

- 1 About Us
 - 2 R&D Teams & Design Capabilities
 - 3 E-Mobility Products
 - 4 Production Capabilities
 - 5 Testing Capability
 - 6 OEM customers
 - 7 Hongji loT Ecosystem
 - 8 SAXY Brand and Products



ILDNOH

%洪記兩輪HONGJI BIKE

HongJi Bike Group was established in 2017. The business being a part of the famous China Moby Group. Hongji Bike group integrated the R&D, production, and supply chain, to operate as a cohesive company, to efficiently serve the fast growing, short distance, intelligent mobility industry (Micro Mobility). The major focus being E-Bike,E-Scooter and electrified mobility products. The manufacturing facility includes its own factory in Chanzhou, and associated manufacturing capabilities, located in Chanzhou and Tianjing.

Hongji Bike Group is an internet-oriented company, and the group is famous for its innovative design and product

Hongji Bike Group is an internet-oriented company, and the group is famous for its innovative design and product development. Hongji's E-Bike designs, have won several world class, top-tier awards.

Hongji Bike Group is growing exceptionally fast, with an annual growth rate of more than 300%. The group works with famous brands and customers, including Bird, Pure Group, Hypro Group, SFlow Group, amongst many others from around the world.

ILDNOH

Hongji is dedicated to generate innovative Micro-Mobility products, playing a leading

role in the industry.



Mission

Competitiveness

R&D, Manufacturing capability, Integrated supply chain system of micro-mobility industry.

We are currently the most professional service provider of two-wheel intelligent transportation overall solution in China.



R&D innovation



Trial development



Mass production



Global supply chain



Global sales



Brand operation

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HONGJI



Japan R&D Centre for High end E-MTB (12 People)

FS Former Honda Motor Co., Ltd. HGA Dep. R&D Manager

• 35+ years experience in two wheeled vehicle's development, quality management and electric drive development.

Murata Honda Asuka Research Institute. Body design

• 30+ years experience in. Motorcycle frame design, body CAE analysis, appearance design.

Kanno Honda Asuka Research Institute. E-drive structure design

• 15+ years experience in E-drive drive system design, E-bike

Wuxi R&D Centre For Two-Wheel E-Mobility (140 People)

Bruce Former VP & co-founder of Mobike

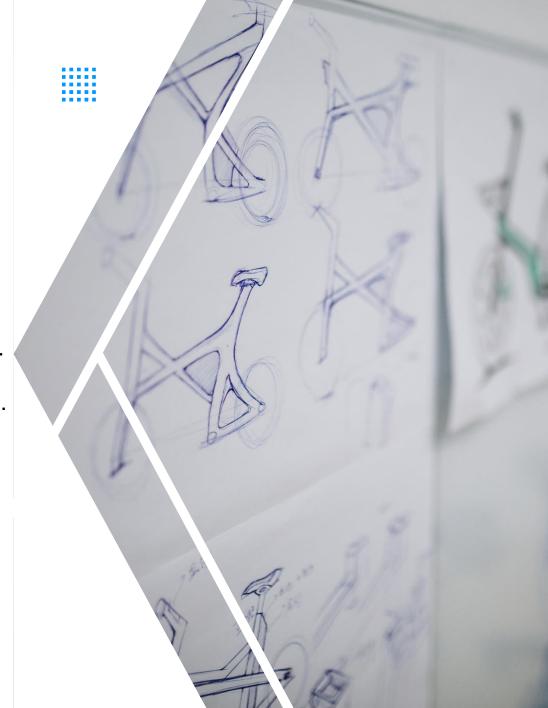
- Designer of Mobike 1st classic bicycle with single arm shaft drive:
- 20+ years experience in 2-wheeler vehicle R&D;
- Rich experience in non-ferrous metals and pressure sensors, obtained multiple patents in Europe, the United States and Japan.

Wujun Former GM of Mobike Wuxi factory

- Build a 1,000-person team in 3 months;
- 10+ years experience in vehicle structure/drive system R&D;
- Led a team to integrate supply chain, producing 3M sharing shaft-drive bicycles within one year.

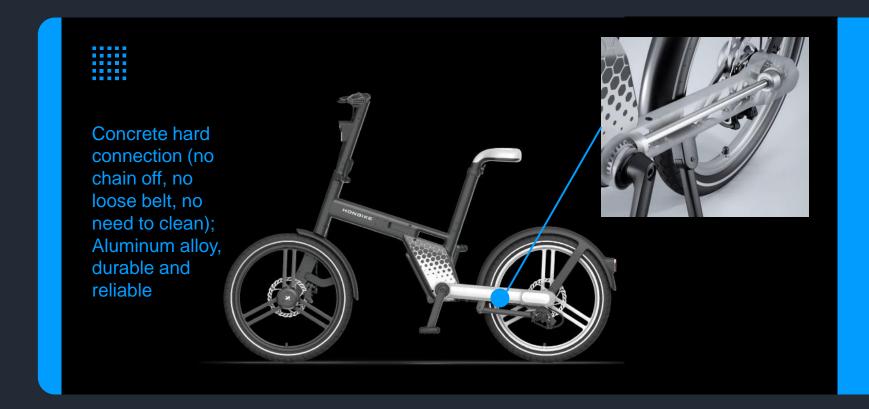
R&D Concept

- The best way to reduce cost is through innovative design.
- The essence of efficient production is through good design.
- The best way to attract attention is through superior design.



R&D – Automobile Design Experts to Two Wheels Electrified Business





02

Patented single side shaft drive technology



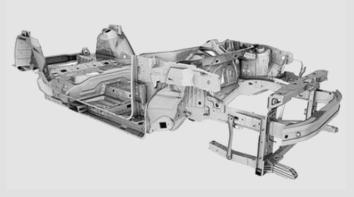
The introduction of carbon fiber extrusion technology makes the quality of carbon fiber frame consistent with aluminum alloy.



03

The best way to reduce cost is through innovative design

The introduction of special aluminum alloy from the automobile industry has doubled the capacity for aluminum frame production.





04

Efficient production is achieved through innovative design



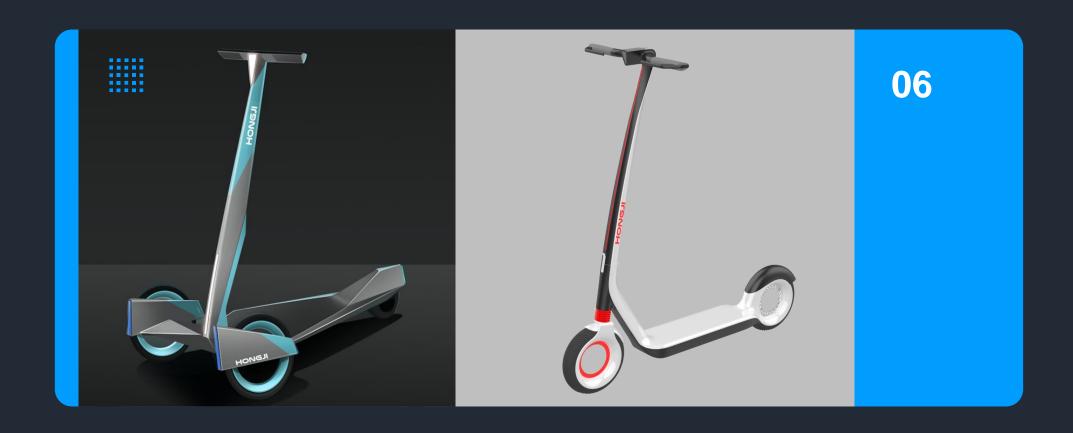
Distributed Production:

- To design the whole vehicle into separate modules;
- Each module is a complete set to be delivered to the production line.

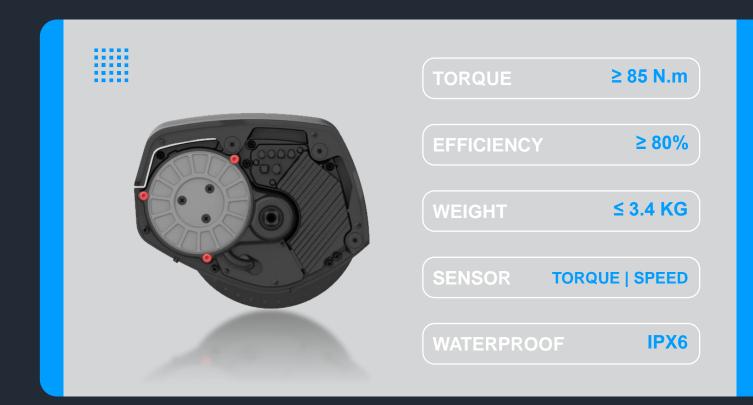


05

Efficient production is achieved through innovative design

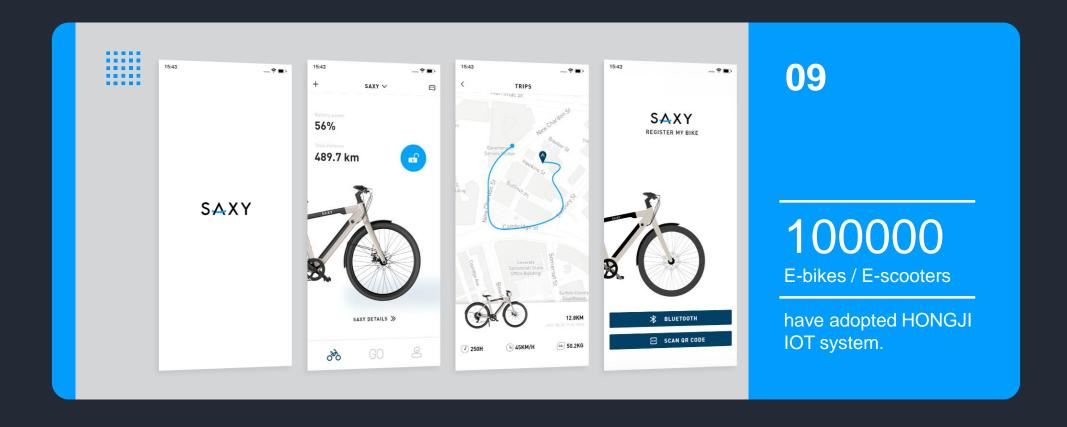






08

Years of experience in R & D and design of mid drive system.
The latest design makes core components such as cell and controller into modules. By removing a few screws the user can replace parts, and solve issues.



Worldwide Recognition

110 18

patents.

international awards

as Red Dot, IF, G-mark, IDEA, Goldreed Industrial Design Award and Gold prize of Red Star Design Award etc.









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E-bikeProducts





Scooters







Consumer model



Cost performance model

HONGJI

NewScooters







NewScooters







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Affiliate
Manufacturing BasesTianjing CN

Affiliate
Manufacturing BasesChangzhou CN

Affiliate
Manufacturing Bases-**TAIWAN**

Affiliate
Manufacturing Bases-**Europe**

Hongji has been developing and producing sharing/ consumer-end Bicycle & E-Bike & E-Scooters for top tier players in the world. Our Production capability is second to none in China. We are fast to respond to both large and small batch orders with customization requirement. Hongji team has ever produced

3.5M Mobike Classic.

The capacity reached **60K** pcs/month.









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Manufacturing BasesTianjing CN

Affiliate
Manufacturing BasesChangzhou CN

Affiliate
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Affiliate
Manufacturing Bases-**Europe**

200K pcs/year

Capacity







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Affiliate
Manufacturing Bases-**TAIWAN**

Affiliate
Manufacturing Bases-**Europe**

500K pcs/year Capacity







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Manufacturing BasesChangzhou CN

Affiliate
Manufacturing BasesTAIWAN

Affiliate
Manufacturing Bases-**Europe**

200K pcs/year Capacity







Affiliate
Manufacturing BasesTianjing CN

Affiliate
Manufacturing BasesChangzhou CN

Affiliate
Manufacturing Bases-**TAIWAN**

Affiliate
Manufacturing Bases-**Europe**

Capacity of more than

300.000 pcs/year

Warehouse for

40.000 bikes In the middle of Europe



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In-house Testing Capability- Test Equipments & Test Reports

序号 NO	设备名称 Equipment Item		
1	电子万能试验机 Electronic universal testing machine		
2	際低温交变湿热试验槽 High and low temperature alternating damp heat test char		
3	智能型社务隐性试验箱 Intelligent salt spray corrosion test chamber		
4	车架摄动试验机 Frame vibration testing machine		
5	中轴、曲柄疲劳制试机 BB, crank fatigue testing machine		
6	车把疲劳试验机 handle bar fatigue testing machine		
7	车辆检测台 Ebike inspection platform		
8	消氏硬度计 Rockwell hardness		
9	整车三轴性能检测台 Ebike three-axis performance test platform		
10	PLC控制多功能中击测试机 PLC control multi-function impact testing machine		
11	小型脱力材料试验机500N Tensile testing machine 500N		
12	万能材料试验机 Universal material testing machine		
13	程序控制耐压绝缘测试仪 Program control withstand voltage insulation tester		
14	电工仪器电子负载 Electrical equipment electronic load		
15	前叉静压试验机 Front fork static pressure testing machine		
16	电动自行车快速检验设备 Electric bicycle quick inspection equipment		
17	千分尺 micrometer		
18	直流电机测试系统 DC motor test system		
19	標电池容量检测仪 Lithium battery capacity tester		
20	直流稳压电源 DC power supply		
21	电子负载仪 Electronic load meter		
22	秦克デ波器 Tektronix Oscilloscope		
23	跑步测试机 Running test machine		
24	绘图测仪器*胜利仪器 Drawing measuring instrument * Victory instrument		
25	电机离合器老化测试台 motor clutch aging testing machine		
26	脚踏力动态疲劳试验机 Pedal force dynamic fatigue testing machine		
27	线束拉拔力、疲劳测试机 Harness drawing force and fatigue testing machine		
28	电桥测试仪 Capacitance Bridge Tester		
29	按键疲劳测试机 Button Fatigue Testing Machine		
30	电磁式振动试验台设备 Electromagnetic vibration testing platform		

CD04鞍座疲劳测试报告.pdf	CD04刹把疲劳测试报告.pdf	CD04刹车断电开关疲劳测试报告
CD04刹车断电开关疲劳测试报告	CD04车把横管疲劳测试报告 (202	CD04车把橫管疲劳测试报告2020
CD04车把橫管组件(改进版)疲	CD04车架振动测试报告.pdf	CD04齿轮疲劳测试报告.pdf
CD04充电器(内销版)性能测试	CD04充电器(外销版)测试.pdf	CD04充电器性能测试报告.pdf
CD04传动套螺纹强度 中轴强度测	CD04电池充放电测试报告.pdf	CD04电池锁疲劳测试报告.pdf
CD04电机线束.pdf	CD04电机一体轮静压测试报告.pdf	CD04后轮轮毂静压测试报告.pdf
CD04铃铛盐雾测试报告.pdf	CD04轮胎老化测试报告.pdf	CD04螺丝螺钉盐雾测试报告(2)
CD04螺丝螺钉盐雾测试报告.pdf	CD04螺丝盐雾测试报告.pdf	CD04内销(改进版)充电器测试
CD04前叉冲击测试报告.pdf	CD04前叉疲劳测试报告.pdf	CD04曲柄疲劳测试报告.pdf
CD04尾灯线线束(海固)性能测	CD04尾灯线线束性能测试报告.pdf	CD04系统套件性能测试报告.pdf
CD04线束性能测试报告.pdf	CD04样品电池充放电测试报告 (2	CD04仪表按键疲劳测试报告.pdf
CD04仪表性能测试报告.pdf	CD04油封尺寸与实配测试报告.pdf	CD04折叠器部位线束防夹测试报
CD04折叠器部位线束防夹测试报	CD04折叠器立管组件疲劳测试报	CD04整车老化测试报告.pdf
CD04整车老化测试报告2020.4.28	CD04中轴疲劳.pdf	充电器线束性能测试报告.pdf



In-house Testing Capability



Motor test



Motor power test



Pulling force test



Handlebar fatigue test



Vibration test



Wire bending test



Bike fatigue test



Key lifespan test



Motor power test



Drop test



st Frame fatigue test



Salt spray test



Front fork fatigue test



Battery test





In-house Testing Capability



Material hardness test



Structure hardness test



Temperature & humidity test



Transmission fatigue test









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Hongji IoT Ecosystem

01 #ONE

IoT Platform

Platform structure and Innovation

12 #TWC

IoT product line planning

Describe product line planning, service-oriented, build four core capabilities to promote service-oriented manufacturing transformation

03 #

#THREE

IoT business line full stack

Describe the business line plan and create a comprehensive and full value chain system

]4 #FOL

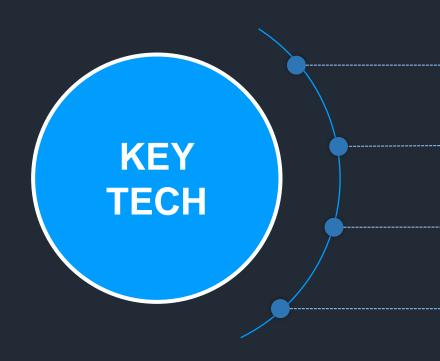
IoT server structure

Describe the server architecture, construct a global network platform, and serve the world **05** #FIV

Appendix

IoT empowerment outlook

APP: "loT+VEHICLE" Key technology and innovation



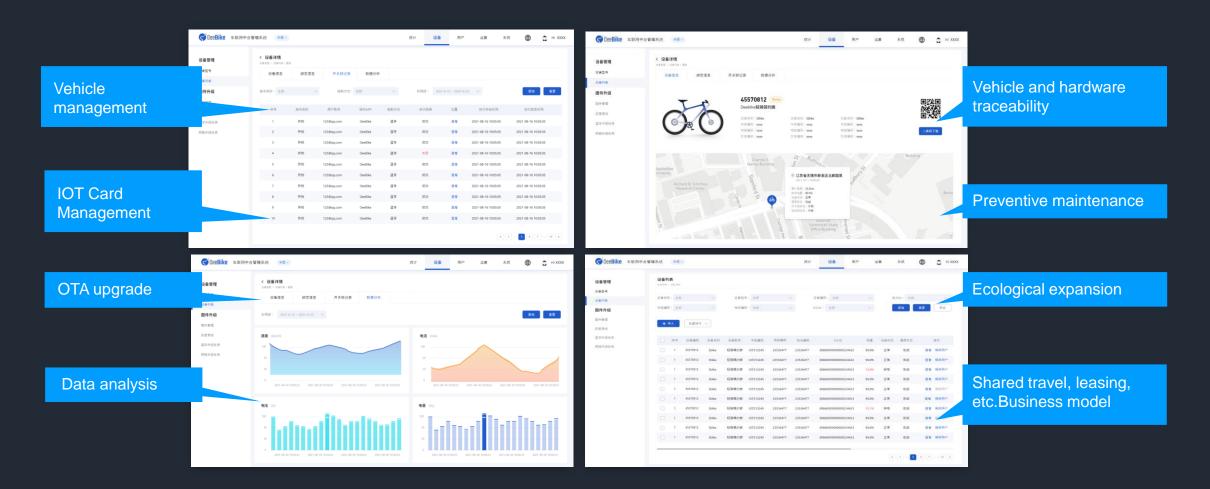
Communication smart module

Mobile APP

Platform management system

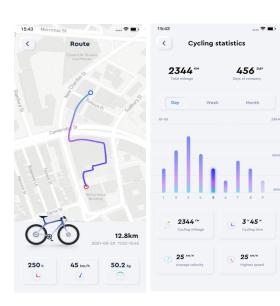
Internet of things communication technology

PLATFORM UI EXAMPLE



APP UI & UX

Convenient







irienas

GPS



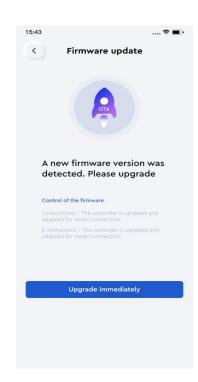
Speedometer in APP



Trace with riding history



Safety





Self check



E-fence

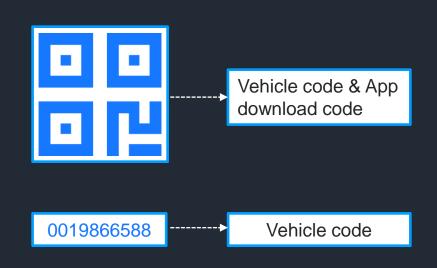


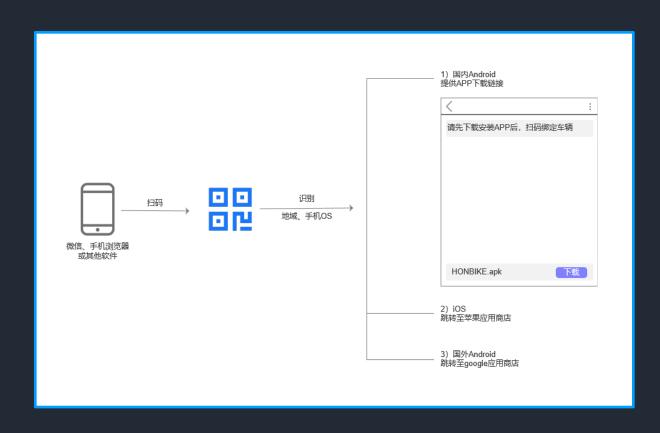
OTA upgrade



Warning

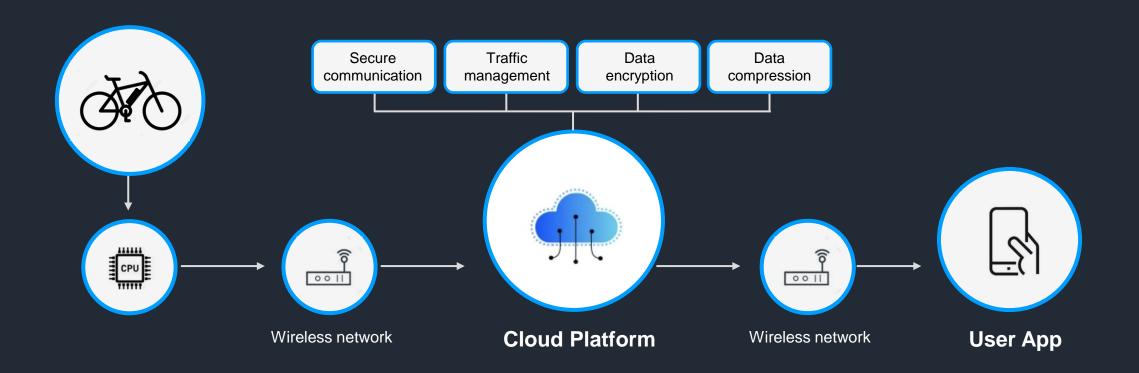
Scancode & binding





"loT+Electric Vehicle" project solution

(Smart terminal + electric vehicle) +IoT+APP=smart electric vehicle Provide cloud-pipe-end (car) management



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The SAXY brand was previously owned by the famous German brand, SACHS. The German Saxy business was founded in 1950 by SACHS, as its gasoline driven motorcycle business brand. SACHS was owned by the world renown automotive business, ZF Friderichshafen AG group.

Hongji bike Group acquired the SAXY brand in 2021 to grow its E-Bike business internationally. For global exposure, the Hongji Bike group will use the SAXY brand name to tap into the global E-Bike business. Henceforth, liberating and transforming the old gasoline driven motor-cycle brand, into the modern electrified era of micro-mobility.

