



2024

Beijing Yihongtai Technology Dev.Co.Ltd.

—— COMPANY PROFILE



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PART

1

Enterprise Overview





Enterprise Overview



Beijing Yihongtai Technology Dev.Co.Ltd.

Founded in September 1999, Yihongtai is located in Cuihu Science and Technology Park, Zhongguancun, Beijing. A high-tech enterprise is an earlier power solution supplier integrating research and development, production and sales in China. With strong technical strength and product awareness, and has become an excellent partner of many well-known enterprises in China. Our products includes five series of nearly 2000 models, widely used in railway, electric power, network communication equipment, automation, instruments, monitoring and security and military fields, can provide a variety of on-board, open-frame, terminal, modular integrated power supply solutions.





Enterprise Overview



Beijing Yihongtai Technology Dev.Co.Ltd.

Yihongtai has 150 employees and modern standard workshop of 8000 square meters. With competent management personnel and high-quality professional and technical team, and over 20 years of production and R & D experience, we have established our competitive advantage in this field and become one of the main suppliers of switching power supply in China.

The company has a variety of advanced and complete R & D, testing and production equipment, with an annual production capacity of more than 2 million pieces.





Enterprise Overview



Corporate Honor-System Certification

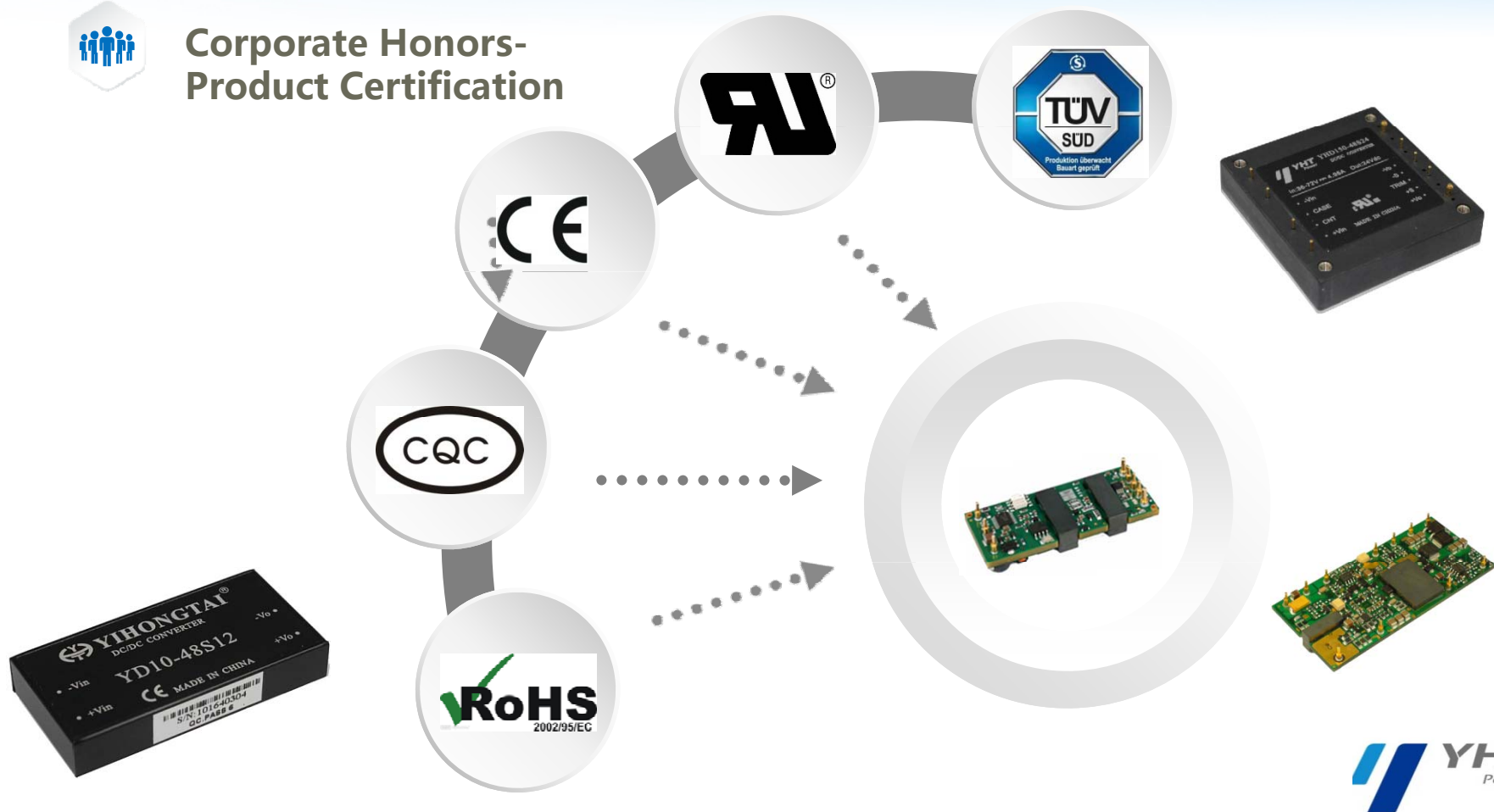




Enterprise Overview



Corporate Honors- Product Certification

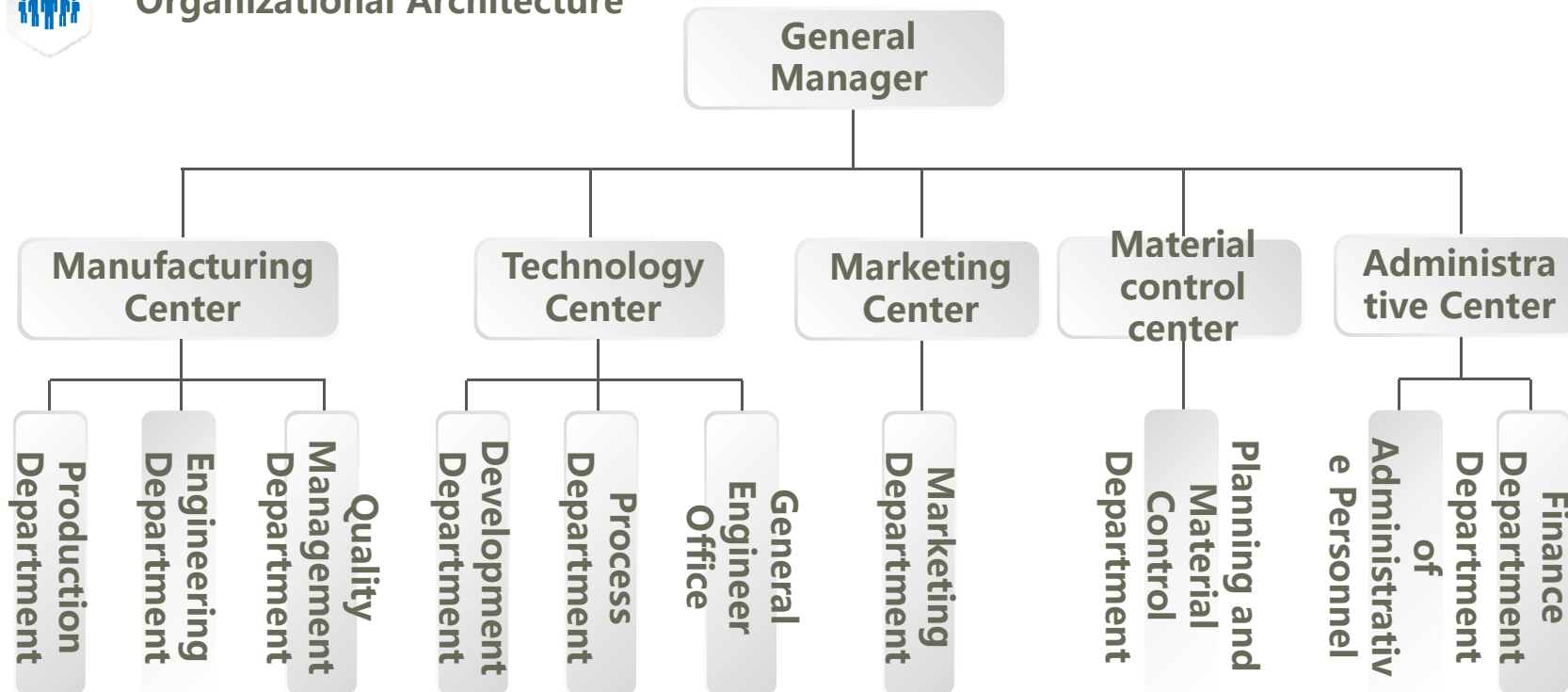




Enterprise Overview



Organizational Architecture

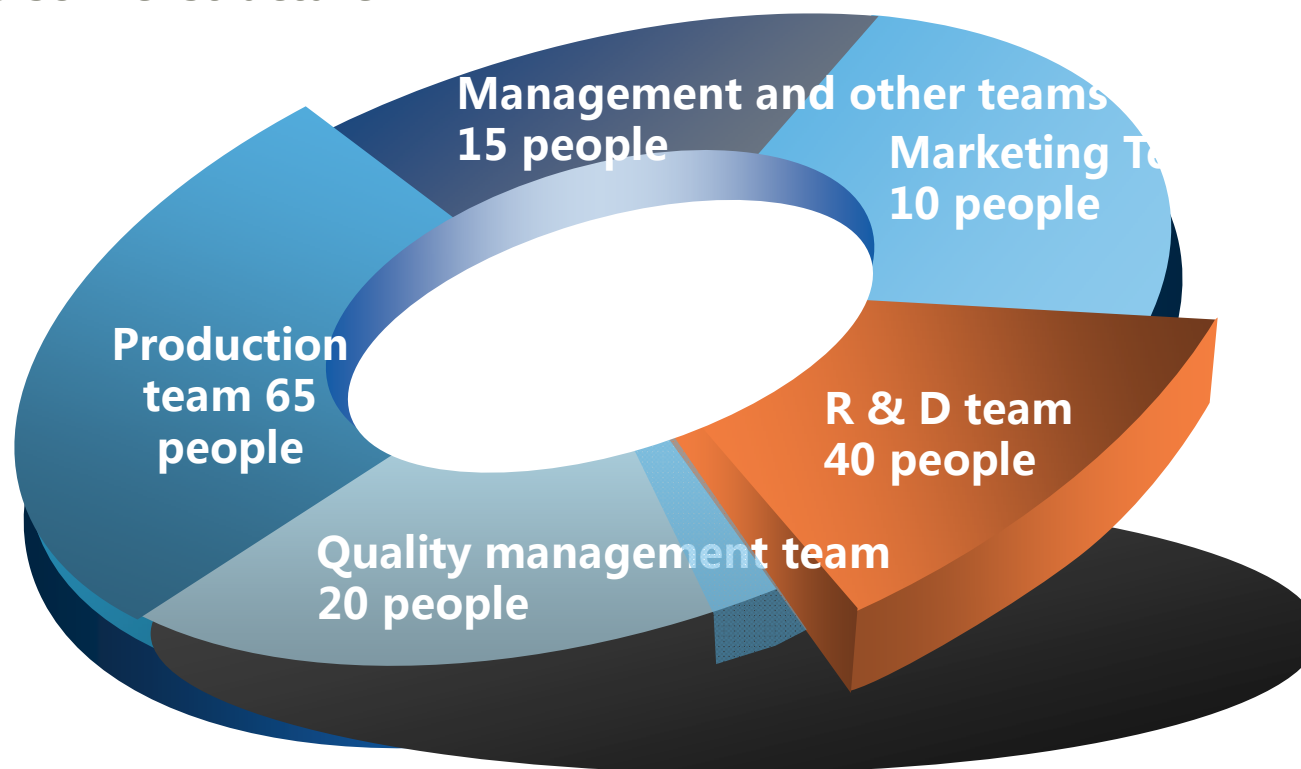




Enterprise Overview



Personnel structure



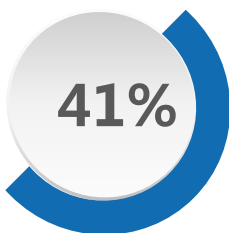


Enterprise Overview



Sales industry distribution

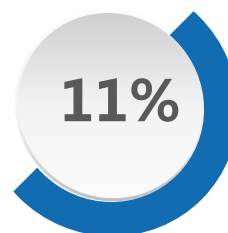
•Rail transit



Photoelectric
communication



Military industry



Electricity and others



PART 2 Product overview





Product overview



Product classification — conversion form overview

AC-DC Converter

1



DC-DC Converter

2



DC-AC Converter

3





Product overview



Product classification — installation form.

Open on board

1



On-board sealing type

2



Open -Frame

3



Rack mounting type

4





Product overview



Product Classification-Industry Standards

Rail transit

1



Electric Power

2



Military industry

3



Communication

4

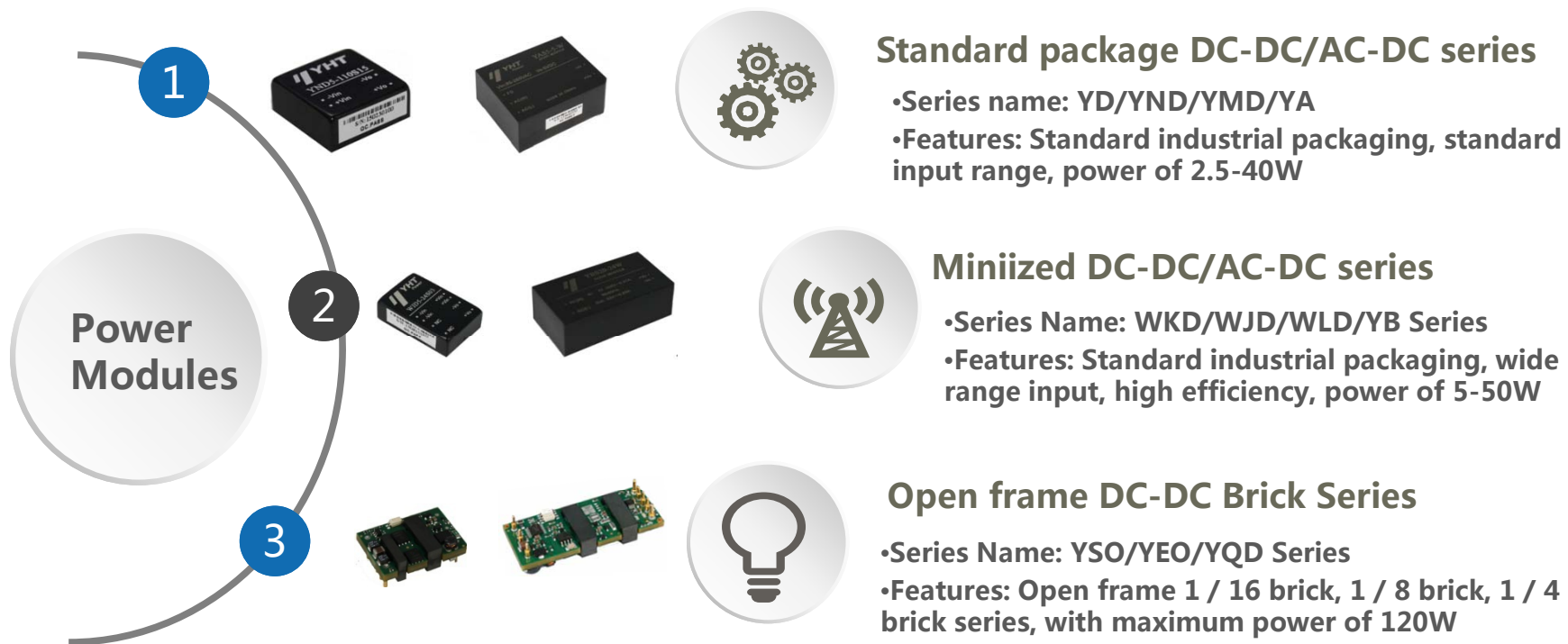




Product overview



On-board module power supply

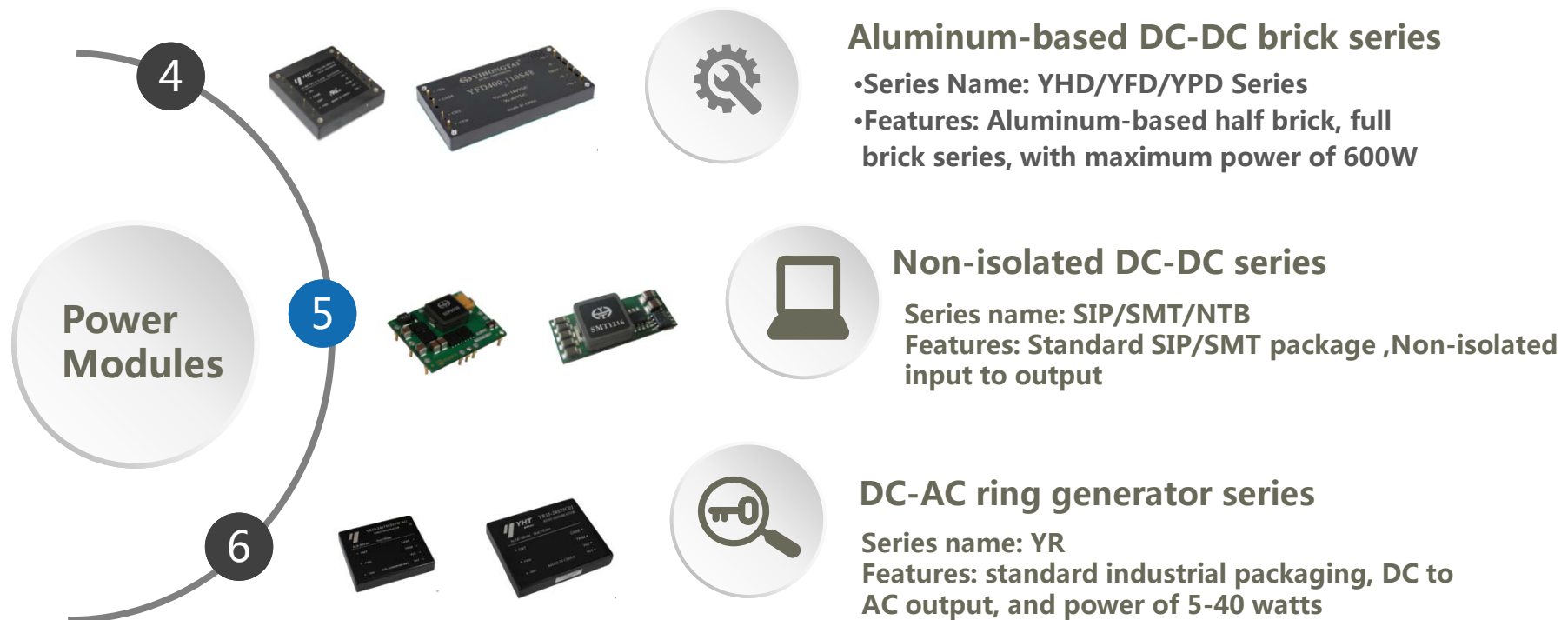




Product overview



On-board module power supply

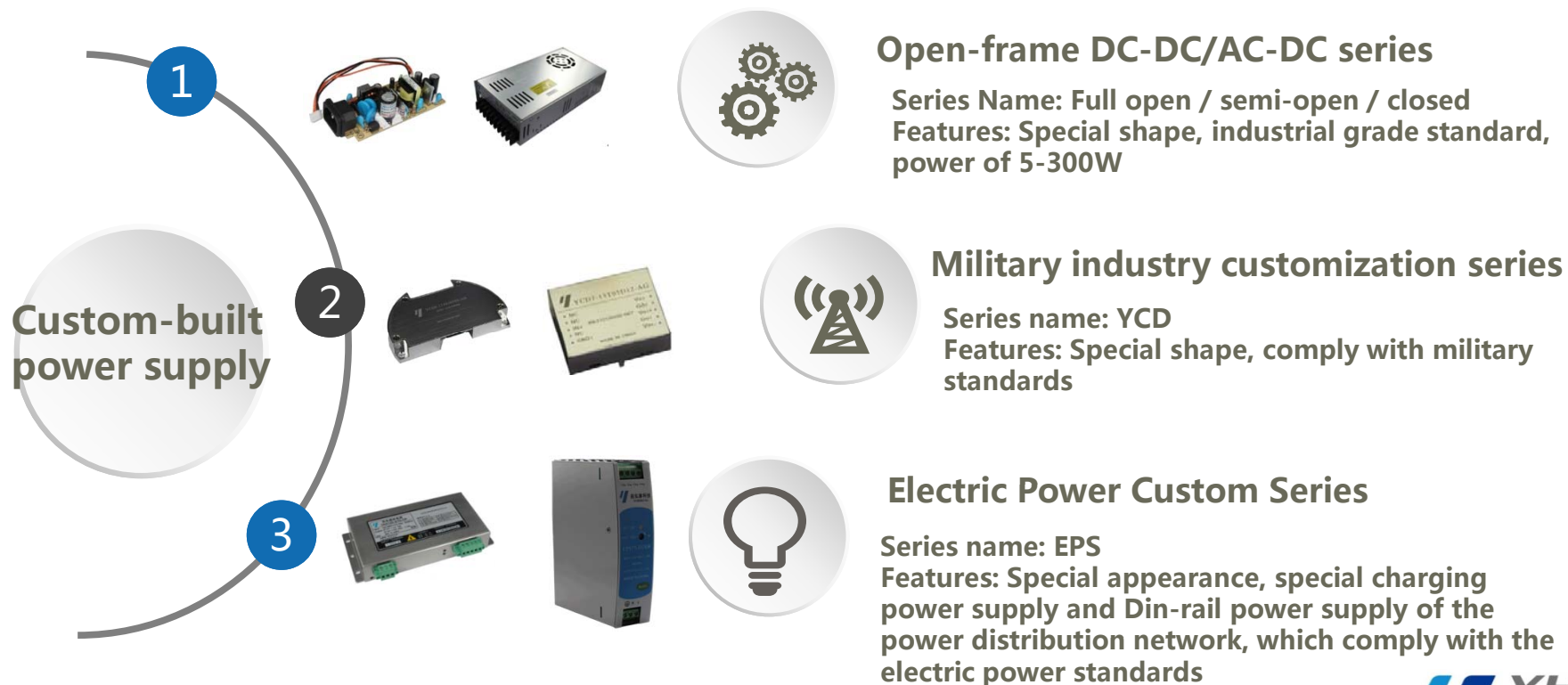




Product overview



Custom-built power supply





Product overview



Rail transit power supply-product road signs

On-board
sealing
type



5W~20W

1" × 1" volume



10W~20W

1" × 2" volume, center
out pin



30W~50W

1" × 2" volume, with
needles on both sides



Product overview



Rail transit power supply-product road signs

On -board
aluminum
base type



50W~150W

1/4 brick volume



100W~300W

Half brick volume



300W~600W

Full brick volume



Product overview



Rail transit power supply-product road signs

Rack
mounting
type

The EN50155/GB/T 25119 is satisfied
Output the redundant backups
Low turn-on surge start-up current
Enter anti-back protection





Special custom power supply





Product overview



Rail transit power supply-product road signs

Special
custom
power
supply



Rail transit power supply voltage monitoring recorder

Target voltage display and recorded

Clock management

Fault alarm



Product overview



Rail transit power supply-design standard

Industry standards

《EN50155/IEC60571 Railway applications-Electronic equipment used on rolling stock》

《GB/T 25119-2010 Rail transit locomotive and vehicle electronics》

Enterprise Standards

《YHT/SJ 007A Technical requirements for the railway power supply》

《Q/HDYHT 0001-2018 DC-DC module power supply 》

《Q/HDYHT 0003-2018 AC-DC module power supply 》



Product overview



Rail transit power supply- Technical characteristics

Application environment



Temperature range -40~+85°C,
9~36V and 40-160V wide range
input, PCBA all three coating

Safety standard requirements

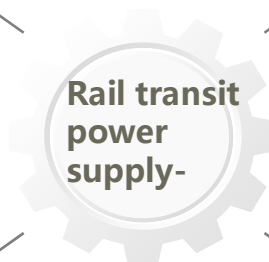


Meet input/output, input/shell
isolation 1500Vac

EMC requirements



Rack mounting type and customized power supply
with EMC protection circuit, can match the
customer complete machine system through
EN50121/GB/T24338 related EMC standard



Reliability verification



Appearance structure: vibration, impact, drop,
acceleration, pin tension, etc.

Black box test: EMC test, safety gauge test, switch
machine test, high / low temperature test,
temperature transformer test, high temperature, hot
and heat test, long life test, etc.

White box test: internal safety gauge test, MTBF life
assessment, electrolytic capacitance life assessment,
loop stability test, voltage / current / temperature
stress test.

Quality control



Establish Preferred Material Library
for Railway, aging at minimum 48
hours and regular type test

PART

3

Rail transit industry applications



Rail transit industry applications

Rail transit customer group

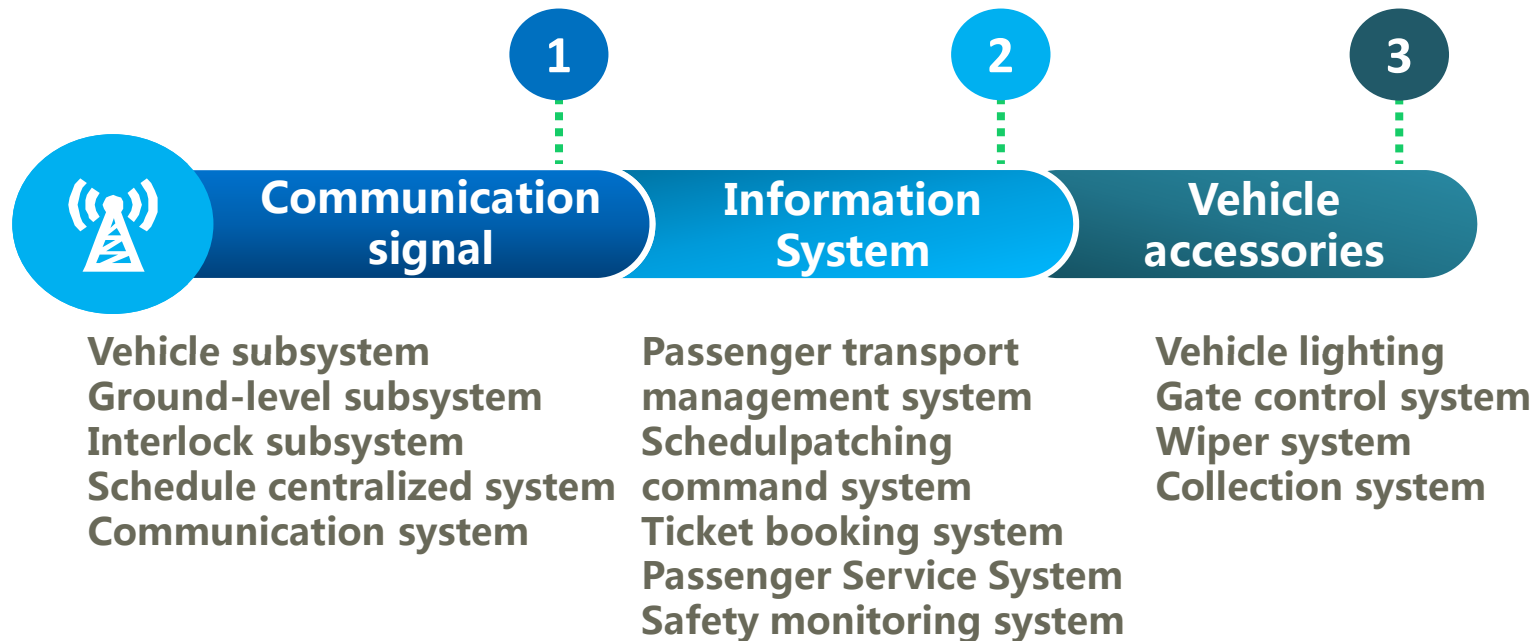




Rail transit industry applications



**Rail traffic dedicated power supply
involved in the fields**





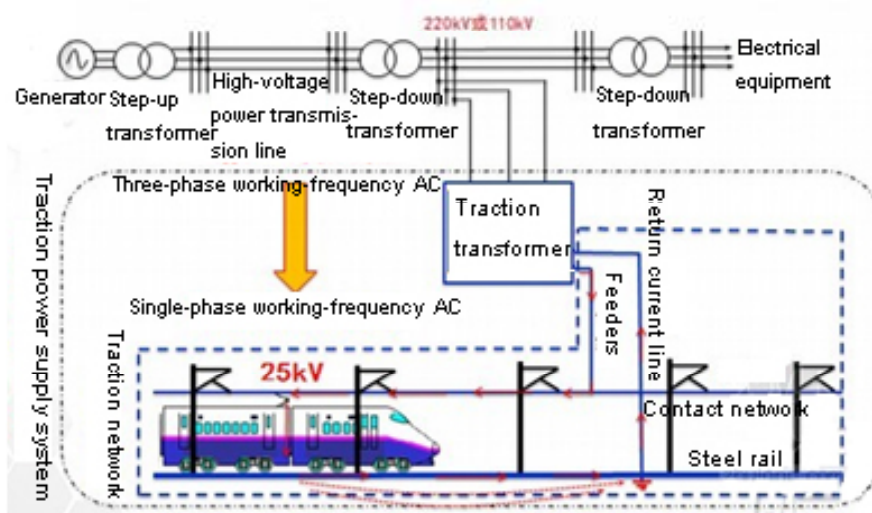
Rail transit industry applications



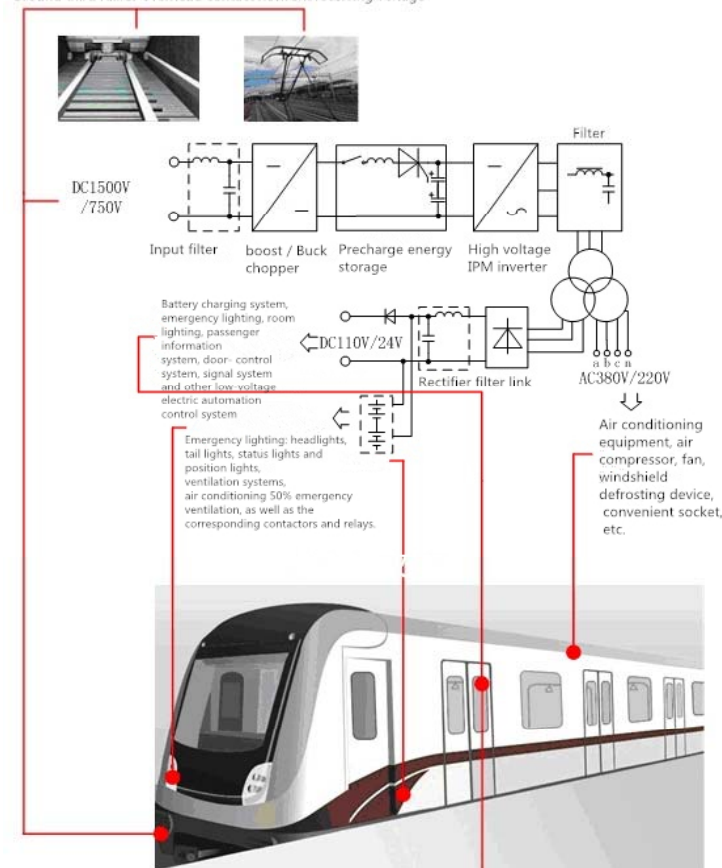
Railway and rail transit power supply system

Railway
power
supply

Rail
transit
power
supply



Ground third rail or overhead contact network receiving voltage

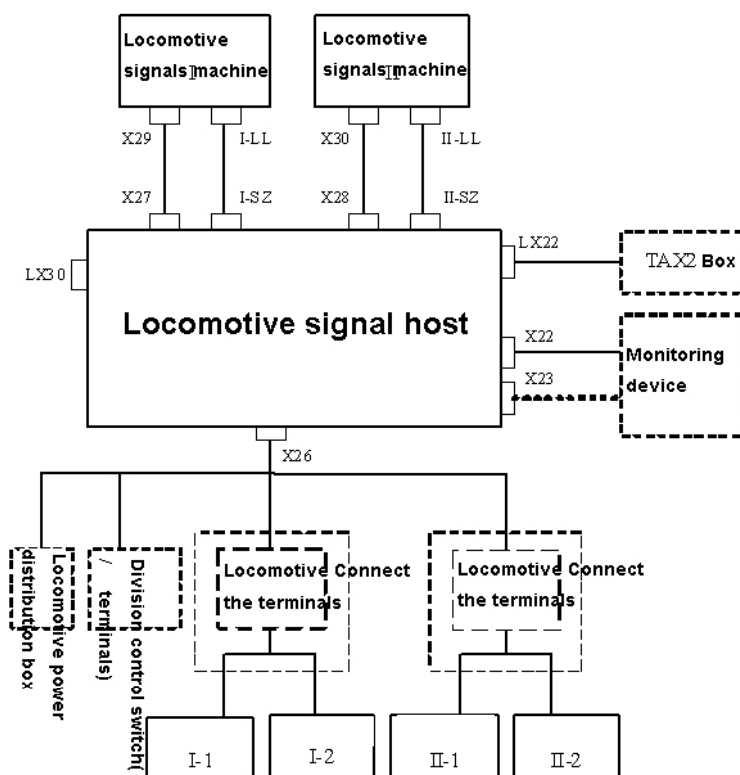




Rail transit industry applications



Rail traffic special power supply involves the field- -locomotive signal



locomotive signal JT1-CZ2000

locomotive signal JT-CR-2000

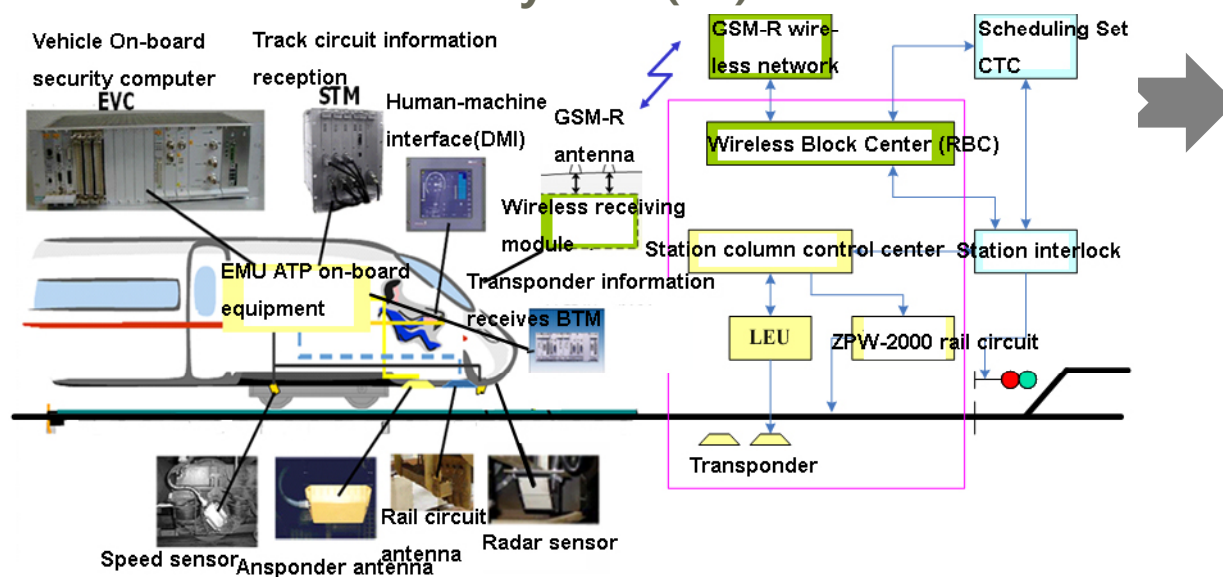




Rail transit industry applications



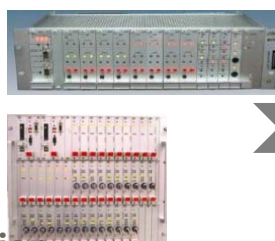
Rail traffic special power supply involves fields-column control system (C3)



Vehicle scheduling management system



Vehicle Computer
Rail-side axle counting equipment
Axle counting equipment in the station





Rail transit industry applications



Rail traffic special power supply related fields-
column control system (Vehicle BTM equipment)



Vehicle BTM host
power supply





Rail transit industry applications



Rail traffic special power supply involves fields-column control system



Vehicle ATO



Axle temperature monitoring

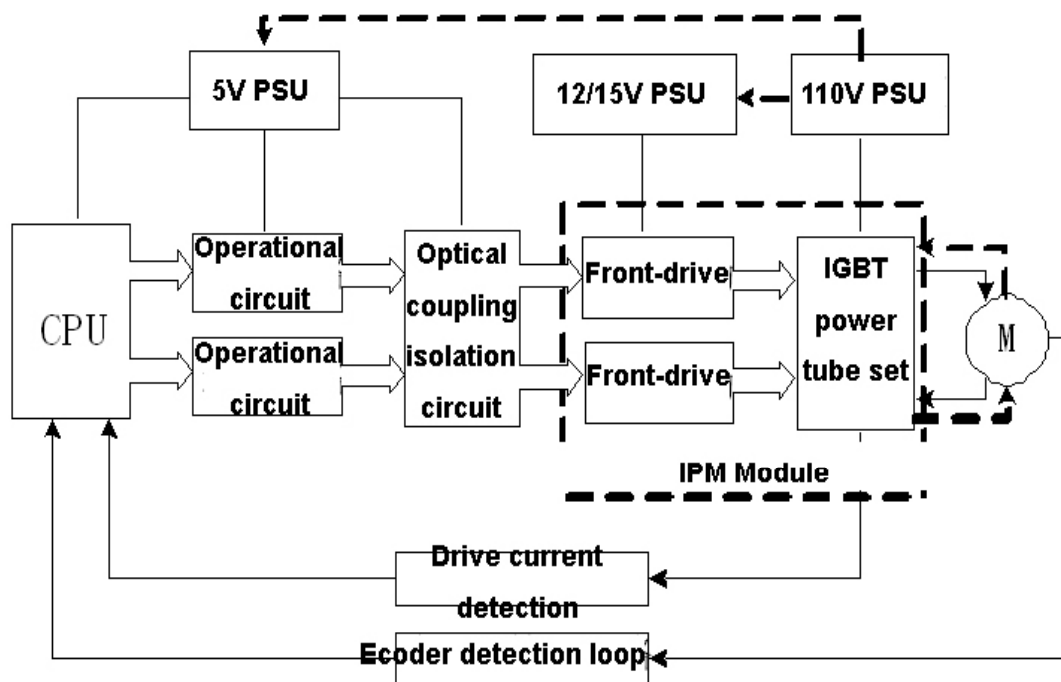




Rail transit industry applications



Rail traffic special power supply involves fields-door control system

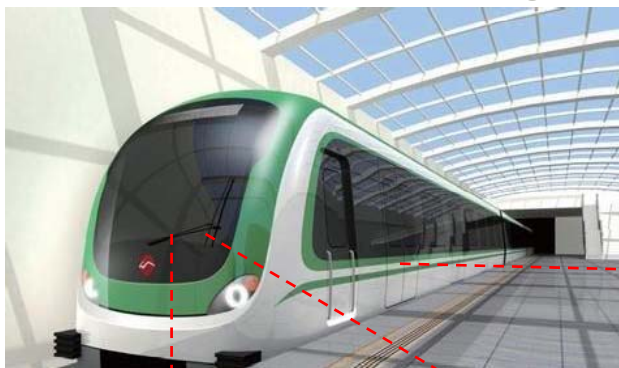




Rail transit industry applications



Rail traffic special power supply involves fields-wiper, headlamp lighting and gathering system



Collection system



Front headlamp



Wipers



Rail transit industry applications



Rail traffic special power supply involves the field-
Vehicle passenger room lighting system



Optical sensor



Passenger room lighting
power supply



Adaptive dimmer
controller and
power supply



Rail transit industry applications



Rail transit dedicated power supply involves field-
Vehicle Passenger Information System (PIS)

Vehicle PIS
host



Dynamic map



LED displays

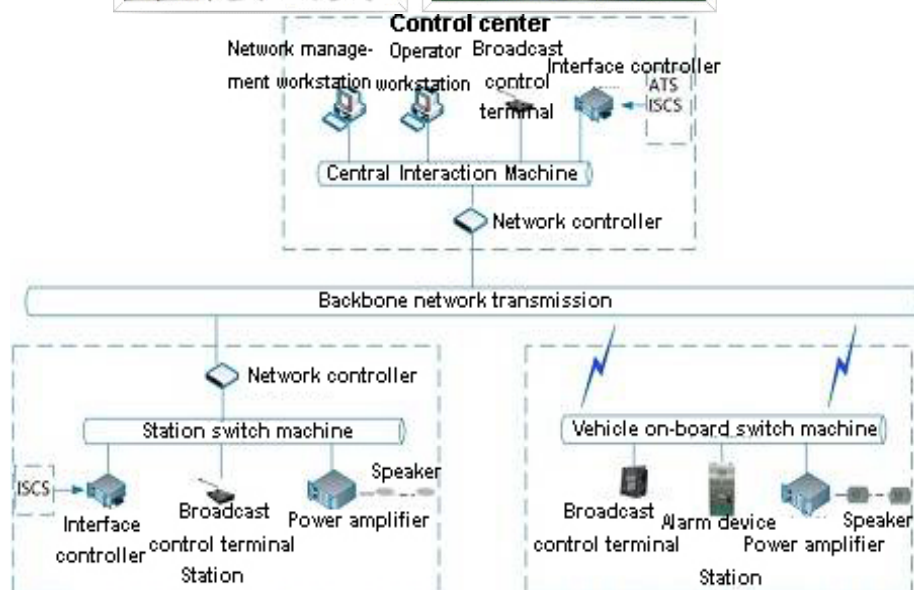




Rail transit industry applications



Rail transit dedicated power supply involves field- Vehicle On-board broadcasting system (PA)

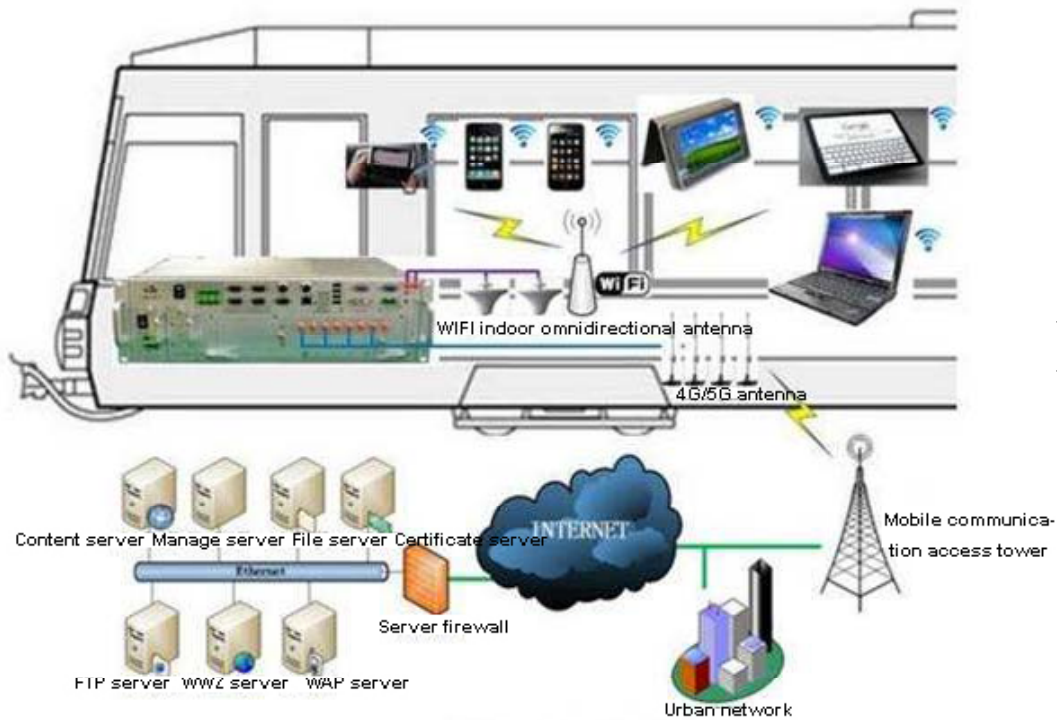




Rail transit industry applications



Rail traffic special power supply involves fields-vehicle wireless WIFI system



PART 4 Service and Support

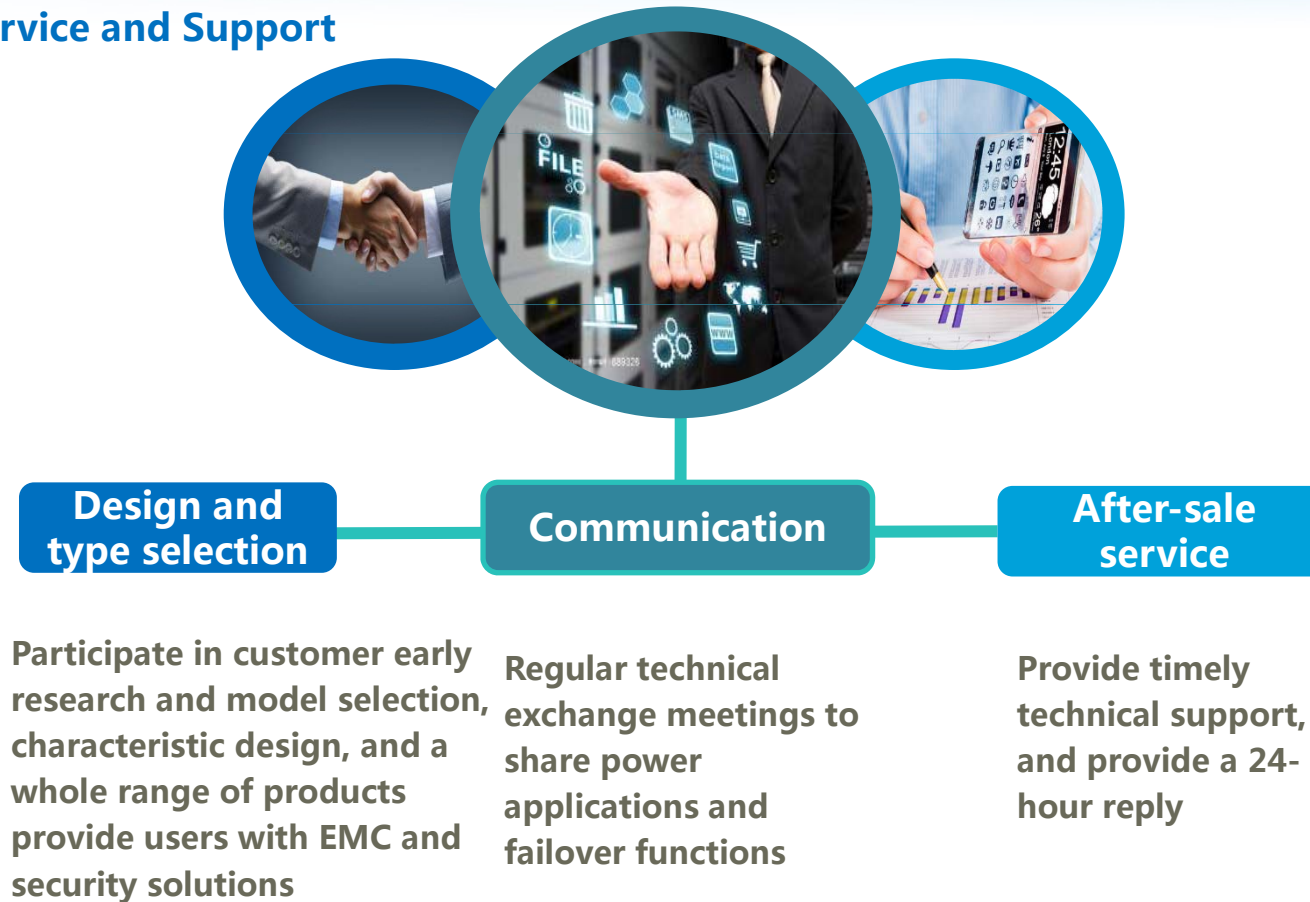




Service and Support



Service and Support

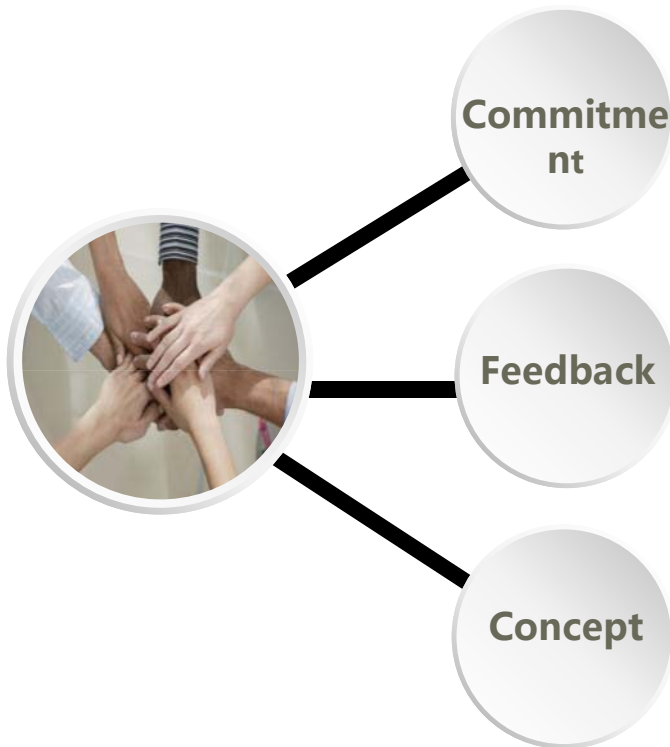




Service and Support



Commitment



- AC/DC product warranty period is 2 years
- DC/DC and bell abortion quality warranty period is 5 years
- All products shall give the annual repair rate of less than 3 %
- Provides a preliminary analysis and response to customer feedback within 4 hours
- Person arrives at the site within 48 hours to provide support
- Feedback and 8D report within 1-3 days
- Not only superior products, but also superior service
- Product quality priority, never sacrifice product quality due to cost, delivery period



Thanks for your listening