

WHANLONG ELECTRIC VEHICLES

CUSTOMIZATION / INNOVATION / SPECIALIZATION



www.whanlong.com

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FUTURE DEVELOPMENT

ABOUT US

Growing up with the DNA of automotive industry

36YEARS

Industrial experience

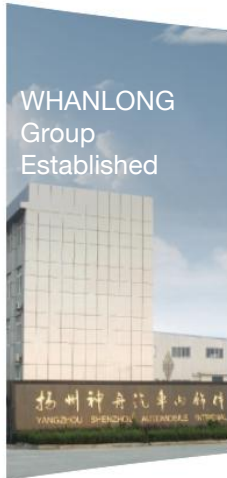
SINCE
1987



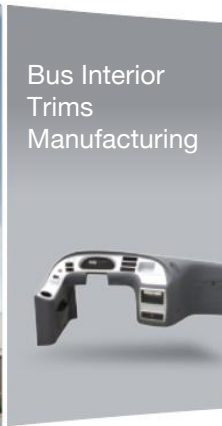
WHANLONG HISTORY

Yangzhou WHANLONG Electric Vehicle Co., Ltd.

1987



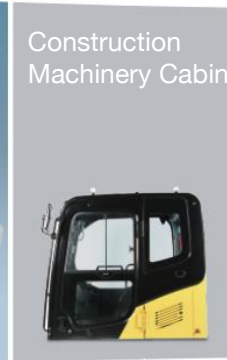
1990



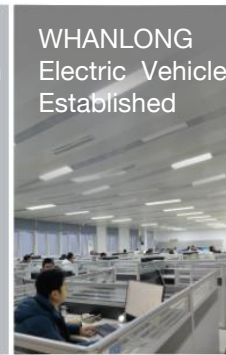
2000



2004



2008



2009



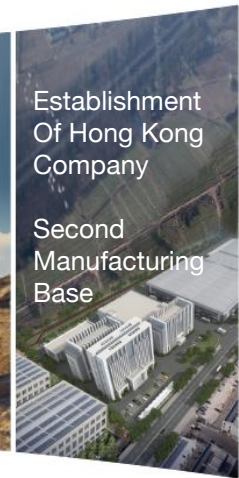
2021



2022



2023



333,000m²

Factory area

300m USD

Annual sales revenue

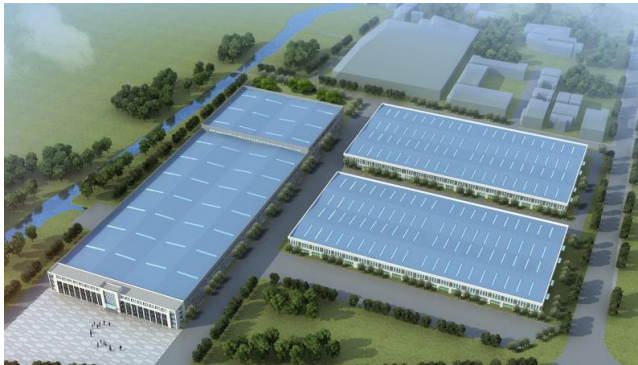
2000+

Employees

100,000units

Annual production

Three Major Bases



JIANGDU PLANT

Yangzhou International Airport Industrial Park,
Yangzhou city, Jiangsu, China.

Area: 60 Acre



HANJIANG PLANT

Hanjiang Beishan Automobile Industrial Park,
Yangzhou city, Jiangsu, China.

Area: 22 Acre



RESEARCH INSTITUTE

20th Floor, Tiancheng Times Business Plaza, 58
Qinglonggang Road, High-speed Rail New Town, Suzhou city,
Jiangsu, China.

Area: 2000m²

Product Portfolio



Electric vehicles



Driver's cabins



Body covers



Car interior trims



GOLF CART



UTV



ATV



GO KART

Electric Vehicles



Construction Machinery Cabin



Excavator cabin



Construction crane cabin



Loader cabin



Road machinery cabin

Interior Trims

Body Covers



Injection-molded product



Stamping product



Foaming product



Vacuum forming product



Road roller body cover



Road scraper body cover



Loader body cover



Excavator body cover

PRODUCT LINE



ELECTRIC GOLF CART

VEHICLE WEIGHT 1102 pounds

WHEEL BASE 67 inches

BEAUTY OF CLASSICS

Experience the beauty of classics
and indulge in comfort.
Feel the perfect combination of
elegant lines and comfortable seats.
Enjoy the charm of golf!



MODEL D



BEAUTY OF IMPRESSION

The wing-shaped DRL lights cross the front grille and are paired with layered headlights, emphasizing the sense of hierarchy and highlighting the visual effect of the front face.



MODEL F

BEAUTY OF PURITY

Simple and bright, close to nature

Pure and elegant, with unique taste.



MODEL J

Beauty of Mechanics

The outward expanding armor grille fits the upward headlights, paired with the sharp lines of the front face, exudes a majestic aura that echoes the rugged appearance.

Showcasing the beauty of mechanics to the fullest.



MODEL Y

Beauty of Design

Closed front face design, paired with a "black warrior" style painting, creates a mysterious and cool appearance.



MODEL B

ELECTRIC UTV

Acceleration performance
0~37mph =2.6s

There are two options, fuel and electric,
to meet the different needs of users.





High definition 360 degree panoramic image
Smartphone wireless charging and projection
intelligent central control screen



ELECTRIC KIDS ATV

Acceleration performance
 $0 \sim 28\text{mph} < 9\text{s}$

Range 31 miles
Lithium Battery: 2.1 kWh



WAE
3



ELECTRIC GO KART

Accelerate To Full Speed In 6 Seconds

Dynamic Drift

Three top speed choice
Suitable For Different Age
From 6 To 10 Years old



WKE
3

R&D CAPABILITY

With 20 years of EV design experience



Introduction of R&D Team

R&D Staff **150+**

PHD **10%** Master **20%** Bachelor **70%**

Over 10 years of industry experience **60%**

Patents **200+**

20 YEARS EV design experience

R&D BUILDING
2000m²

Prototyping Workshop



EV Research Institute



EV industrial design



Industry-leading suspension system



Diversified interior customization



Self-innovate lithium battery system



Over 20 years of experience in motor design and application



Over 20 years of experience in electronic control design and application



Diverse Team

Team members come from various fields, including mechanical engineering, materials science, automation engineering, and other professional backgrounds.

Production Process Optimization

Continuously optimize the production process by introducing new techniques and technologies.

Achieving Full Production Line Intelligence

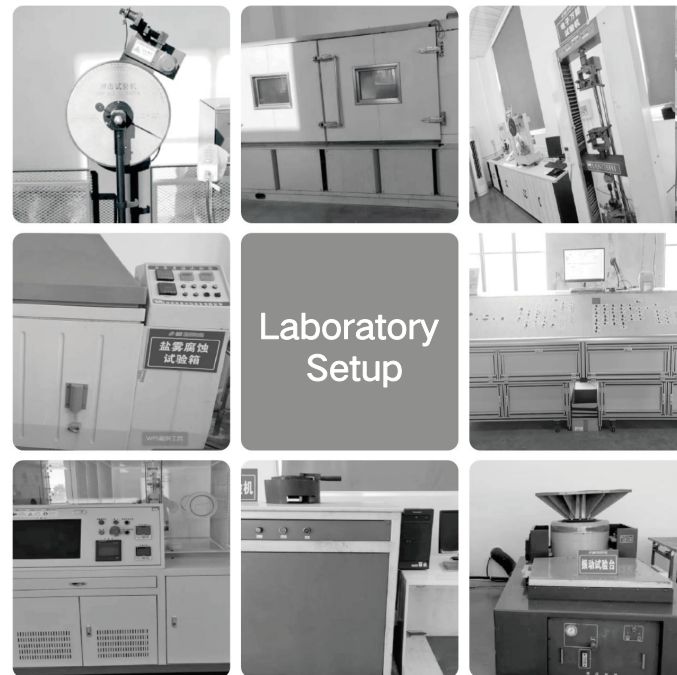
Integrate cutting-edge technologies into the manufacturing process to enhance the level of automation.

Process Technology Center



Laboratory Center

28 sets of specialized testing and inspection equipment



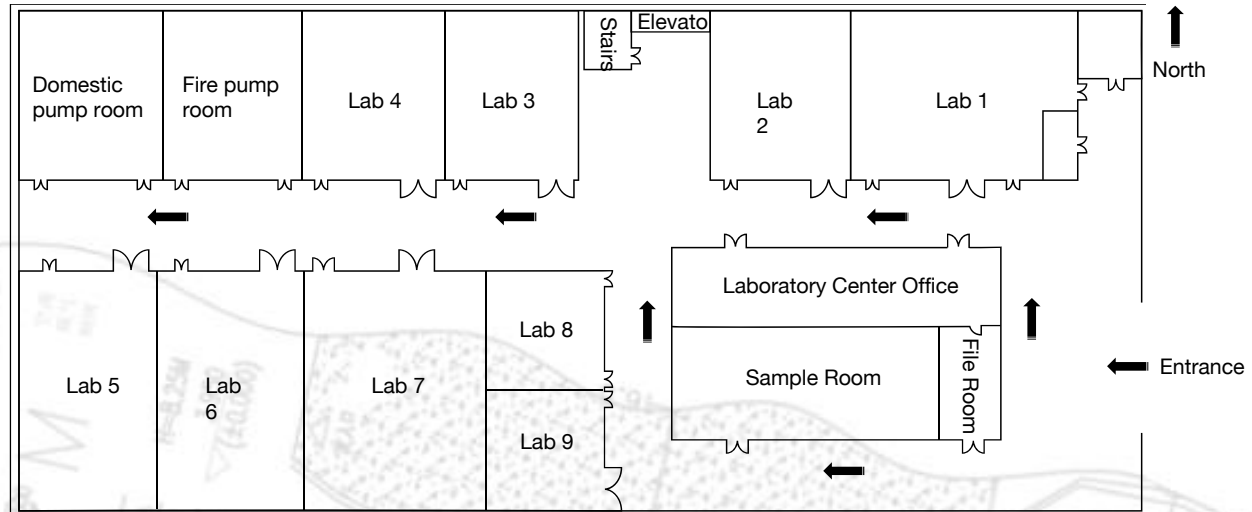
Electric Vibration Table, Salt Spray Corrosion Test Chamber, High-Low Temperature Test Chamber, Cupping Test Machine, Colorimeter, Gloss Meter, Wire Harness Tester, Air Tightness Tester, Cooling Impact, and more.

Future Experiment Center Planning

58 Experimental Projects

24 Road Type Spectrums

Planning to invest 30 million RMB



R&D Projects With Universities



PRODUCTION PROCESS

Whanlong has a complete production line for stamping welding, painting, and final assembly.



STAMPING & CUTTING

We have multiple stamping production lines, the largest of which is a 2000-ton four-sequence pressing line and a 1200-ton six-sequence pressing line.



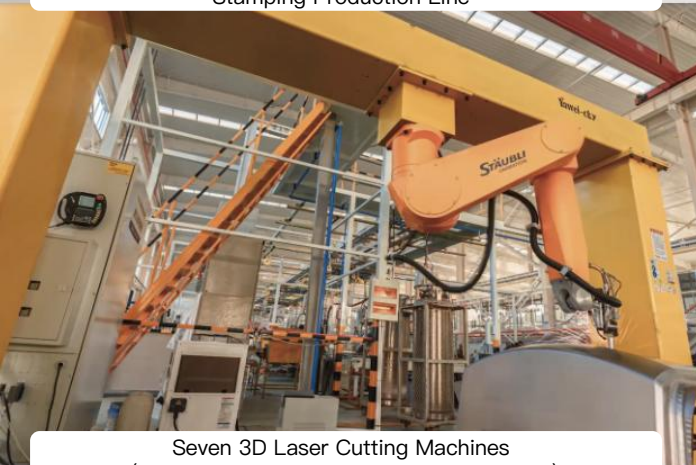
First Workstation 2000-Ton Four-Sequence Stamping Production Line



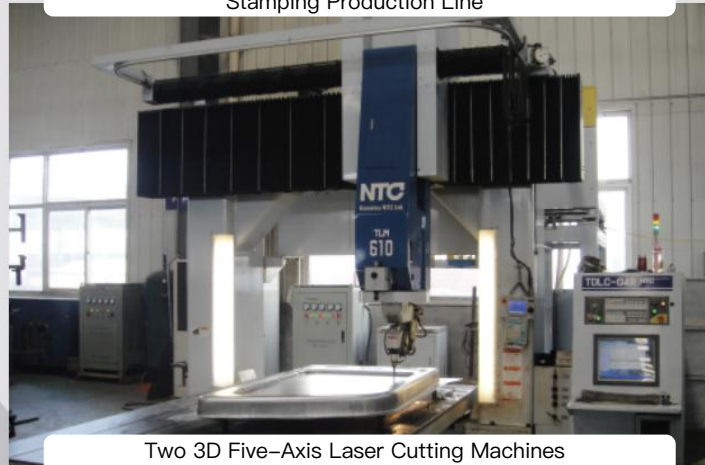
1200-Ton Six-Sequence Stamping Production Line



Three Flatbed Laser Cutting Machines (6000W, 4000W, 3000W)



Seven 3D Laser Cutting Machines (Three 500W, Two 1500W, 3000W, 1000W)



Two 3D Five-Axis Laser Cutting Machines (2000W)



Mold Stamping Of Metal Parts And Covering Parts



INJECTION MOLDING

We have multiple large injection molding machines for covering parts processing.



WELDING We adopt fully intelligent robot welding technology





PAINTING

Equipped with a fully intelligent and automated painting production line



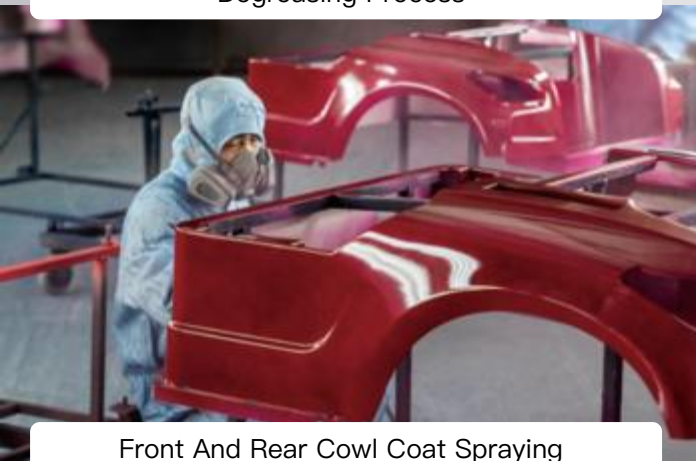
Degreasing Process



Silane Process



Chassis Electrophoresis Process



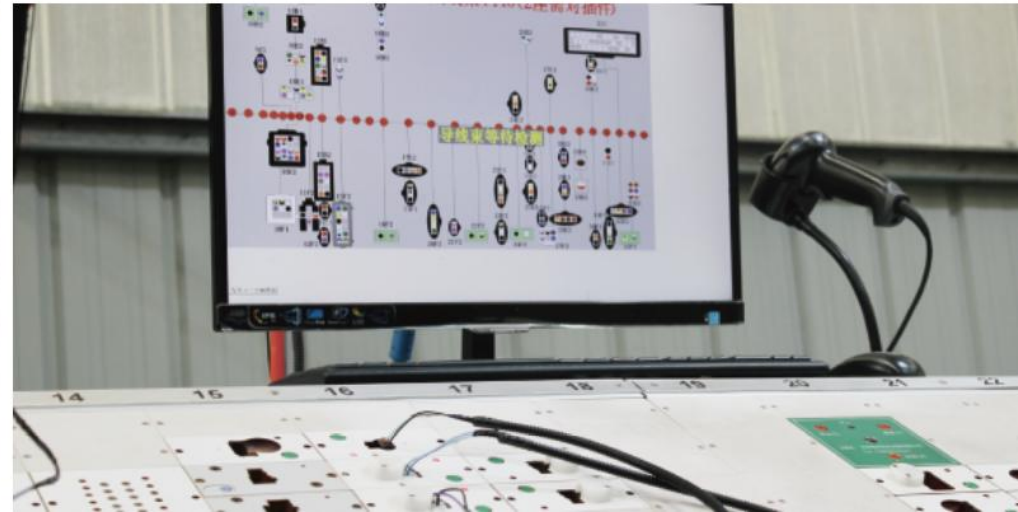
Front And Rear Cowl Coat Spraying



Powder Painting Process



Chassis Powder Painting Process



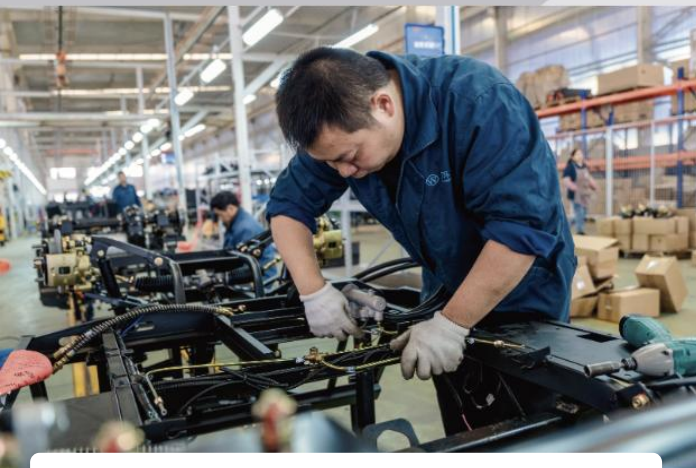
WIRING HARNESS

We operate multiple wiring harness production lines, supported by advanced wiring harness testing platforms, material cutting and coding facilities.



ASSEMBLY

We have two flexible assembly lines, which facilitate the multi-specification and small-batch production.



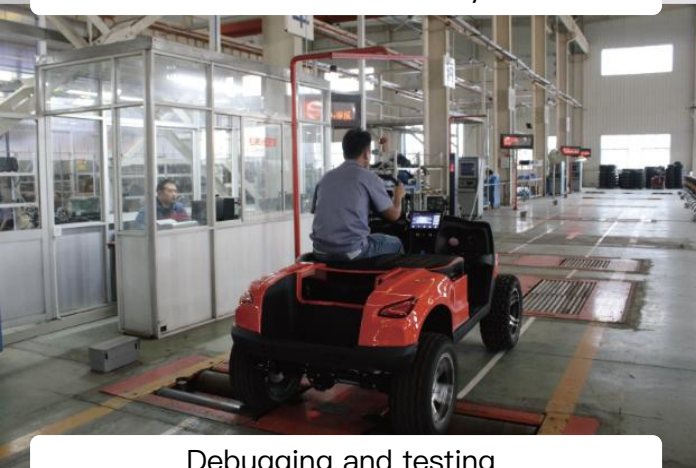
Front hood assembly



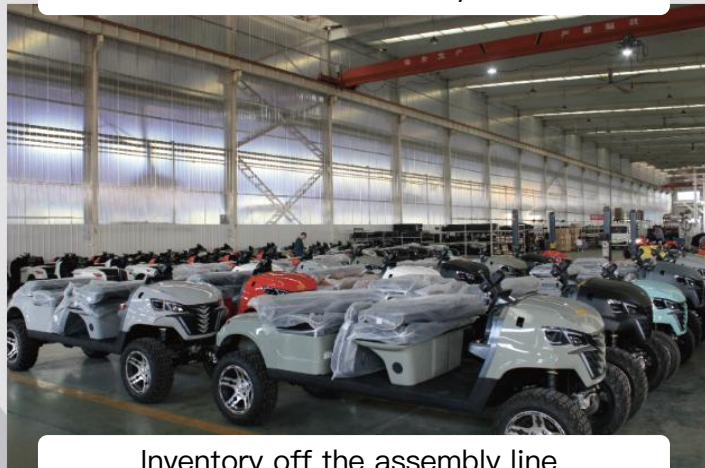
Chassis assembly



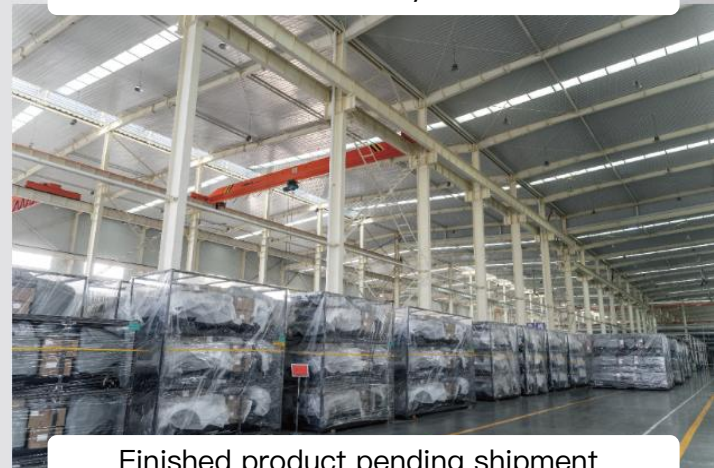
Final assembly line



Debugging and testing



Inventory off the assembly line



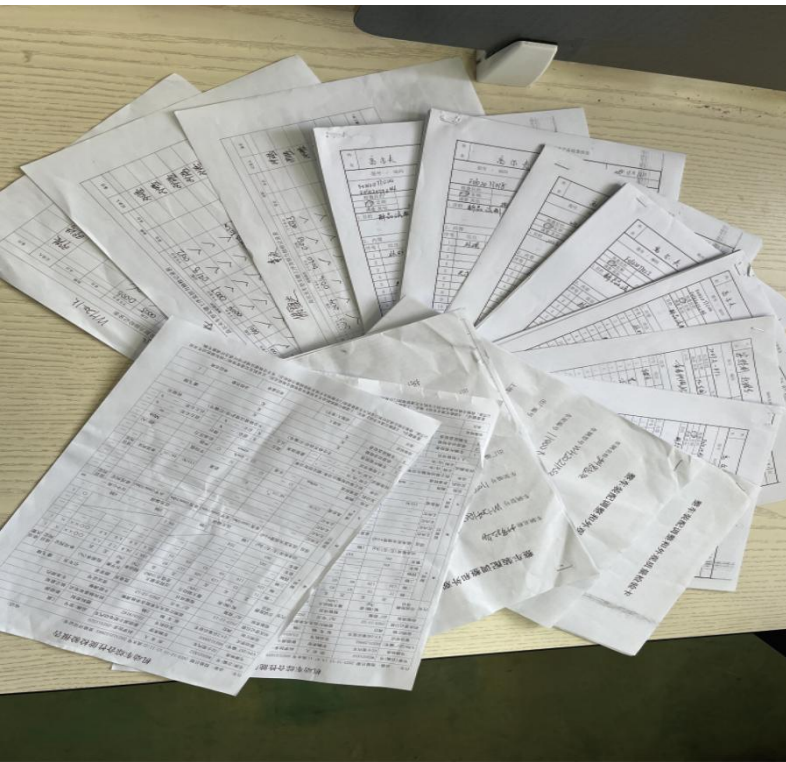
Finished product pending shipment

Vehicle delivery inspection

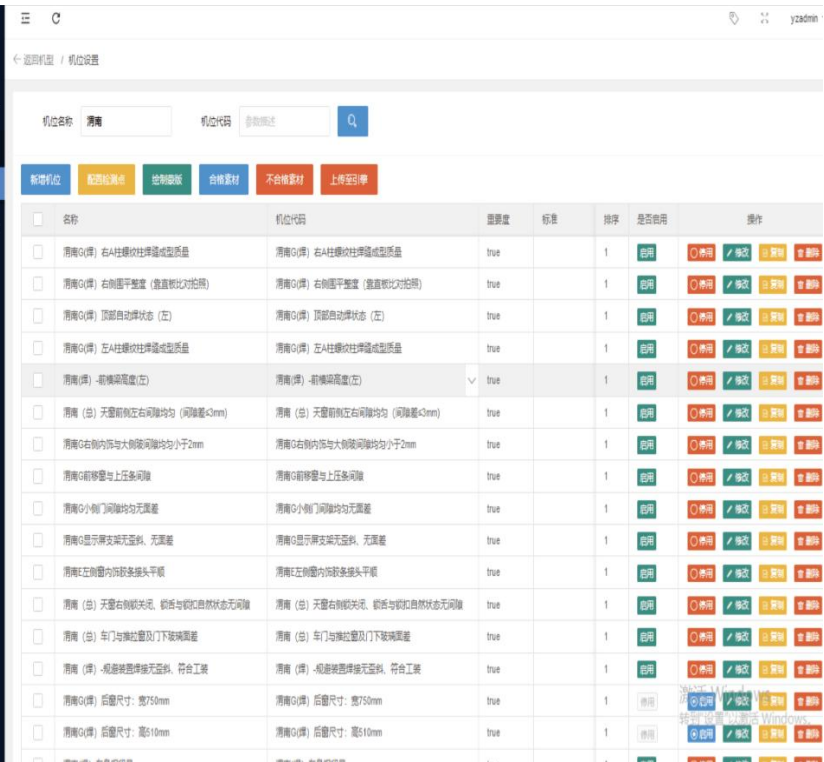
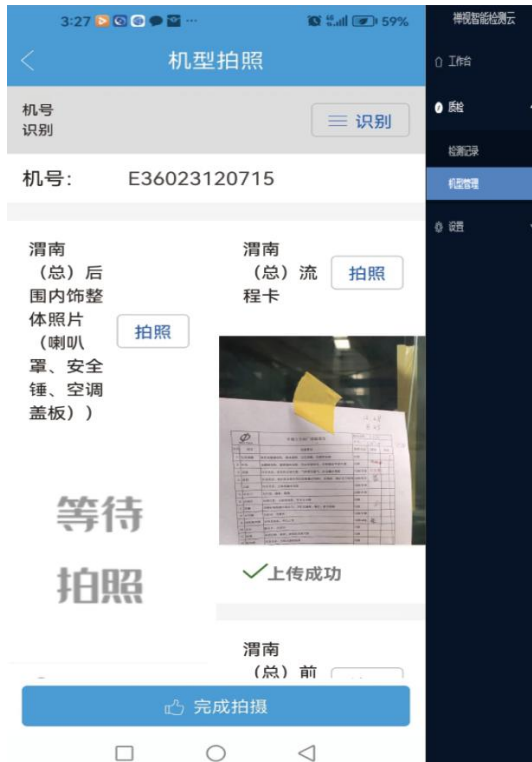


QUALITY CONTROL

IQC coverage rate of 100% initial inspection report. Key and special process control points are included in the photo tracking system, ensuring full process control and facilitating quality traceability.



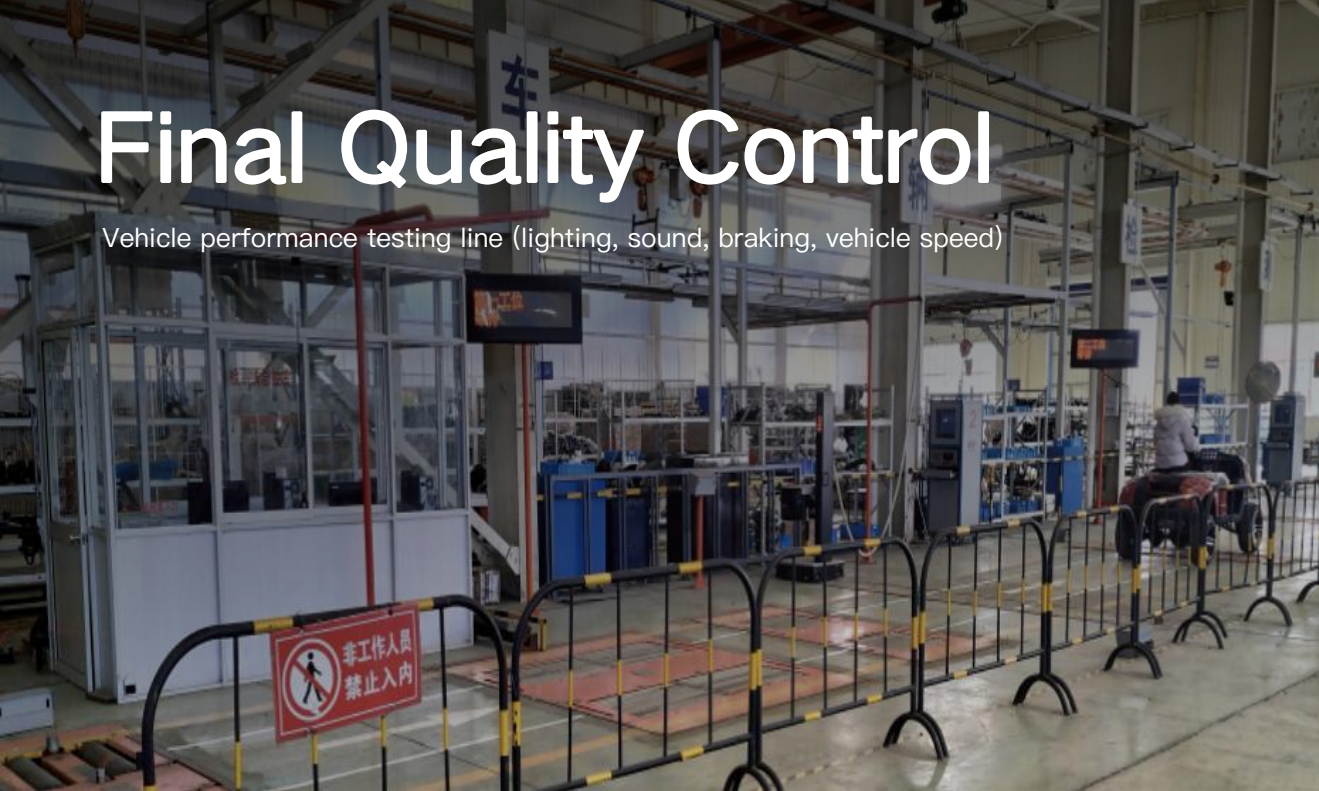
Initial report



Key process monitoring: taking photos, tracking, and tracing

Final Quality Control

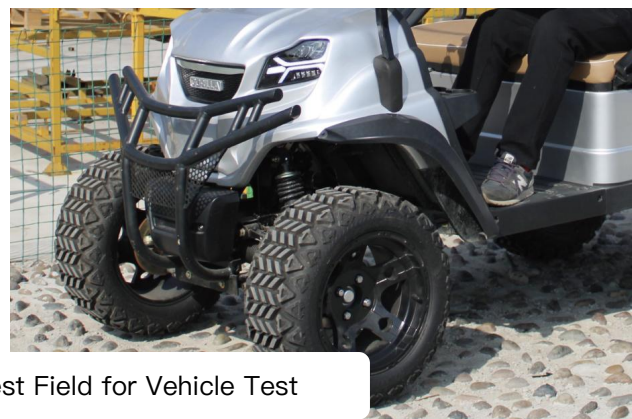
Vehicle performance testing line (lighting, sound, braking, vehicle speed)



High Temperature Test



Low Temperature Test



Comprehensive Road Test Field for Vehicle Test

SUCCESSFUL STORIES

Customization, Innovation, Specialization

Construction Machinery Clients



ZOOMLION



LOVOL

SHANTUI
让施工更简单



Passenger and Commercial Vehicle Customers



中通客车
ZHONGTONG BUS



KING LONG
金龙客车



CHERY

International Clients

HITACHI
Inspire the Next

 **BOMAG**[®]
FAYAT GROUP

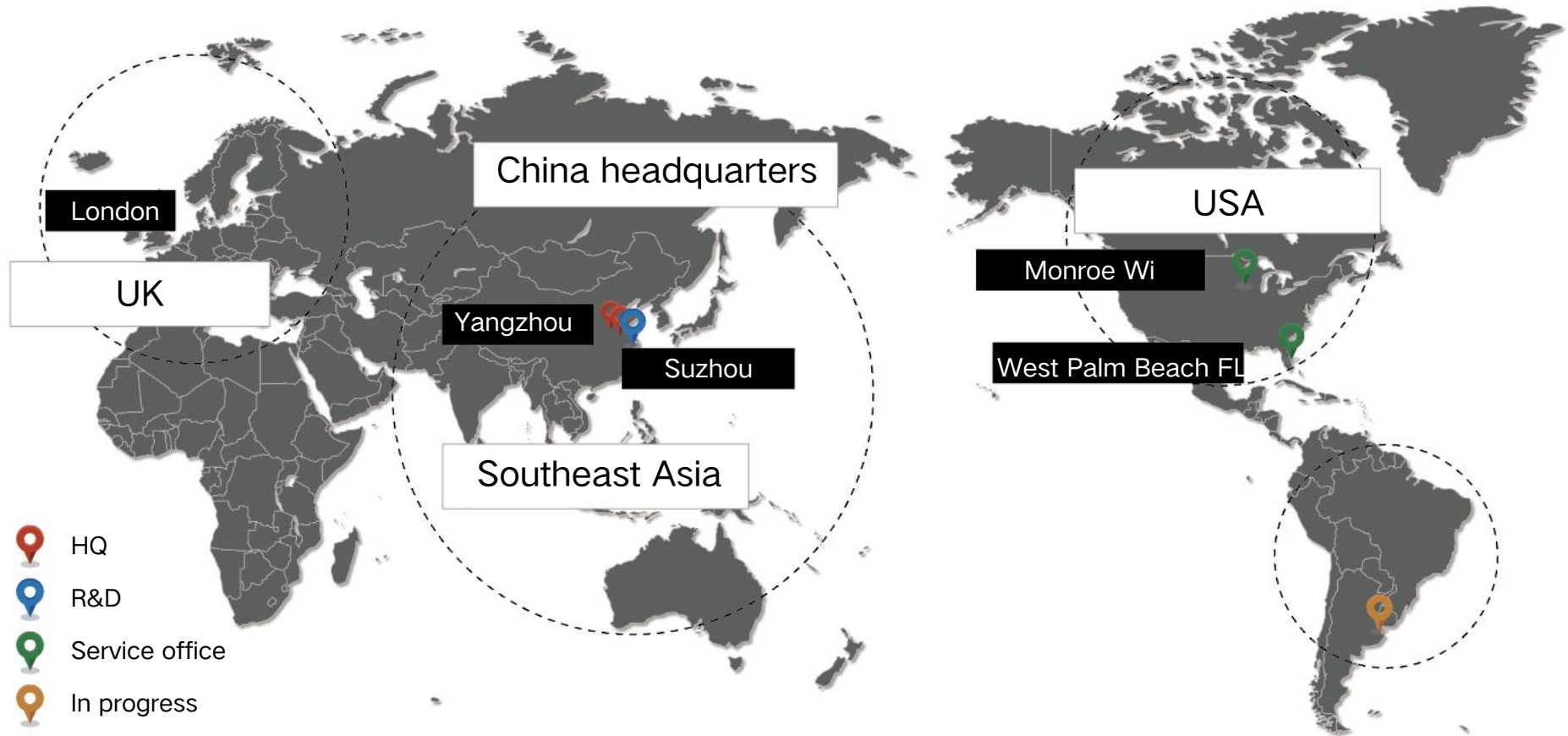
 **WACKER
NEUSON**

 **SAMPIERANA**

FUTURE DEVELOPMENT

Devote to create the best electric vehicle

Global operation footprint



WHANLONG ELECTRIC VEHICLES THANKS



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