



Sichuan Yonggui Science and Technology Co.,Ltd

——2026 Version

Technology connects the future



Contents

01 About us

02 Research Ability

03 Quality assurance capability

04 Manufacturing Ability

05 Core Products

06 Key clients & Overseas markets

1. About us—Company introduction



Sichuan Yonggui Science and Technology Co.,Ltd. ▶ ▶ ▶

Sichuan Yonggui Science and Technology Co., Ltd. was established in March 2008 with a registered capital of 150 million RMB and total assets of 2.078 billion RMB. It is a wholly-owned subsidiary of Zhejiang Yonggui Electric Co., Ltd. (Stock Code: 300351).

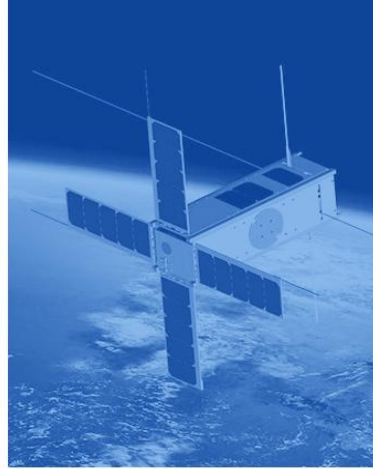
The company occupies over 200 acres of land, with a production and office area exceeding 200,000 square meters. It possesses more than 5,500 units (sets) of various R&D and production equipment. As a national high-tech enterprise, a national intellectual property demonstration enterprise, a national "Specialized, Refined, Distinctive, and Innovative" Little Giant, and a national green factory, the company holds independent core technologies. It provides reliable connector products and technical services for key national equipment industries, and offers specialized solutions for interconnection systems.



1. About us—Product application field

Railway transit: HSR, subway, motor, maglev, etc.

Industry: wind power, solar energy, industrial equipment medical, etc.



Defense: aerospace, missiles, electronic, ships, etc

Special: explosion-proof, deep-water, nuclear power, onshore, aircraft, etc

Vehicle: new energy passenger, commercial, special vehicles, etc

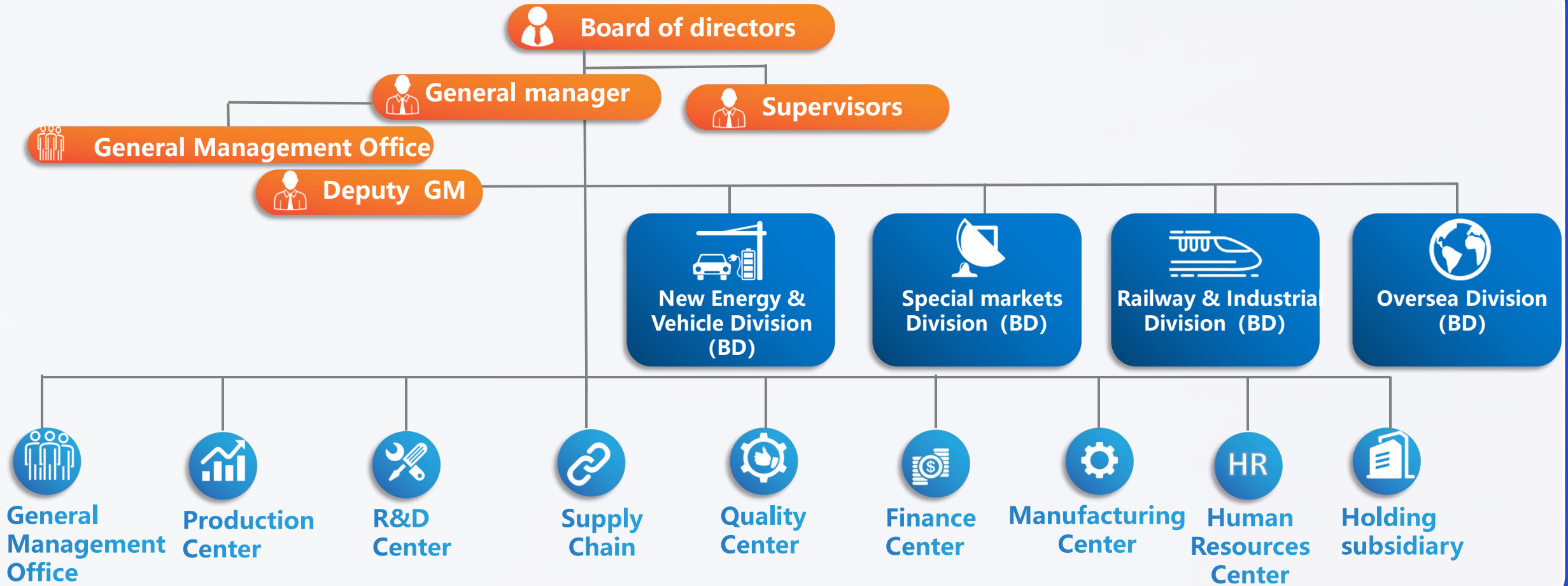
Charging: operating, household, liquid cooling large power, changing electricity, etc

Communication: communication base station, database, module power supply, etc

Energy storage: power system, industrial and commercial energy storage, residential energy storage, etc.



1. About us—Organization structure



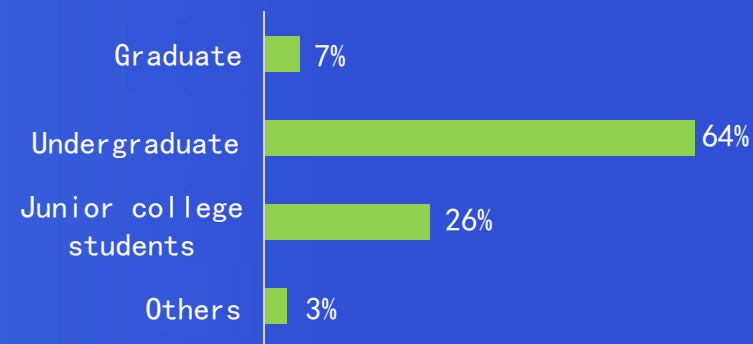
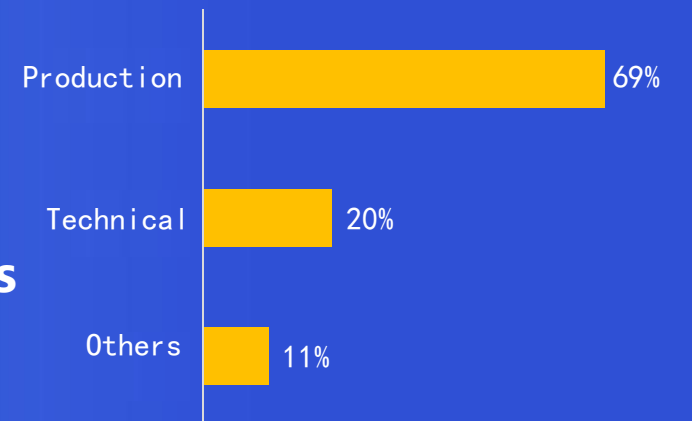
1.About us—Company Team



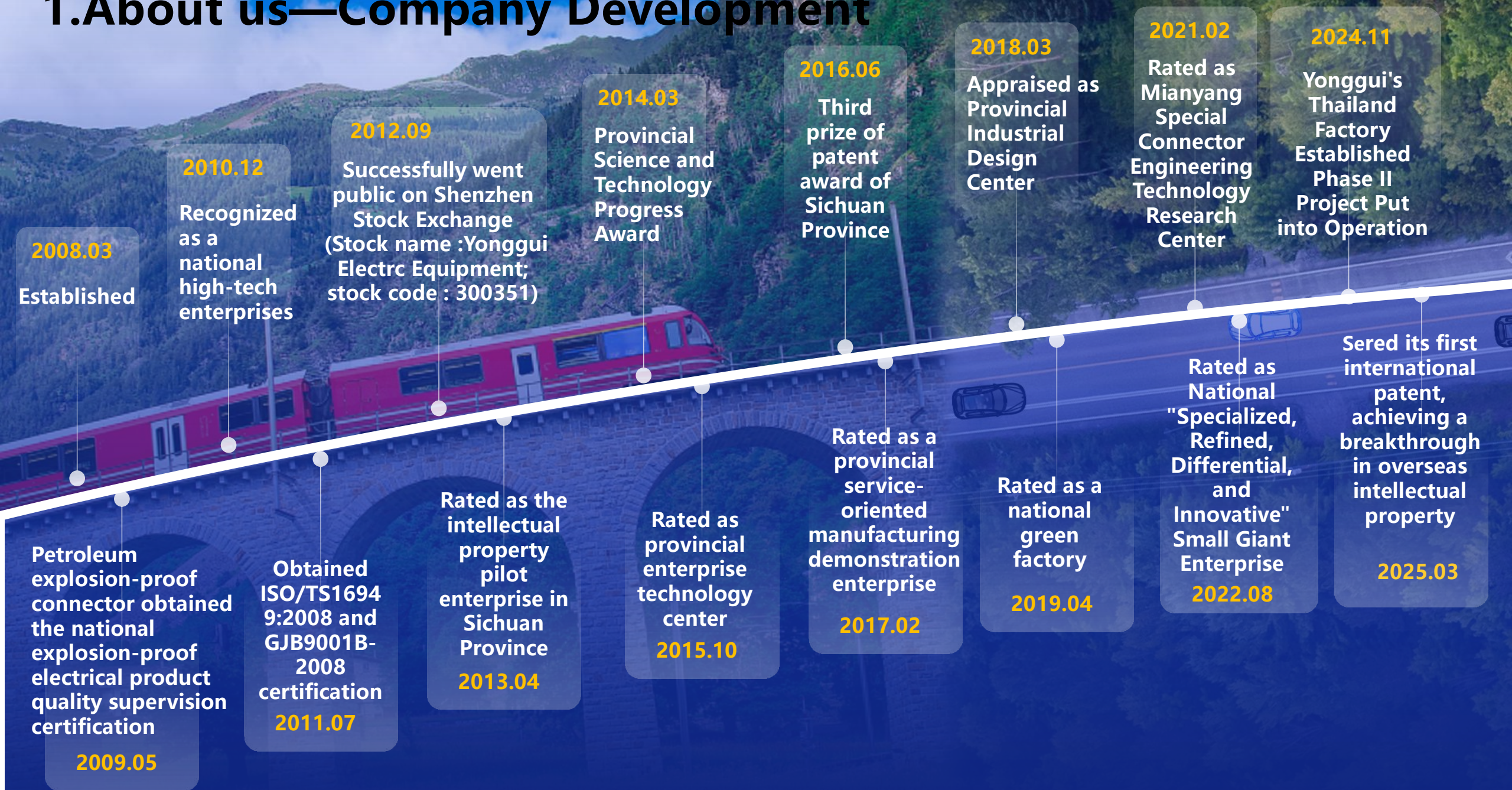
The company currently
has over 3000 employees



Technology
Employees

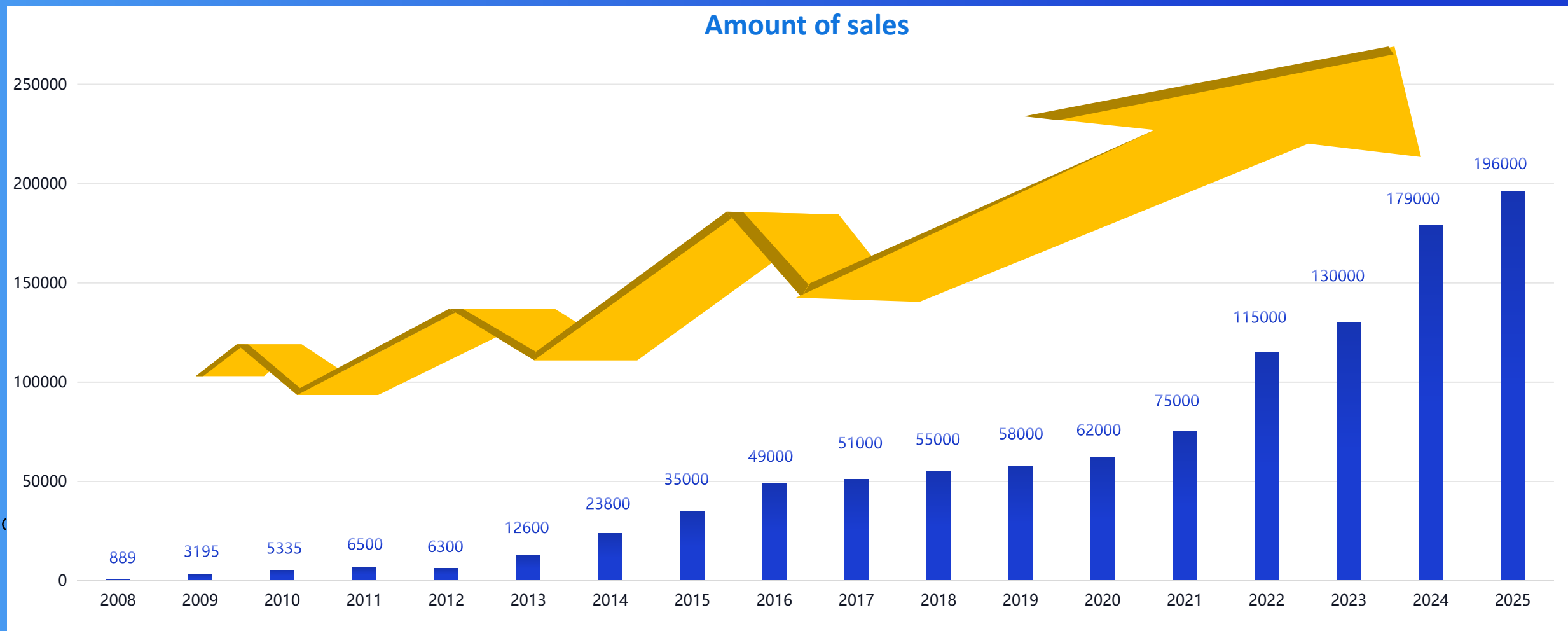


1.About us—Company Development



1.About us—Annual sales revenue

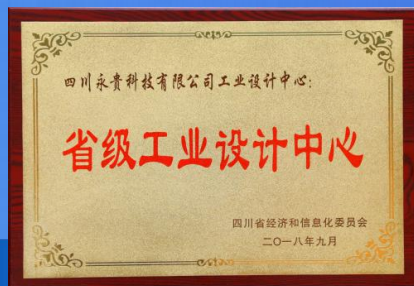
Annual sales revenue statistics since established



1.关于我们—公司荣誉



National intellectual property demonstration enterprise



Provincial industrial design center



National high-tech enterprises



Sichuan Enterprise Technology Center



Changan Excellent supplier award



2017 Top 100 automotive core parts



2019 Best Quality award by VMAX



2020 Top 100 energy storage industry chain



2024 Outstanding contribution supplier by CRRC



2024 SANY Commercial Vehicle Emerging



2024 Excellent partner by Hongtu Smart Energy



2025 Synergetic contribution award by Changan Kaicheng

2. Research Ability — Intellectual Property



86 Invention patents

(3 invention patents granted in the United States and Europe, including German)

496 Utility Model Patents

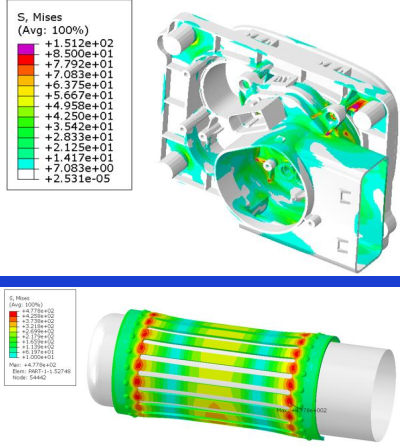
(1 German utility model patent)

67 Appearance Patents

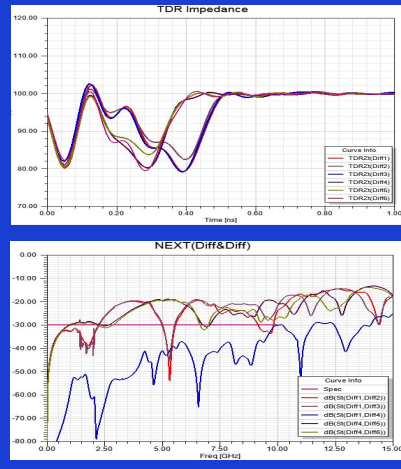
2. Research Ability—CAE Simulation and Analysis Capability



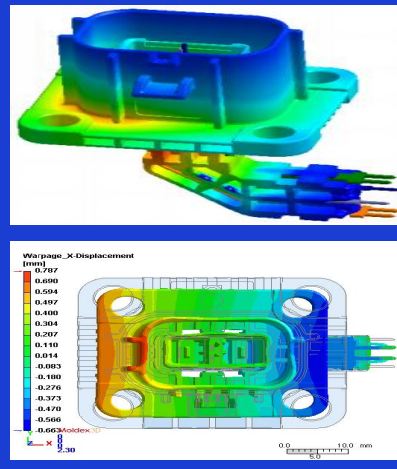
Structural Strength Simulation



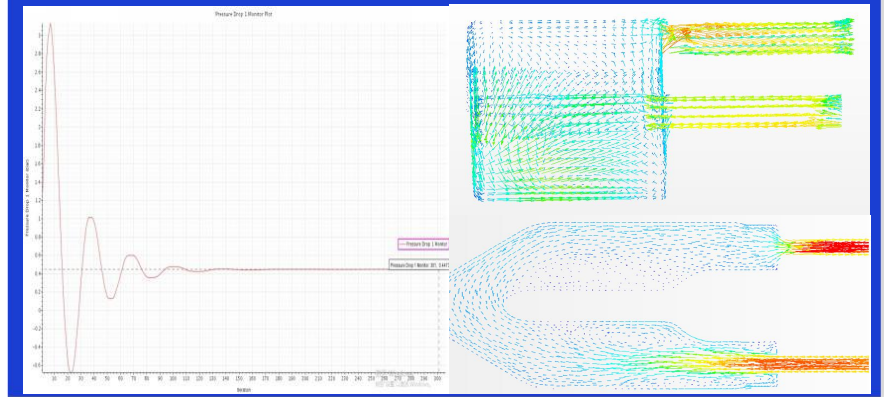
Signal Integrity Simulation



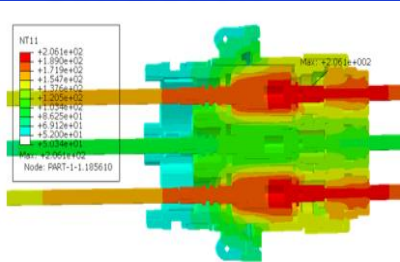
Mold Flow Simulation



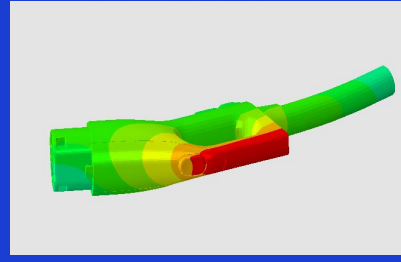
Thermal Management Simulation and Analysis



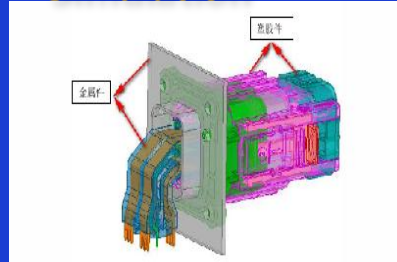
Heat dissipation Simulation



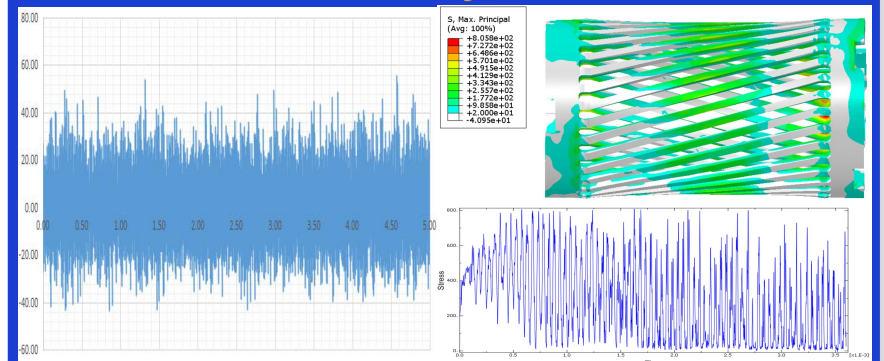
Drop Simulation



Electromagnetic Compatibility Simulation



Vibration Simulation and Analysis



Yonggui offers comprehensive connector performance simulations, including structural reliability, signal integrity, thermal management, and EMC. It also provides simulations for processes like injection molding, forming, bonding, assembly, and die casting.

2. Research Ability—Core technology

Ring spring contact

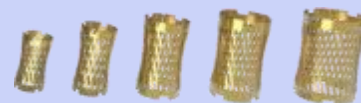


Ring spring socket assembly



Max current capacity: 3000A, lifespan $\geq 12,000$ cycles, smooth insertion and extraction, low contact resistance, and high tolerance.

Rotary spring contact



Rotary spring socket assembly

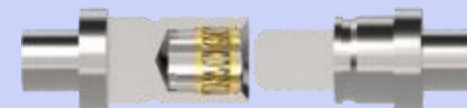


Max current capacity: 350A, lifespan $\geq 10,000$ cycles, low contact resistance, and strong vibration and impact resistance.

Crown spring contact



Crown spring socket assembly



Max current capacity: 1200A, lifespan $\geq 20,000$ cycles, low contact resistance, and strong vibration and impact resistance.

Slotted contact



Max current capacity: 600A, salt spray lifespan $\geq 10,000$ cycles, with low contact resistance.

Ultra-High Lifetime Spring Pin Socket Series



Lifespan $> 300,000$ cycles, current capacity 5-200A, low contact resistance, smooth insertion and extraction, and strong vibration and impact resistance.

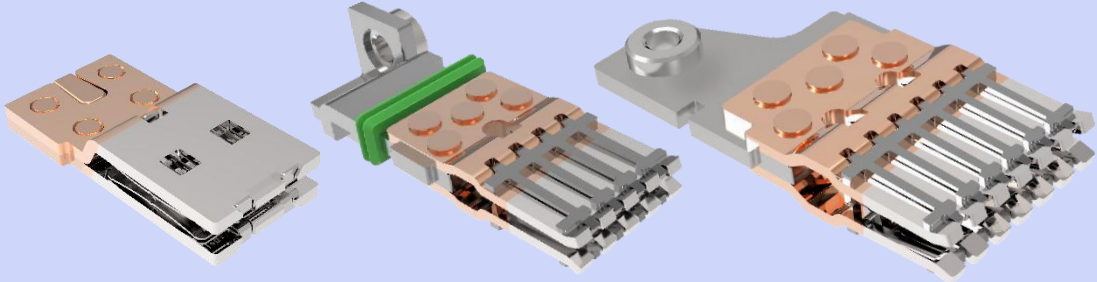
Twisted Wire Pin Assembly



Lifespan $> 10,000$ cycles, strong self-adaptability of the pin during mating, smooth insertion and extraction, and high contact reliability.

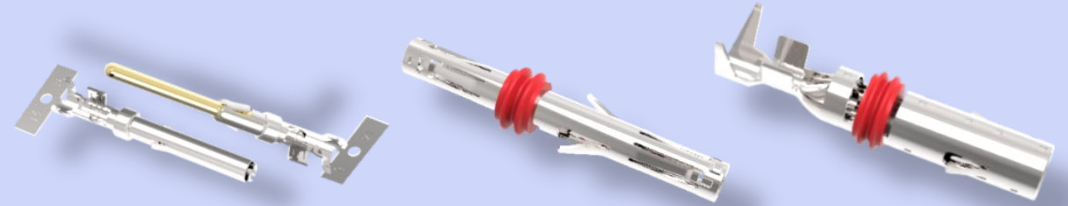
2. Research Ability—Core technology

High current stamped terminal series



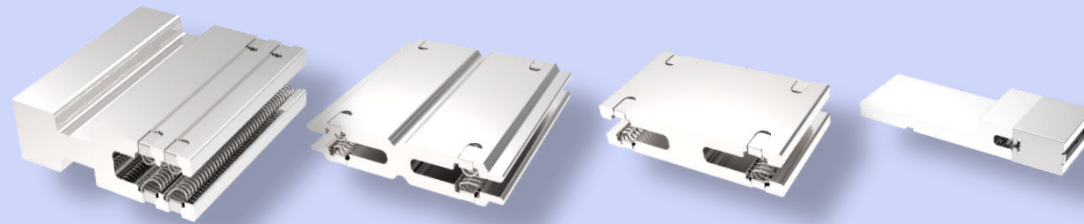
Current 100-600A, lifespan >100 cycles, low contact resistance, compatible with 180° and 90° outlet, strong vibration and shock resistance

Circular stamped terminal series



Lifespan >10000 cycles, maximum current 100A

Sheetmetal terminal series



Current 200-600A, compact structure, high lifespan, low contact resistance, gentle insertion and removal

3. Quality Assurance Capability – Quality Culture

Quality Culture

Customer-Oriented, Full Employee Involvement,
Quality First, Continuous Improvement

Quality is the lifeline of the enterprise.

Every employee is a guardian of the
enterprise's life.

The company prioritizes quality, strictly following the management requirements of "Five Modernizations and One Stability + Strict In and Out" to achieve quality improvement from prevention to self-management. This approach aims to make quality the core competitiveness of the company's products.

"Five Modernizations and One Stability" include:

1. Leading Technology 2. Reliable Quality 3. Intelligent Production 4. IT-based Management 5. Professional Staff 6. Stability of Key Personnel

3.Quality Assurance Capability—Quality System Certification



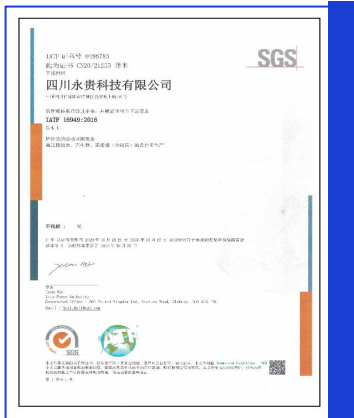
ISO14001
EMS



ISO45001
OHSAS



ISO9001
QMS



IATF16949
QMS



SO/IEC17025
CNAS



GB/T29490
IPMS



EN15085
WELDING SYSTEM



QC080000
HSPM



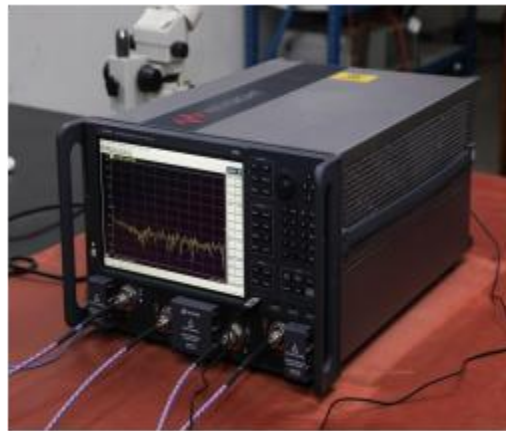
ISO22163
QMS



AS9100D
QMS

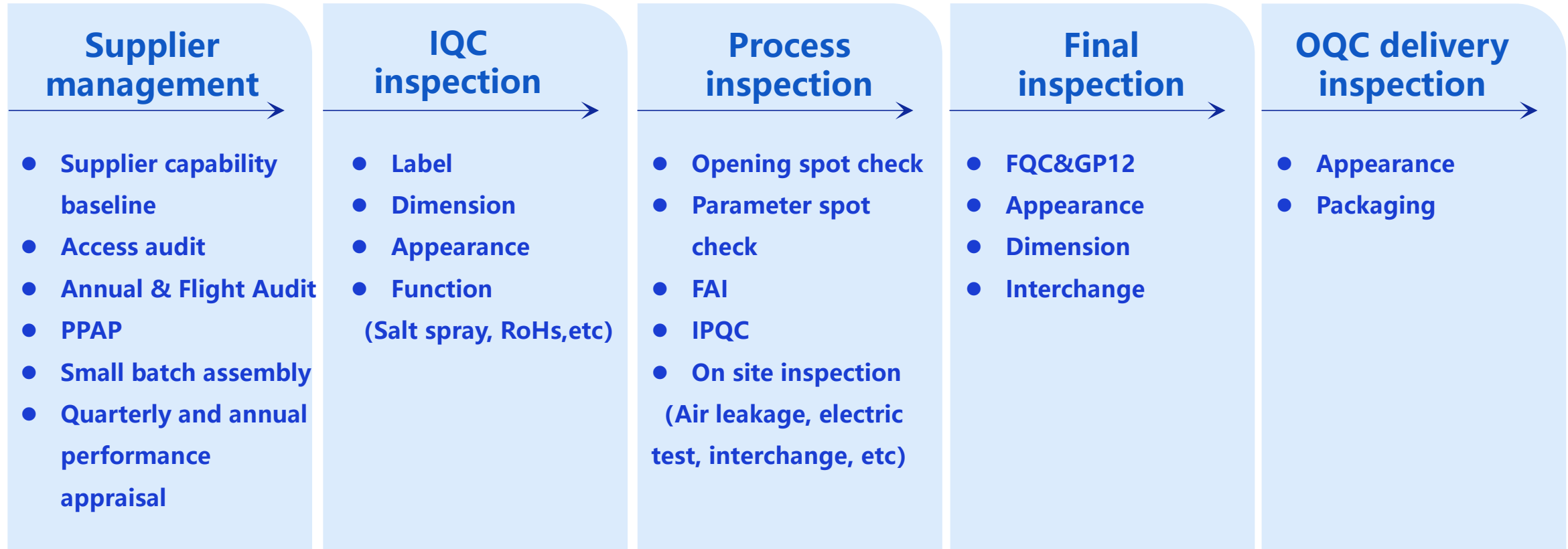
With the diverse application of its products, the company has obtained multiple quality management system certifications, continuously improving and standardizing its management practices. This enhances the overall competitiveness of the company and enables it to consistently provide high-quality products across various fields to its customers.

3.Quality Assurance Capability—Test Center



The company established HST Test Technology Co., Ltd in Jan,2008 (test center) , covers a building area of 2000+m2, and has passed the Chinese **CNAS** certification,it is a provincial test center with more than **200** sets of all kinds of inspection and testing equipment, which can carry out comprehensive tests on all kinds of connectors and materials.

3.Quality Assurance Capability—Product Quality Ensurance



Quality is the foundation of the company's development and a key initiative involving everyone. The company continuously builds a comprehensive quality management system, reinforcing product safety and achieving quality control throughout the entire process and lifecycle. This ensures the company consistently provides high-quality products and services to its customers.

4. Manufacturing Ability—Precision Processing



The factory covers an area of about 9000 square meters, with more than 150 sets of imported Riwno double spindle turning and milling compound lathes, Xitecheng slitting lathes, Toros slitting lathes, Beicun cutter tower lathes, Beicun slitting lathes, Japanese Brothers processing center and other kinds of precision machining equipment. It has more than 30 sets of various auxiliary processing equipment such as image instrument, CCD online detection, vacuum furnace, laser welding machine, special spring winding machine, etc. More than 30 sets of automatic/semi-automatic parts assembly equipment. With an annual output of all kinds of high precision parts more than 70 million.

4.Manufacturing Ability—Sheet Metal Processing



The plant covers an area of approximately 7,000 square meters and includes one temperature-controlled welding chamber. It has obtained the ISO 3834 international welding quality system certification and the EN 15085 CL1 certification for welding of railway vehicles and components. With automatic welding workstation, welding robot, laser cutting machine, bending machine, shearing machine, wire drawing machine, grinding machine, riveting machine, drilling machine, CNC punch, ordinary punch, resistance welding machine, argon arc welding machine, two protection welding machine and other kinds of production equipment more than 70 sets. It has an annual production capacity exceeding 1 million sets for various metal enclosures, cabinets, and integrated products, along with over 50 million pieces of general stamping parts.

4.Manufacturing Ability—High speed stamping



Plant area of more than 2000 square meters. It has more than 10 sets of high-speed precision presses, tool grinding machines, surface grinding machines and other die processing equipment and more than 20 sets of testing and maintenance equipment. It can produce all kinds of stamping parts and accessories in large quantities, with an annual output of more than 1 billion pieces.

4.Manufacturing Ability—Injection Processing



Injection processing plant covers over 5,500 square meters and is equipped with more than 50 injection molding machines, including brands such as FANUC, Nissei, and Chen Hsong imported from Japan. The machine tonnage ranges from 40T to 650T, capable of performing horizontal, vertical, and two-color injection molding with various plastic materials. All machines are fitted with vision monitoring systems and robotic arms, enabling an annual production capacity of over 90 million plastic injection molding parts.

4.Manufacturing Ability—Mold Processing



Mold processing plant covers an area of 2000+ square meters, with Japan imported western slow wire, Makino spark machine, FANUC drilling and tapping center, Makino CNC, quasi-force grinding machine and other kinds of precision mold processing equipment more than 40 sets. In addition, there are more than 10 sets of special testing equipment such as coordinate, image instrument and altimeter, and more than 400 sets/year of mold design and manufacturing ability.

4. Manufacturing Capability Surface Treatment



The factory covers over 15,000 square meters and has a production capacity of 500 million units per year. It is equipped with one fully automated gold-plating line, two silver-plating lines, two semi-automatic tin-plating lines, two zinc-plating lines, one manual phosphating line, two semi-automatic nickel-plating lines, and one aluminum anodizing line.

4. Manufacturing Capability – Product Integration and Assembly



The company has over 120 production lines, including parts assembly, connector assembly, wiring harness assembly, and integrated product assembly lines, with more than 50 automated and semi-automated lines. It has the capacity to produce over 75 million sets of connectors, plugs, sockets, wiring harnesses, and integrated products annually. The manufacturing process is tracked and stored through the MES system, ensuring product traceability.

5.Core Products—Railway transit

Vehicle-side reconnection

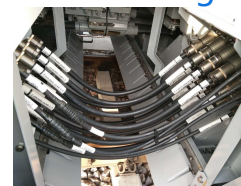


Air Conditioning Connection



Vehicle-End Jumper Integration

Connector and
Harness Integration



Junction Box and
Harness Integration



In-Vehicle Control, Network, and
Driver Console Connection



Under-vehicle ground power
supply, motors, and sensors and
other connections



Integrated cabinet under
the car



5.Core Products—Industrial connectors

Wind Power Industry



Construction Machinery



Industrial Robots



Pitch Control Cabinet Integration



Heavy-Duty Connectors and Harnesses



Wind Power Slip Ring Connectors



Circular Connectors



Control Cabinet Integration



Connectors



Harness Integration



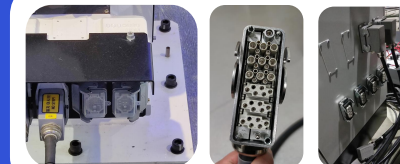
Sensor Connectors



Motor Encoders and Power Circular Connectors



Base Control Cabinets and Inter-Panel Wiring



5.Key Core Products – New Energy Charging Products (Passenger Vehicles & Charging Stations)

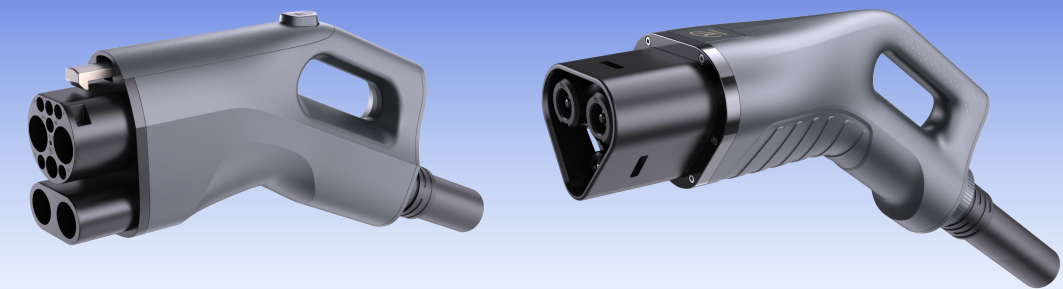


5.Key Core Products – New Energy Charging Products (Commercial Vehicles & Charging Stations)

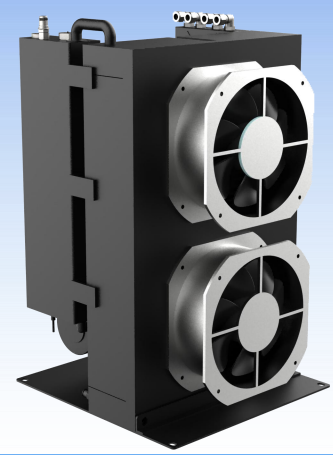
DC and MCS charging inlet



DC and MCS Charging Connectors



MCS Liquid Cooling System



5.Core Products—Onboard Product

HV & large current connector for batteries/motors



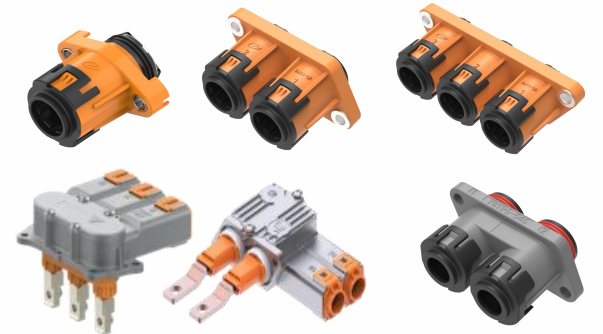
Vehicle HV harness



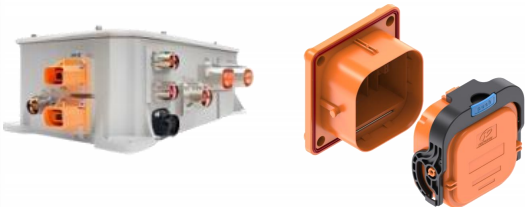
HV & small current connector for battery charger



HV connectors for batteries/motors



HV junction box/PDU/BDU/MSD



AC compressor/HV conn for PTC



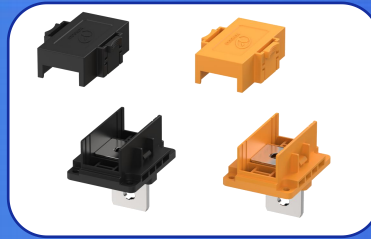
Vehicle-mounted discharge panel



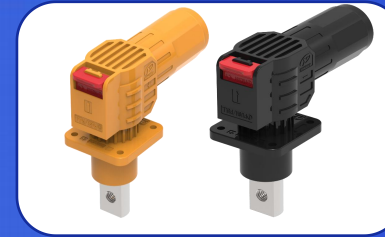
5.Key Core Products – Energy Storage Field



High and Low Voltage
Wiring Harness



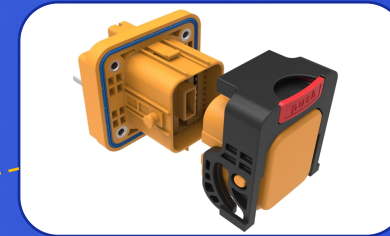
PACK Air-Cooled High Current
Connector



PACK/PCS Liquid-Cooled High Current Connector



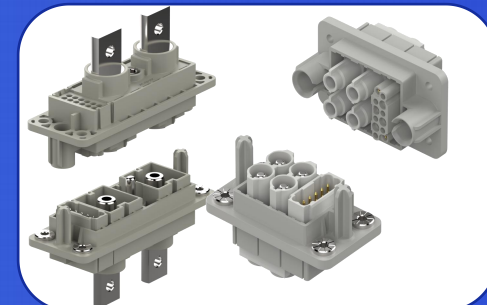
Energy Storage High
Voltage Box



PACK - MSD

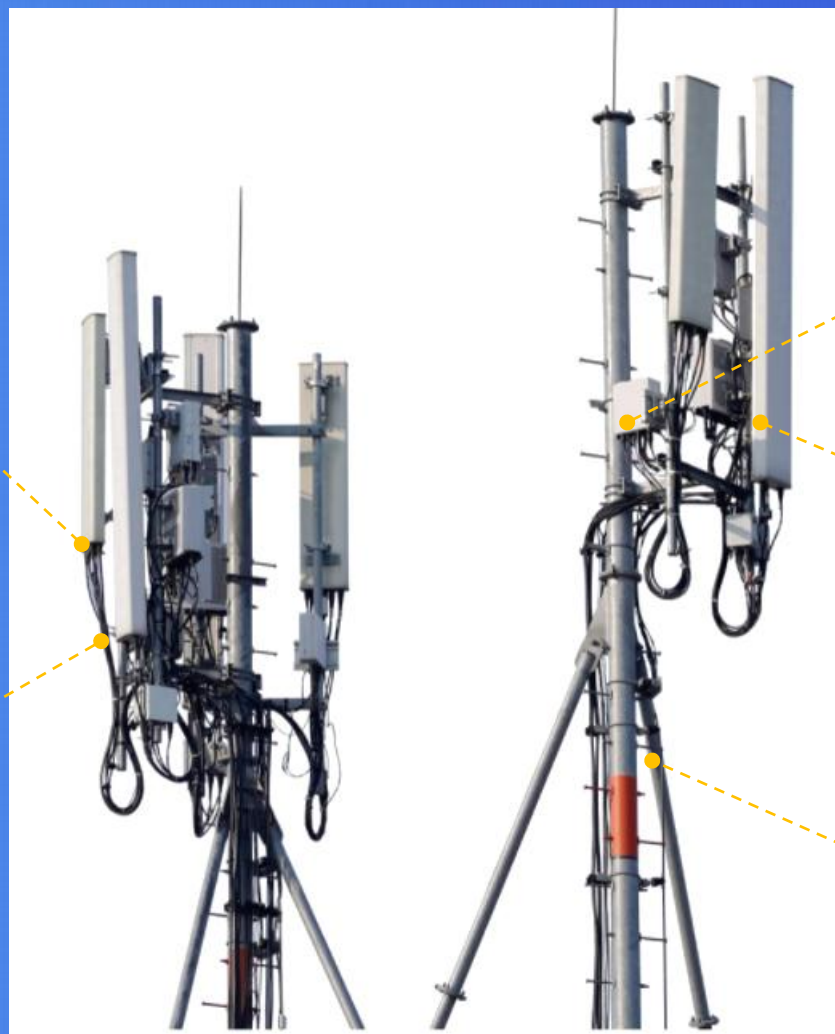


PACK/PCS Signal Connector



Residential Energy Storage
Hybrid Connector

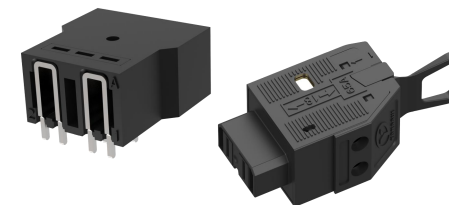
5. Key Core Products – Communications Field



Outdoor
Connector



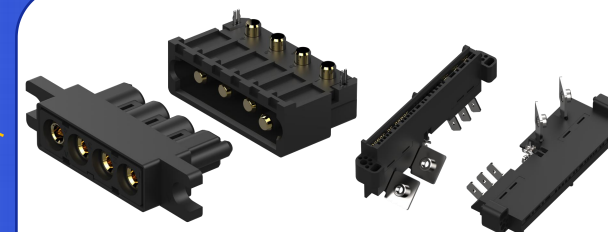
AISG Wiring Harness
and Connector



Maintenance
Window Power
Connector



Electrical Assembly
Integration



Module Power
Connector

5.Core Products—Fluid connector, Cold Plates, and Assemblies

Design and simulation of light and heavy mixing liquid cooling modules

LTA/AX series bayonet fluid connector



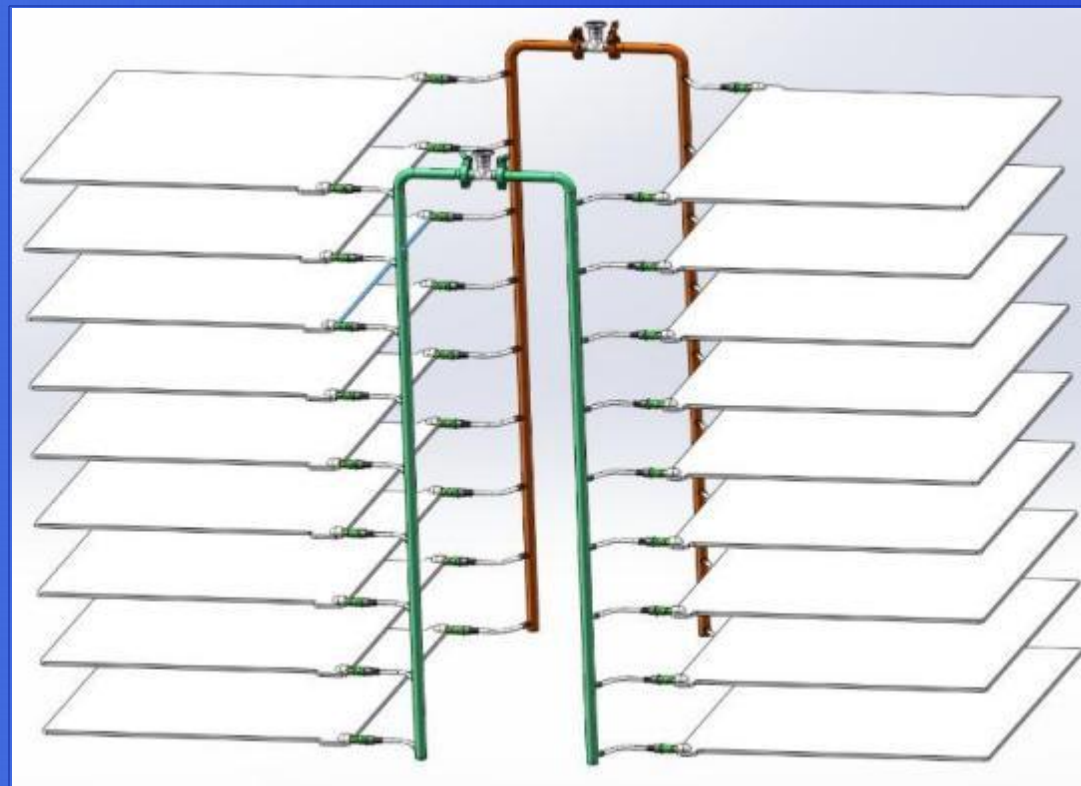
LTC series push-pull fluid connector



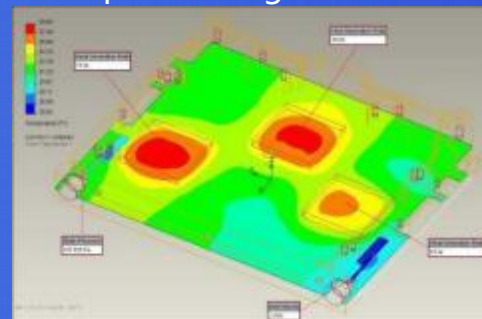
LQD Direct Push Fluid Connectors



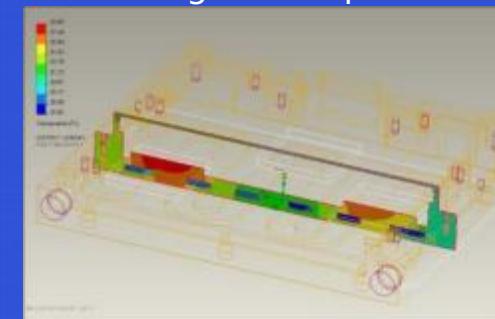
LTF/FP series blind insert fluid connector



Temperature cloud map of liquid cooling module



Temperature cloud map of liquid cooling module profile



5. Core Products – Liquid Cooling Systems and Liquid-Cooled Charging Connector Series

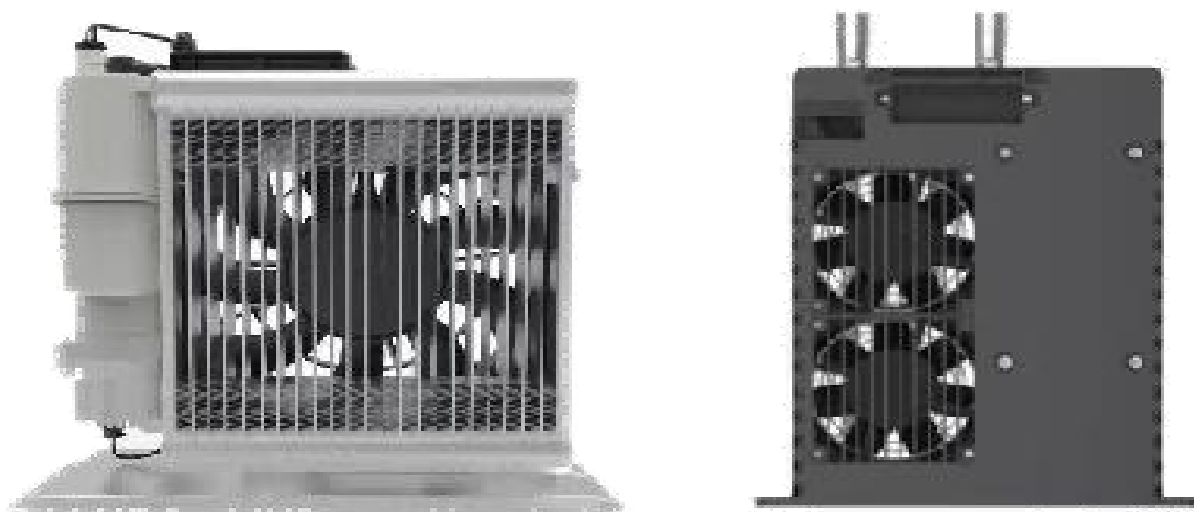
Liquid-Cooled Ultra-Fast Charging Connector



MW Liquid-Cooled Charging Connector



Liquid Cooling Unit



5.Core Products——High-Speed Products (Backplane)

High-Speed Products (Backplane)

Product feature

- Product impedance: 92Ω
- Transmission rate: 56Gbps
- Specifications -- 2Pair, 3Pair, 4Pair, 6Pair
- Compatible with Molex same-series products.
- Fully shielded structure for reduced crosstalk, enhanced signal integrity and optimal mechanical isolation.
- Applied to data centers, communication base station cabinets, switches and other communication systems.
- Certified with 2 international patents and 5 domestic invention patents.

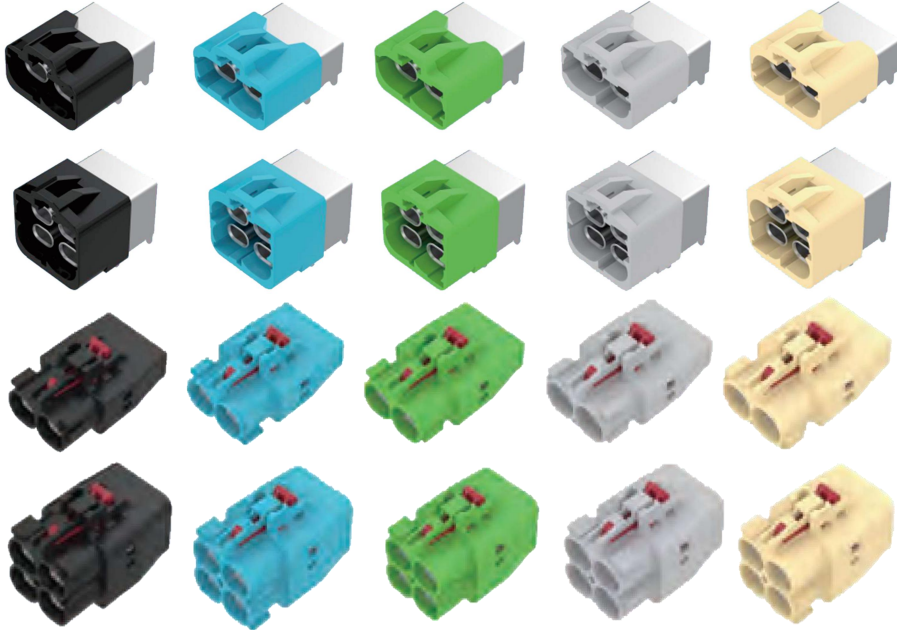


5.Core Products——High-Speed Products (Onboard Ethernet)

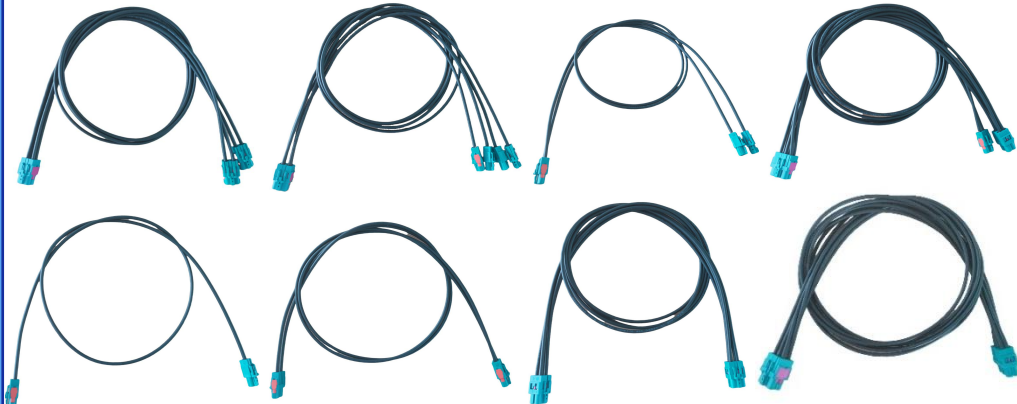


HSED Series Onboard High-Speed Communication Connectors and Cable Assemblies

HSED connector



HSED cable assembly



Product feature

- Product Impedance: 100Ω
- Product Frequency: DC to 10GHz
- Interface Dimensions: Compliant with USCAR-EWCAP
- Specification: 1PAIR/2PAIR/4PAIR/6PAIR
- Compatible with Rosenberger H-MTD Series Connectors
- The product supports protocols including Onboard Ethernet, GMSL, MIPI, PCIe, USB, etc.
- The product is mainly applied to LiDAR, intelligent cockpit, autonomous driving, high-definition cameras, etc.
- Obtained 14 patent authorizations, including 1 invention patent

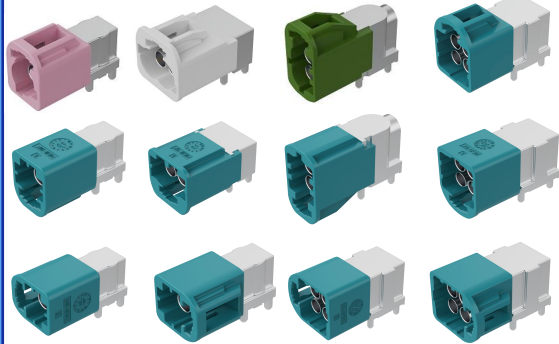


5. Core Product – High-Speed Products (Onboard RF)

Mini-FAKRA Onboard High-Speed Communication Connectors

YG1506 series

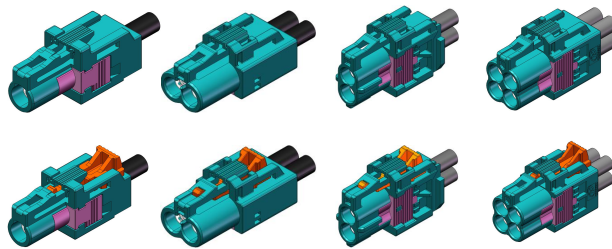
Board-side Right-angle Series



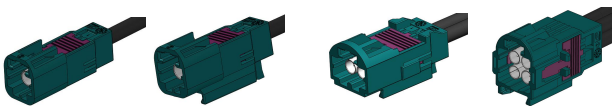
Board-side Straight Series



Cable-side Female Series



Cable-side Male Series



Cable assembly



YG1444 series



Product feature

- Product Impedance: 50Ω
- Product Frequency: DC to 20GHz
- Interface Dimensions: Compliant with USCAR-EWCAP
- Interchangeable with Rosenberger High-Speed FAKRA-Mini Series
- The product is mainly applied to video and RF applications such as LiDAR, high-definition cameras, mobile communication & Wi-Fi
- The product has obtained 12 patent authorizations, including 1 invention patent



5. Core Product – High-Speed Products (Onboard RF)

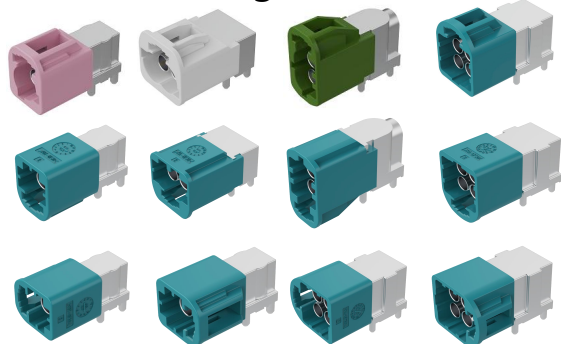


Mini-FAKRA Onboard High-Speed Communication Connectors

The MiniFAKRA onboard high-speed communication connector system is a compact coaxial connector designed specifically for RF and high-speed data transmission applications. It supports frequencies up to 15-20 GHz and data transfer rates of 20-28 Gbps. With its miniaturized design, this connector system is ideal for use in space-constrained environments and is suitable for applications such as autonomous driving, driver assistance systems, navigation, infotainment, and rear-seat entertainment.

YG1506 series

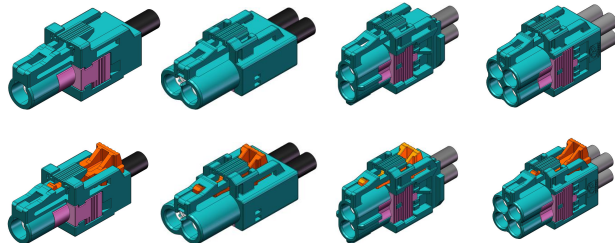
Board-side Right-angle Series



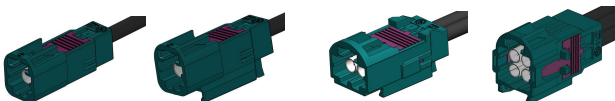
Board-side Straight Series



Cable-side Female Series



Cable -side Male Series



Cable assembly



Patents Certificate

Utility Model:

CN219979965U- A Connector Plug Unit with Contoured Inner Cavity and Connector Cable Assembly
CN219576012U -A Connector and Connector Cable Assembly
CN219477065U -A Fixing System for Plug Connectors
CN219979882U- A Metal Internal Retaining Structure for Automotive Connectors and Automotive Connector
CN218731933U -An Electrical Connector Fixing Structure for High-Speed Automotive Ethernet and Electrical Connector
CN222029411U -A Metal Gasket Sleeve, Terminal Assembly and Connector
CN220253544U -An Internal Insulator Structure for Automotive Connectors and Automotive Connector
CN220253545U -An Internal Insulator Retaining Structure for Automotive Connectors and Automotive Connector
CN218448759U- A High-Speed Connector Cable Assembly and Its Shield and Signal Module

International patents:

WO2025098228A1- Rotationally assembled fixing structure for high-speed onboard electrical connector

YG1444 series



5.Core Products——Special markets (Defense field)



Inter-Device Interfaces



External Device Interfaces - 83723 Series



External Device Interfaces - Ethernet Series



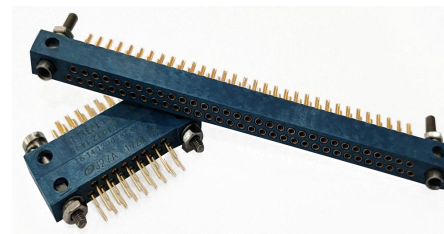
External Device Interfaces - Miniature Circular Series



External Device Interfaces - Fiber Optic Series



Internal Device Interfaces - Miniature Rectangular Series



Board-to-Board Interfaces



High-Frequency Series

5.Core Products——Special markets (Others)

Explosion-Proof



Shore Power Field



Commercial Aerospace and Spaceflight



Deep Water Field



Nuclear Power Field



6.Main Clients in Several Market Fields

Railway transit and Industry



Vehicle and energy information



Special equipment



6.Oversea Market



The company adopts the active overseas customer development strategy, established the overseas Business Division (BD) at the beginning of 2023, built a professional overseas customer service team, systematically strengthened the layout of the global business to meet the diversified product needs of overseas customers and help Yonggui brand and products to a greater international stage.

6.Main Clients in Overseas Markets

APAC



Europe



North America





Enterprise Tenet

Follow market development every moment| Always focus on customer needs

Operation Principle

Customer-centric | maximize the interest

Enterprise Culture

People-oriented | Efficiency | Diligency and thrifty | Innovation

Enterprise Values

God helps those who help themselves| Create a win-win situation

Enterprise vision

*Become a
World-class
interconnection
solution provider*



Yonggui Connection•Connection Expert



Thanks for watching!

Yonggui Connection · Connection Expert