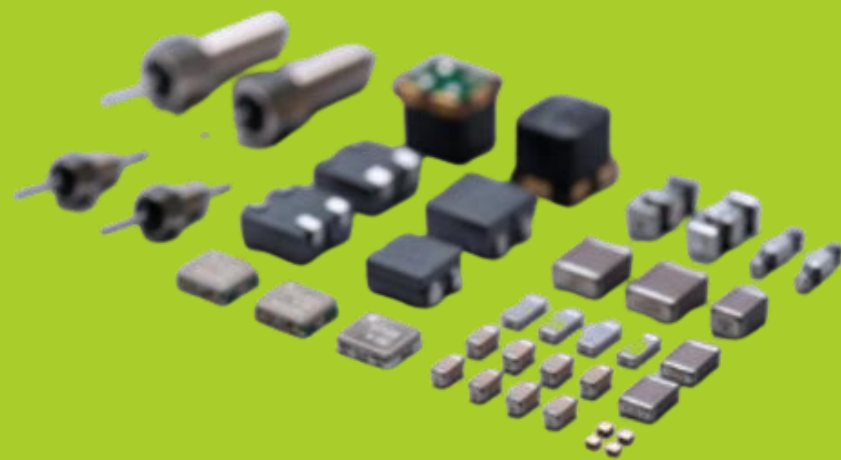
DAB Radio with Bluetooth



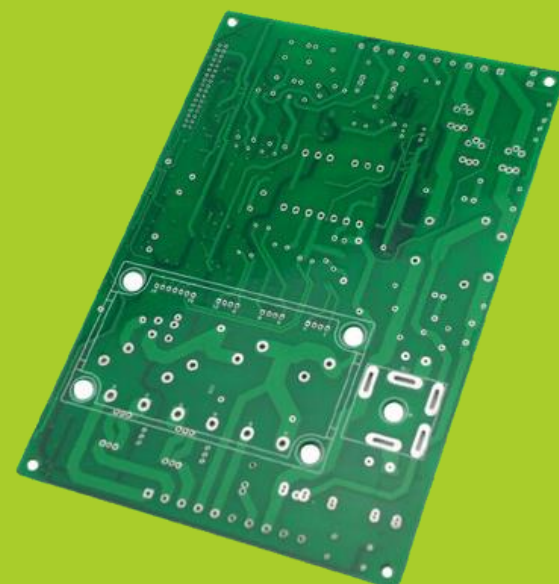
360 degree sound Bluetooth speaker

OUR WORK

Sourcing, Manufacturing (components, machinery, finished products)



Components



PCB & PCBA



Modules



Motor



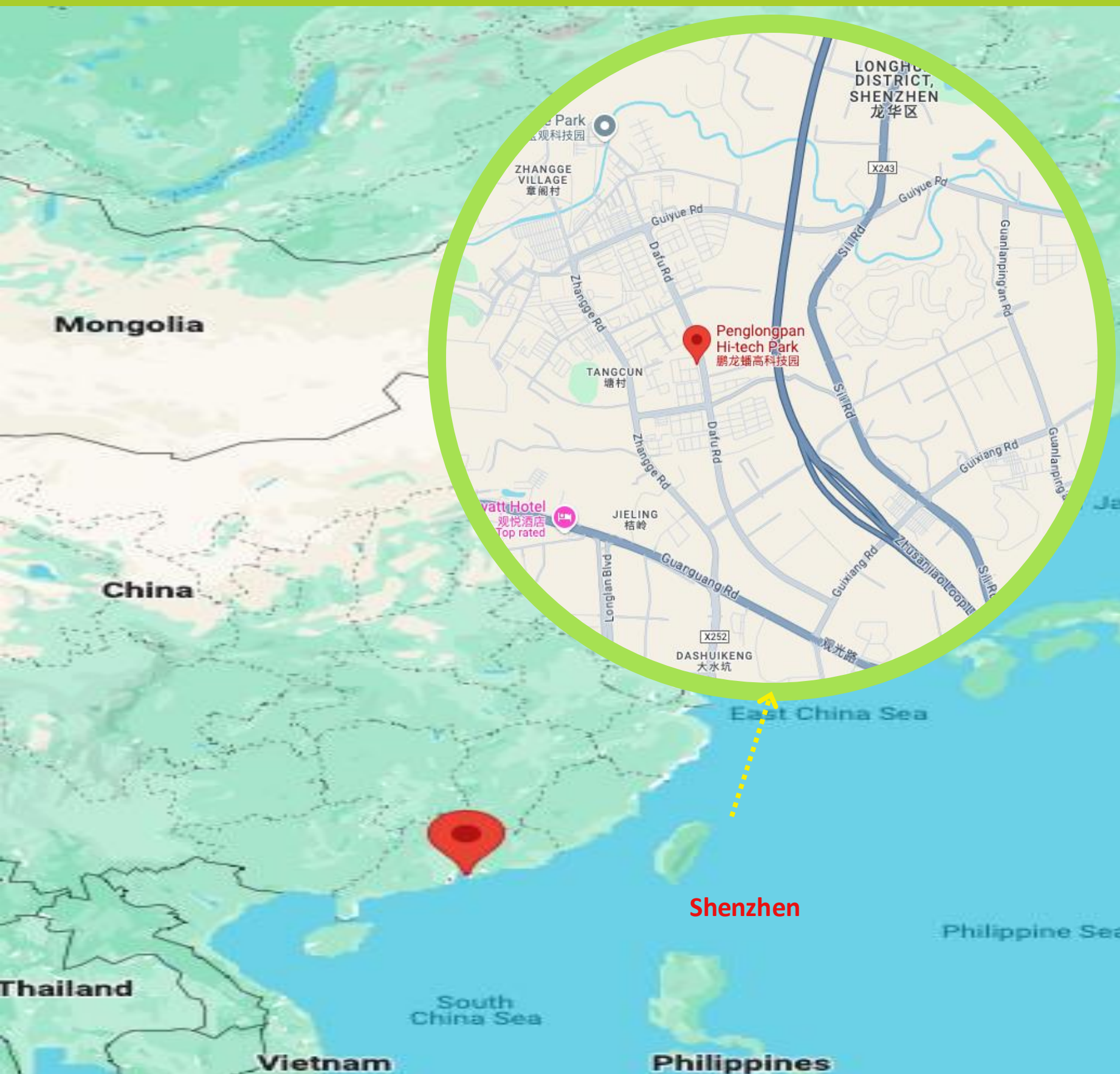
Battery & Battery Packs



Machinery



DC EV Charger



CONTACT US

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