



智廷

**Data Center Manufacturers
Providing Overall Solutions**

www.zt-infinity.com

ZheJiang ZhiTing Information Technology Co.,Ltd





PART 1

Company Introduction

Factory Render Images



ZTmm is the brand of Zhiting Information Technology in global market. ZT provide the overall solution of Micro Module Data Center, it's the origin of ZTmm .

Factory on-site



ZT manufacture base and exhibition in JiangShan city, Zhejiang province, which covers an area about 27000m2

Factory full view



Factory full view



D:\市场部+营销部\营销部\工厂照片——摄影师拍\金品视频-智廷\工厂视频.mp4

Quality standards and systems

- GB/T19001 QUALITY
- ISO14001 ENVIRONMENTAL
- GB/T28001 OHSMS



R&D

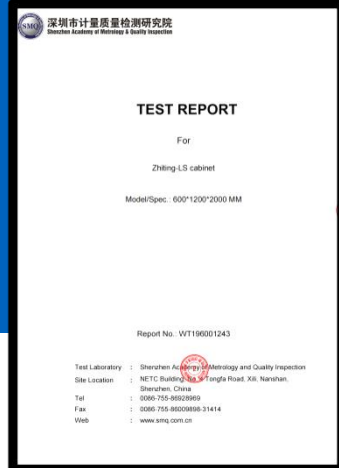
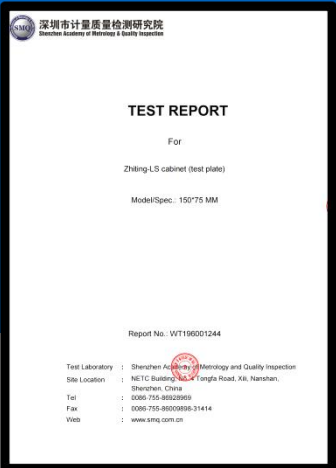
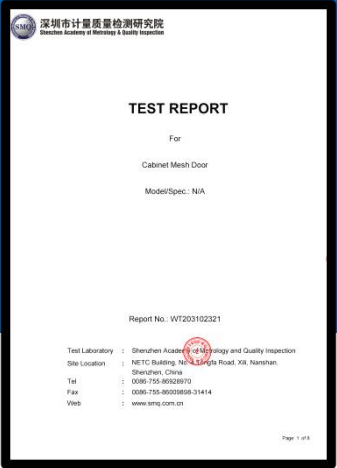
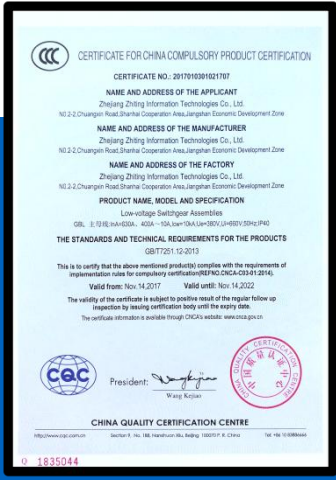
Sample

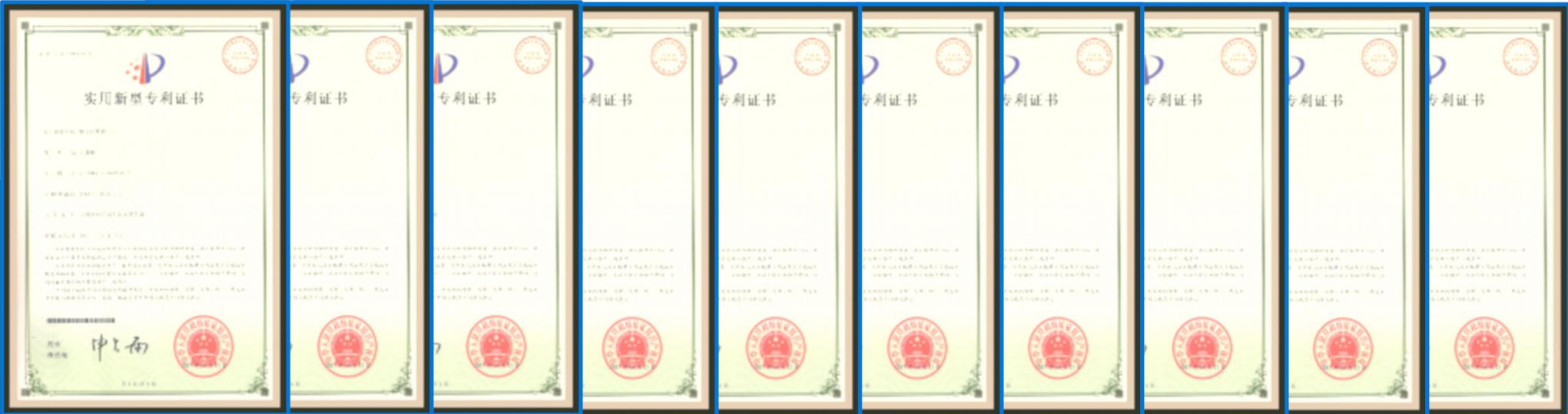
Product

Test

Delivery

C&A





| Patent

Enterprise honor

- National high tech software enterprise
- Licensing training base of China Electronics Society
- Participated in the preparation of data center planning and design talent standard of China Electronics Society
- Participate in the preparation of generic cabling professional skill level standard of China Electronics Society

CO-OP company

H3C

Life Is On | **Schneider**
Electric

AMPD
ENERGY

A2A
THE FUTURE IS NOW

EATON
Powering Business Worldwide



中国建设银行
China Construction Bank

WebSurfer
THE BROADBAND COMPANY

DELTA
TELECOM LTD

 **Kabellab** *Simple & Nice*



中国移动
China Mobile


紫光集团
TSINGHUA UNIGROUP

 **科大讯飞**
IFLYTEK



Schneider



Contract NO/合同号:
Vendor ID/供应商代码 :10001427

BRAND LABELING AGREEMENT
贴牌协议

This BRAND LABELING AGREEMENT (the "Agreement") is effective this _1_ day of _Jan_, 20_24_, and entered into by and between:
本贴牌协议 ("本协议") 由以下双方于 20_24_ 年_1_月_1_日订立并生效:

(Schneider Electric Information Technology (China) Co., LTD.), a PRC company with an office located at _Room 58, 3rd Floor, Building 1, No. 39, Jiatai Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, P.R.China_, acting for the purpose of this Agreement in its own name and in the name and on behalf of its Affiliates, the list of which shall be attached to this Agreement as **Attachment A** (hereafter "BUYER");
（施耐德电气信息技术（中国）有限公司），一家中国公司，地址位于 _中国（上海）自由贸易试验区加太路39号1幢三层58室_，为本协议的目的，以自己的名义并代表其关联企业（关联企业的清单见本协议附件A）（以下简称“买方”）；
And/和
Zhejiang Zhiting Information Technology Co.,Ltd. a PRC corporation, with an office located at No.8,Heli Road,Hecun town,Jiangshan,Quzhou,Zhejiang Province,P,R,China (hereafter "SELLER").
浙江智廷信息科技有限公司，一家中国公司，地址位于 浙江省衢州市江山市贺村镇贺丽路8号（以下简称“卖方”）。



Contract NO/合同号:
Vendor ID/供应商代码 :10001427

24.9. The headings provided in this Agreement are for convenience only and shall not be used in interpreting or construing this Agreement.
本协议的标题仅为方便的目的，不应被用于阐述或解释本协议。
24.10. This Agreement shall be written in both Chinese and English languages. In case of discrepancy between the two language versions, the Chinese language shall prevail.
本协议由中英文书写，如两种语言文本存在不一致，以中文为准。

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement in two counterparts as of the date and year written above.
有鉴于此，双方于文首日期签署本协议，一式两份。

By/由 施耐德电气信息技术（中国）有限公司 By/由 浙江智廷信息科技有限公司

Printed Name/姓名: Printed Name/姓名:

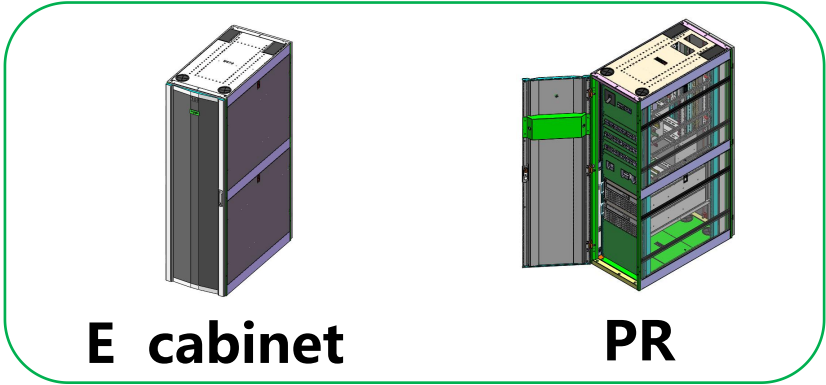
Title/职位: Title/职位:

Date/日期: Date/日期:



Schneider Quality control

Cooperative product type:
E cabinet&One&Mini&Row&Pod&PR100



成品检验一次合格率（年度指标 98%）													
月份	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	2023年度汇总
生产台数	17	106	232	155	344	158	293	62	286	244	155	294	2346
不良品台数	0	3	3	3	4	3	3	3	3	6	6	6	43
良品台数	17	103	229	152	340	155	290	59	283	238	149	288	2303
合格率	100.0%	97.2%	98.7%	98.1%	98.8%	98.1%	99.0%	95.2%	99.0%	97.5%	96.1%	98.0%	98.2%
目标	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%

Quality control

Since 2022 our company co-op with Schneider electric team unitll end of 2023 , through quality meeting, incoming inspection, process inspection and other measures, the qualified rate of finished products from 80% to 98.2%



PART 2

Micro module
development trend

The trend of data center

Cloud

Private cloud

Public cloud

Mixed cloud

Huge data

Major storage

High speed operation

AI /VR

Edge internet

Edge calculation

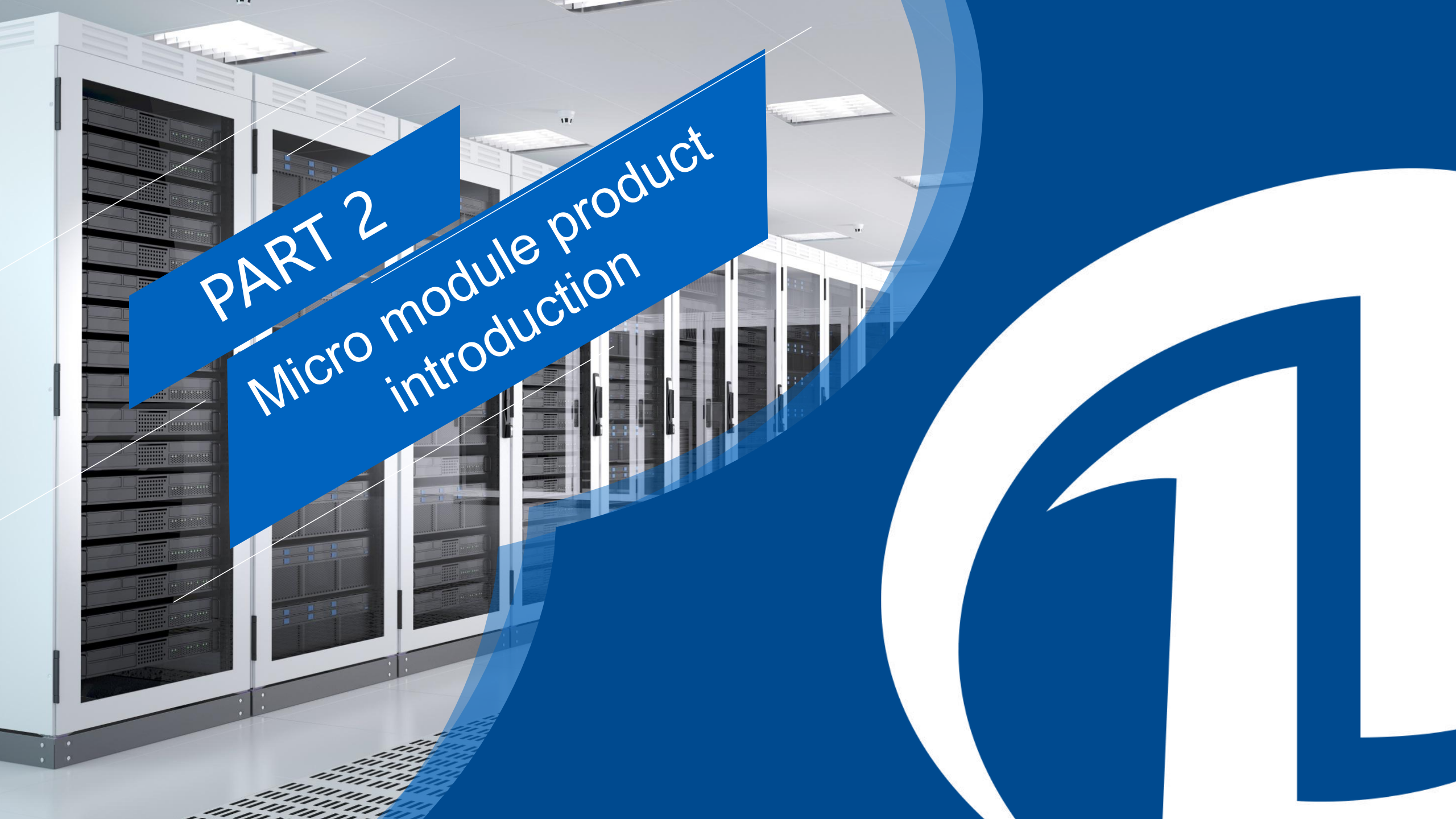
IOT/ISP

Low power consumption, modular, product and service

PC era to the mobile era

Clouds, fog





PART 2

Micro module product
introduction

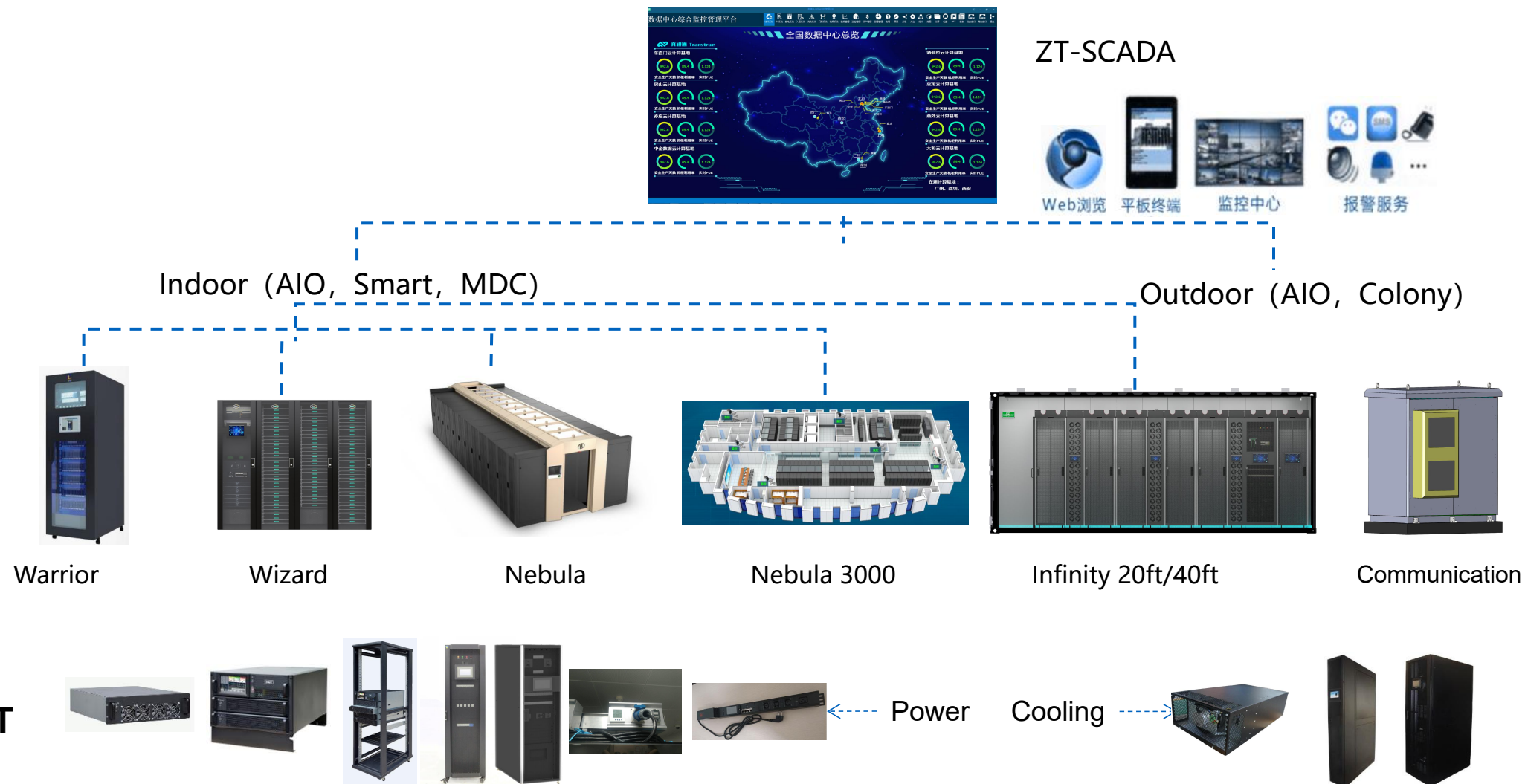


Data Cente POD

Data center POD integrates IT rack ,containment, HVAC system, power distribution system,UPS, wiring system, intelligent system (monitoring, security) and so on. It takes the lead in adopting weak electric signal wireless transmission technology, fault automation early warning and processing technology, PAD mobile operation and maintenance technology, cold-electricity fusion linkage technology and so on. Series of cutting-edge technologies make data centers simpler, more efficient and more reliable



Overall Solution





The value of Warrior series

1

Product = Design

Saving TCO: reusable, long service life

Shortening cycle: design, construction period
is short

Insulation cabinet Intelligent terminal

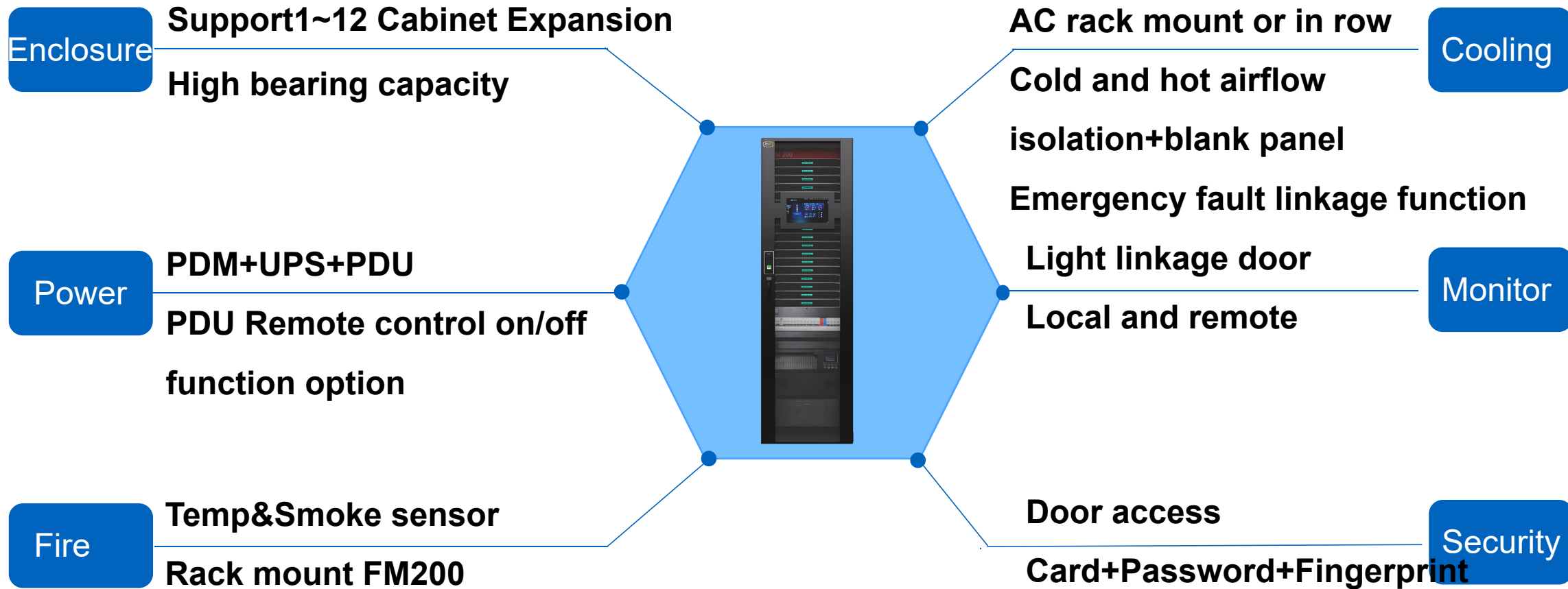
Airflow Management Emergency exhaust

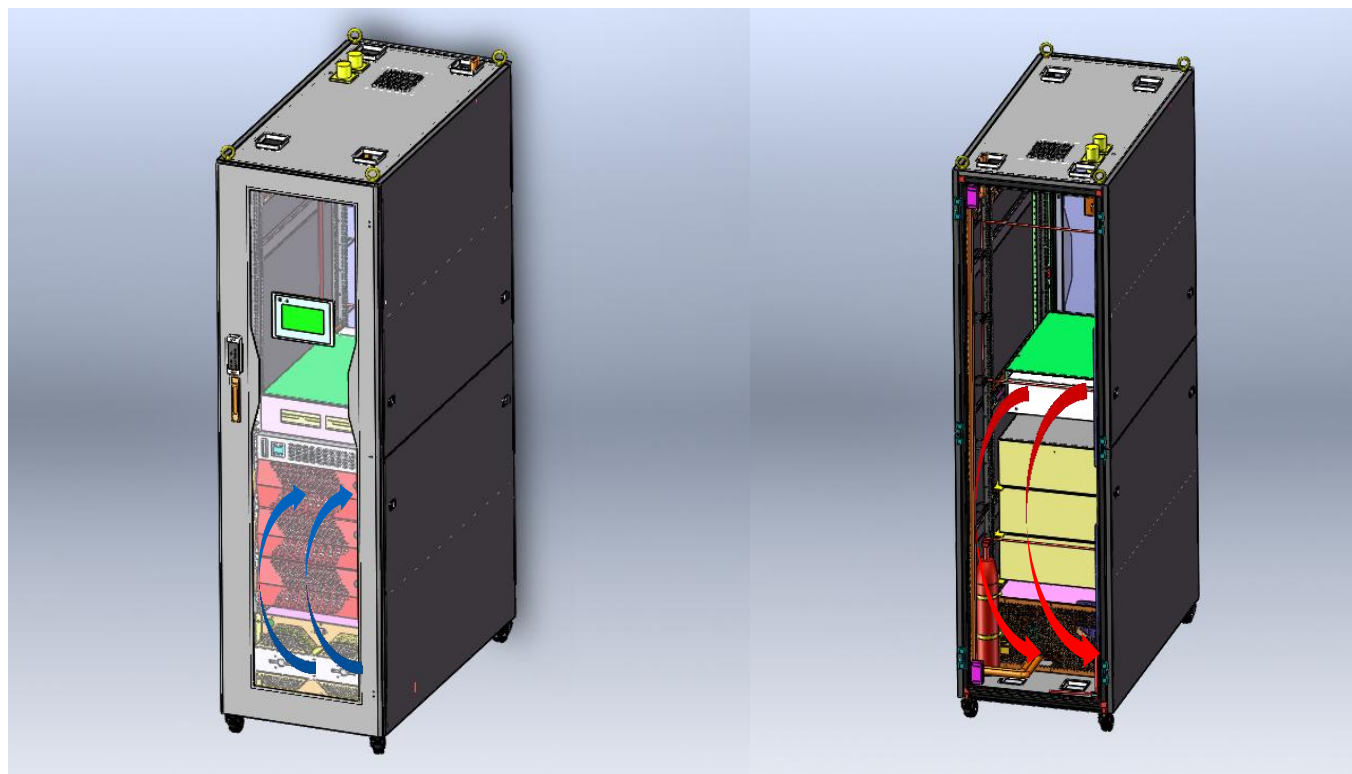
PDM power distribution UPS and battery

Cable management



Warrior/Wizard System Diagram





Warrior airflow diagram



Cold source
airflow



Hot source
airflow



Application of Warrior

Power substation

Communication base station

High - speed rail base station

Financial ATM room

Maritime ship communication cabinet

Small enterprises and institutions

etc



Successful case

China Merchants Bank

Deqing Road Transport
Administration

Yuxi State Taxation Bureau

Jiaxing Pinghu Construction
Planning BureauSection

Food Safety Project in
Zhumadian

etc





The values of Wizard series

1

Rapidly deploy highly integrated products for small data center

Customization: Customization according to customer requirements, including appearance, color, structure, and combination

Server rack

Power distribution

DCIM

Intelligent control

Airflow management

Cable management



The values of Wizard series

2

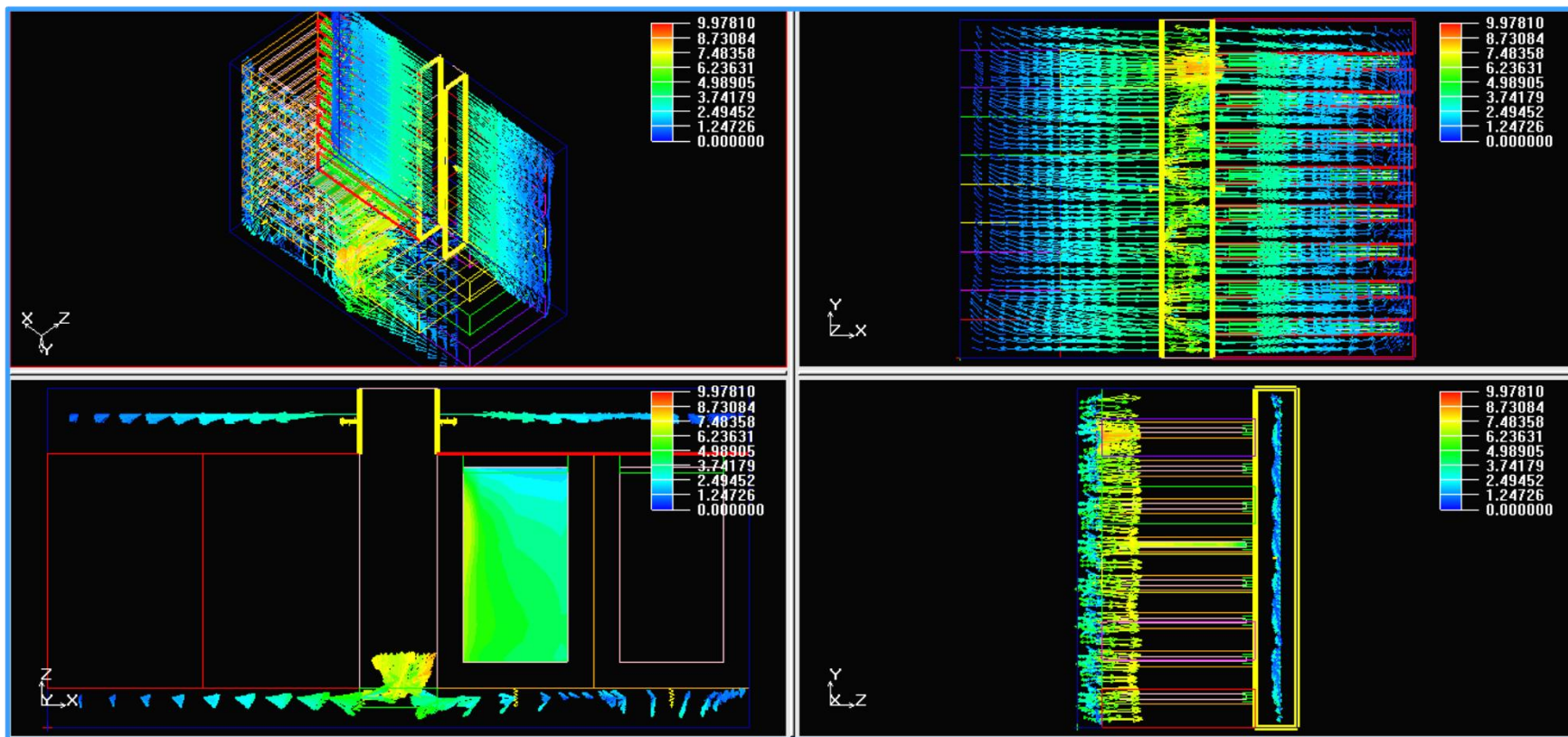
Quickly deploy

Factory prefabricated: custom orders - site survey - production - factory pre installation - disassembly package

Field installation: Stand-alone unit in place - Communication wire laying - Power supply connection - Jumper connection - System commissioning

Green and energy saving: PUE value <1.6

Simulation: six cabinets product, each server cabinet 3KW, with 25KVA rack-mounted UPS, using 2N system operation mode, the cooling with two power of 7.5KW, leading air conditioning air conditioning, 1 +1 operation, PUE average value of 1.5



Airflow map of Wizard

1

Single row closed
structure design: double
hollow fire-proof glass.

2

Cooling efficient
operation, Inter-line air
condition design .

3

Modular value embodies:
customization, free
expansion.

4

System architecture
backup: modular UPS
system, air conditioning 1
+ 1, emergency fan be
started

5

Monitoring: touch sceen,
remote or local
more convenient, faster,
and better!oni

The functions and features of Wizard



The application of Wizard

Government system at all levels of the county

Education System Primary School, Middle School

Municipal Education Bureau
Power grid C2 class room,

All kinds of the substation

The branch of financial system

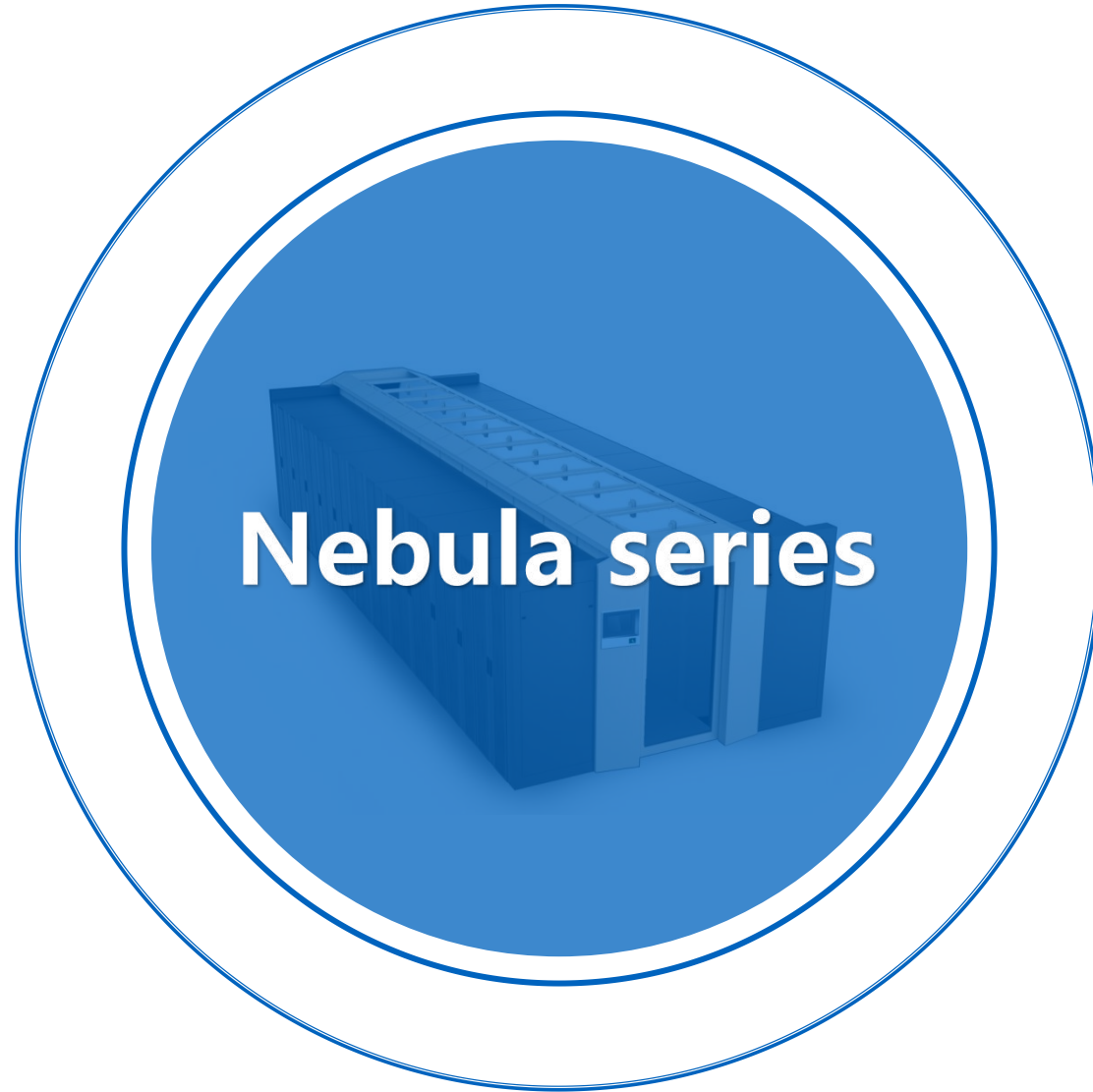
Small micro-branch

Public security system county branch



Success case

Amazon Supermarket
Management Center
Jingning She County
Administrative Service Center
Grain Bureau of Zhejiang
Province
Jixi County Library
Henan land tax
etc



VTU20 Monitor Management



Pre-assemble, pre-commissioning in factory



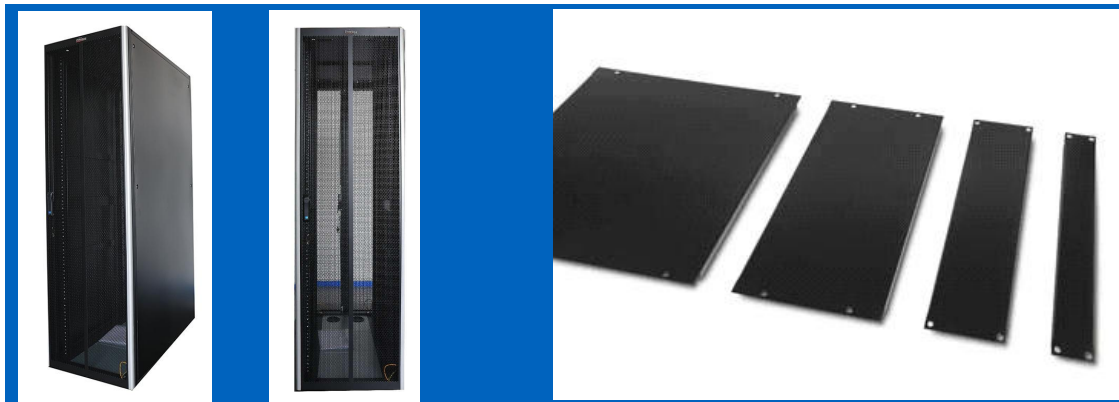
**Fast deployment
Flexible expansion**



Server cabinets

- 1、Ten-fold structure
- 2、 Complete specifications, free choice
- 3、 75% ventilation rate
- 4、 Many kinds of cable management
- 5、 Blank panel to prevent the cold and heat air cross

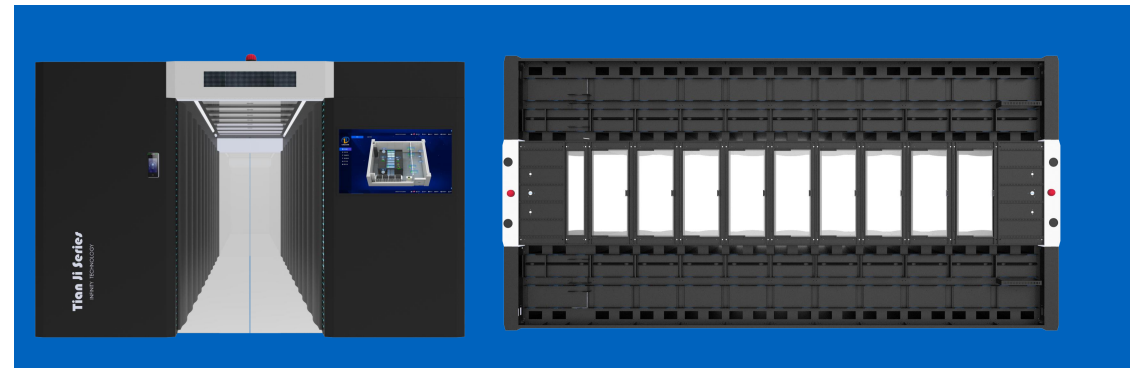
[Video](#)



Containment

- 1、 Cold/hot aisle
- 2、 Auto or manual slide door
- 3、 Tempered glass material or polycarbonate panels
- 4、 Ceiling and fire linkage can be automatically opened and closed
- 5、 Touch monitoring screen
- 6、 Door access

[Video](#)



Power distribution panel

1 SPDC intelligent precision distribution cabinet to monitor the voltage, current, frequency, power, harmonics and other electrical parameters .

2 Hot-swappable adjustable phase circuit breaker optional.



36

ATS切换器



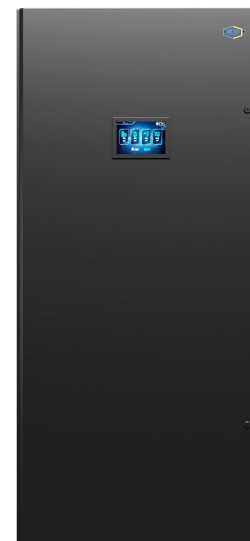
支路电流精密采集



简洁母线排

AC cooling

- AC Inrow
- AC Inroom



Intelligent Busbar



High efficiency

Resource utilization:
optimization

Refrigeration efficiency: green
and energy saving

Operation and maintenance
efficiency: cloud access

Low energy

Green room: green energy-
saving technology, energy
efficiency increased by 15% to
30%

Vertical energy saving:
infrastructure and IT
equipment linkage energy
saving, load balancing

Quick installation

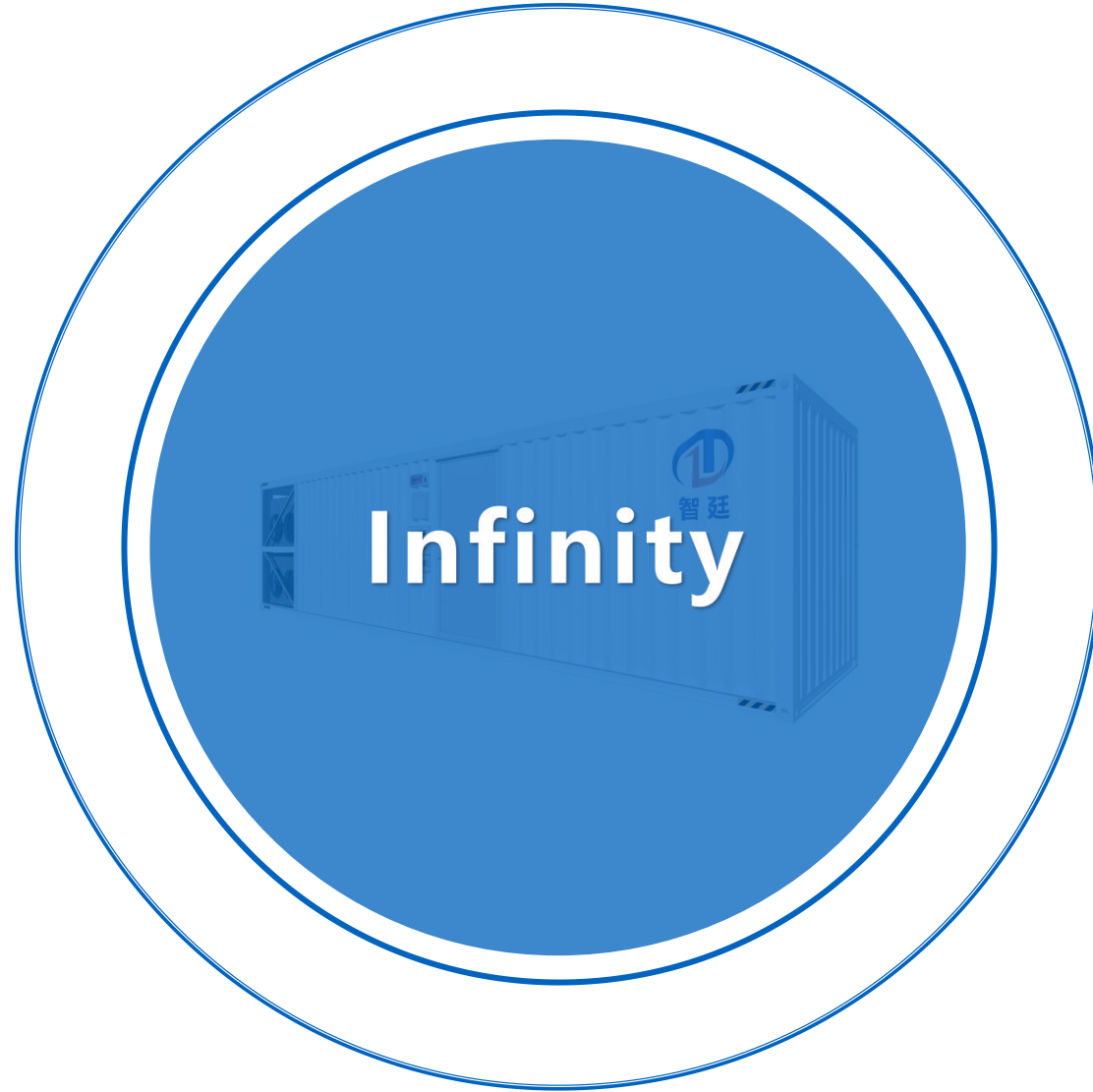
**Construction period: more
than 50% increasing**

Flexible

Flexible expansion: integrated
ceiling and plug-in components
flexible expansion

Flexible combination: inrow air
conditioner, UPS host flexible
combination

The features of Nebula series



The value of Infinity series.

1

Fast deployment

Prefabricated modular data centers can be deployed very quickly and the delivery times only 30 days. By contrast, it usually takes months to build a traditional data center.

Container data centers and prefabricated units can be deployed at any location specified by the adopter.

Low cost

Container is much simpler than data center decoration, which reduces the cost for users.

2

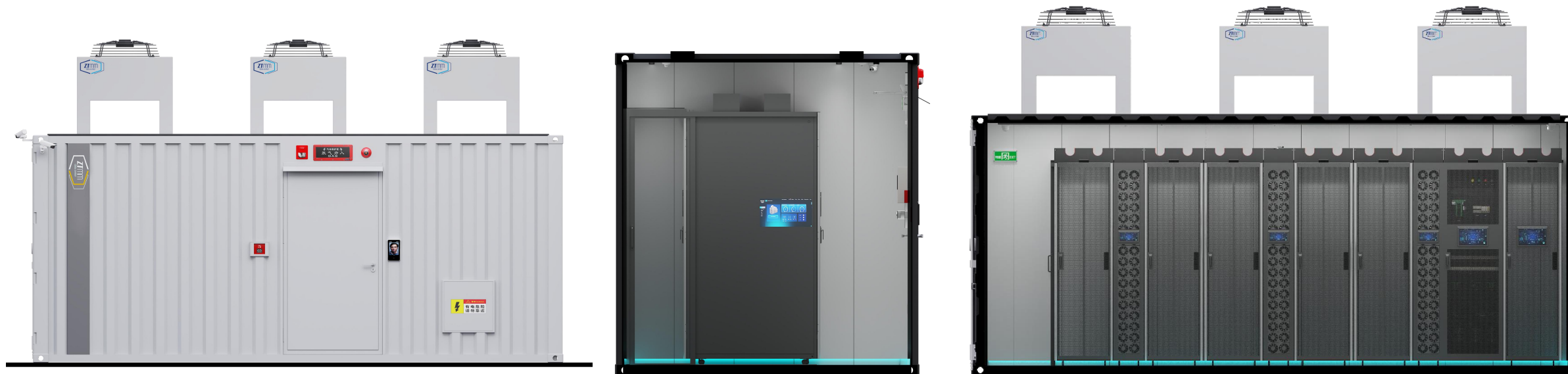
Flexible

More space can be added if needed, by adding a container data center, prefabricated unit or construction areas.

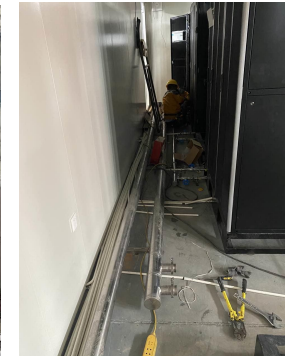
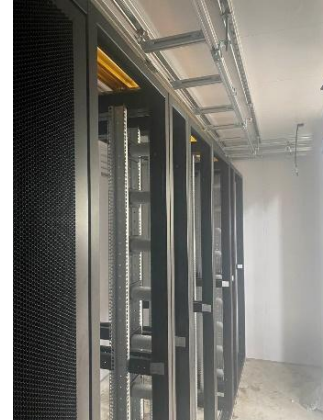
Safety and reliable

The cabinet enclosure adopts anti-salt fog and heat preservation treatment can achieve IP55 grade protection, equivalent seismic performance of 9 intensity. Access control, video, infrared multiple protection.

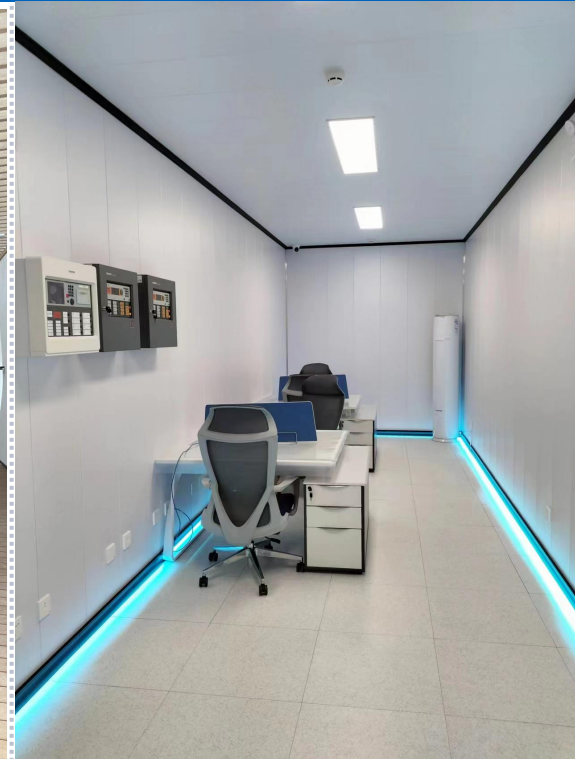
Render images



Productive process



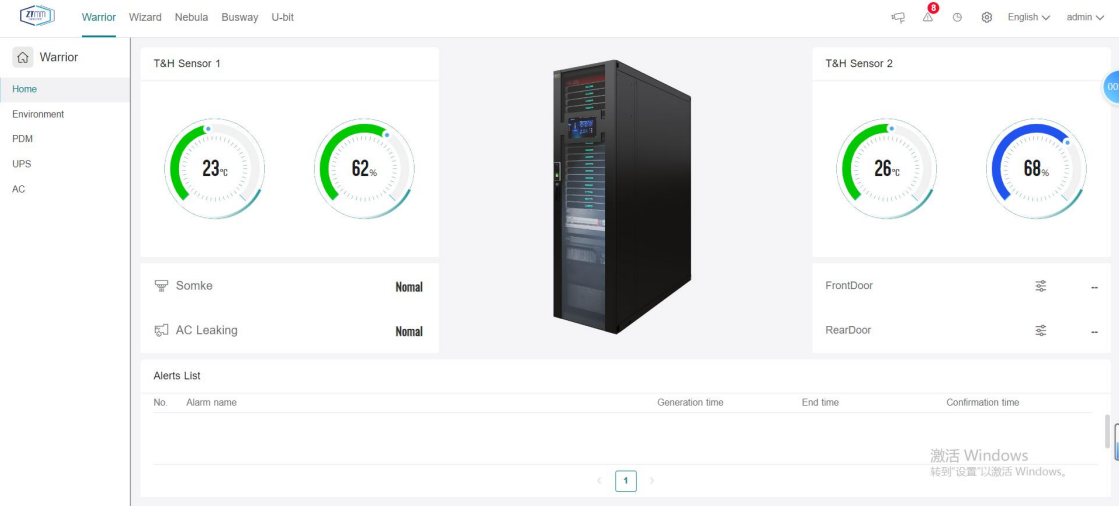
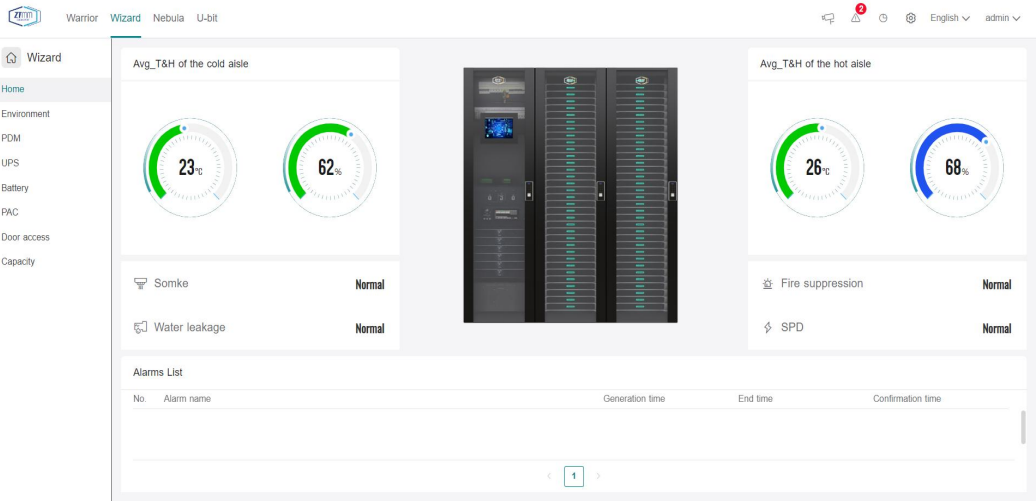
Sucessful Case

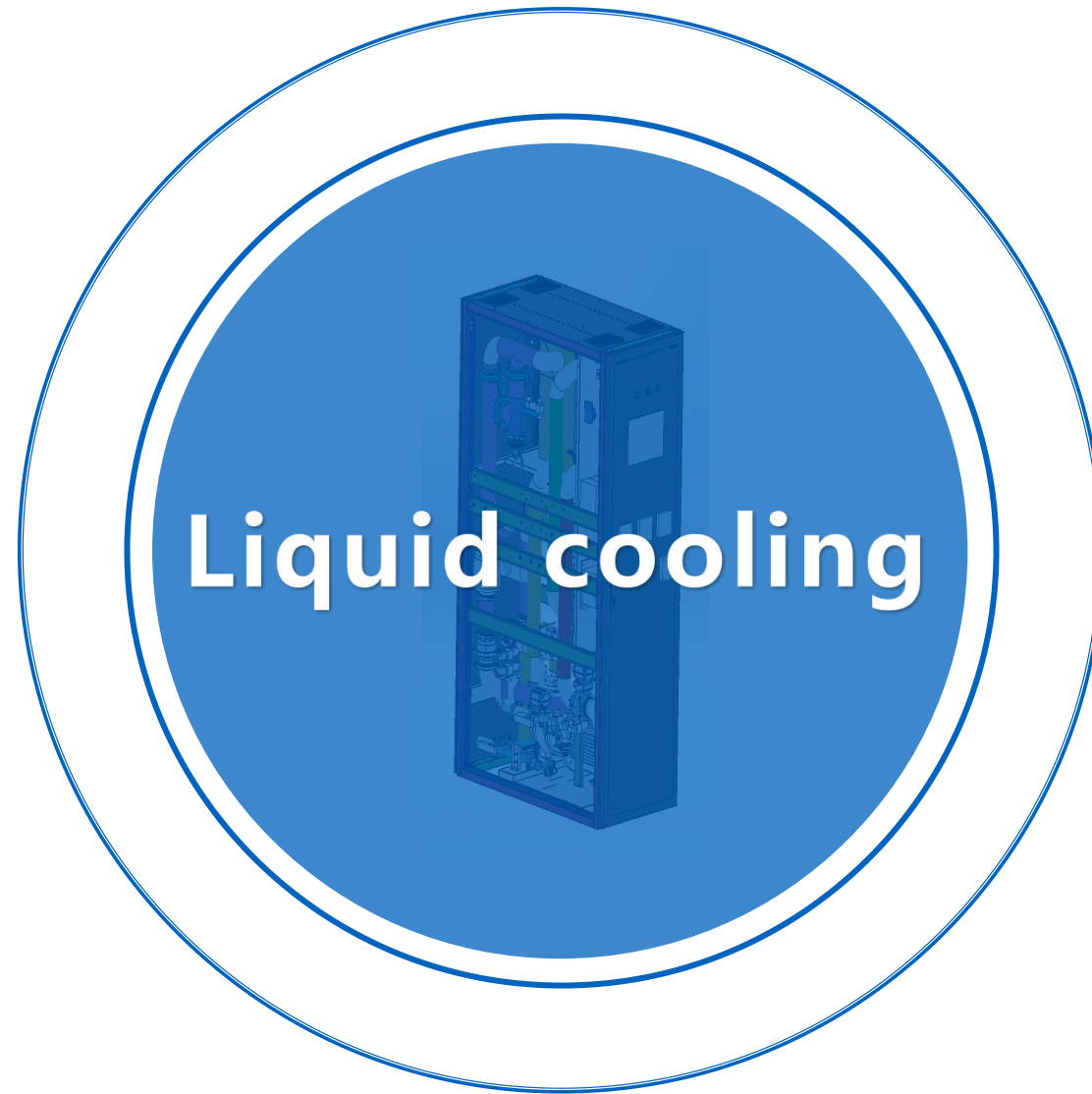






Monitoring



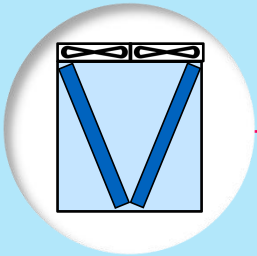


Data Centre Scheme

Scheme——Cold plate type

Primary side system

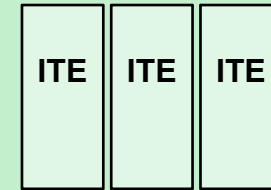
Outdoor cooling unit



Water pump

Secondary side system

Liquid cooling IT cabinet



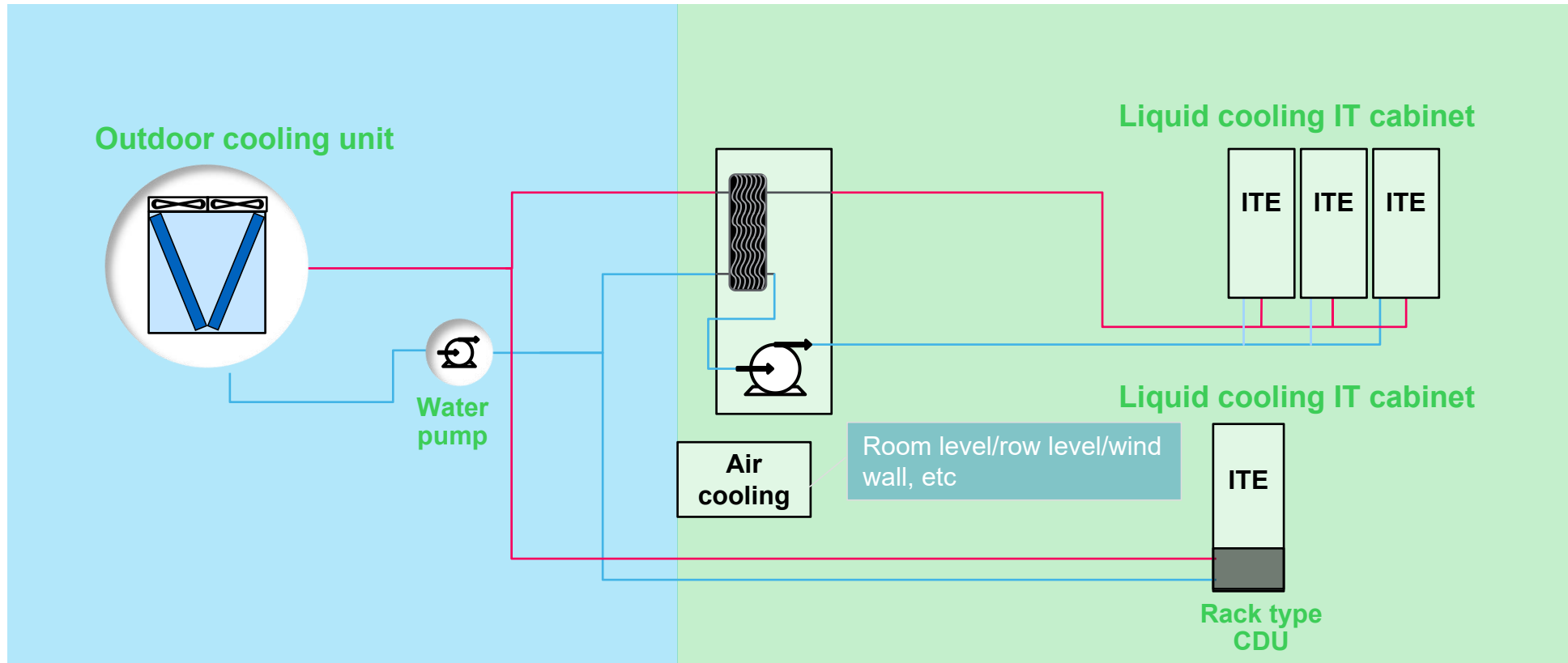
Liquid cooling IT cabinet



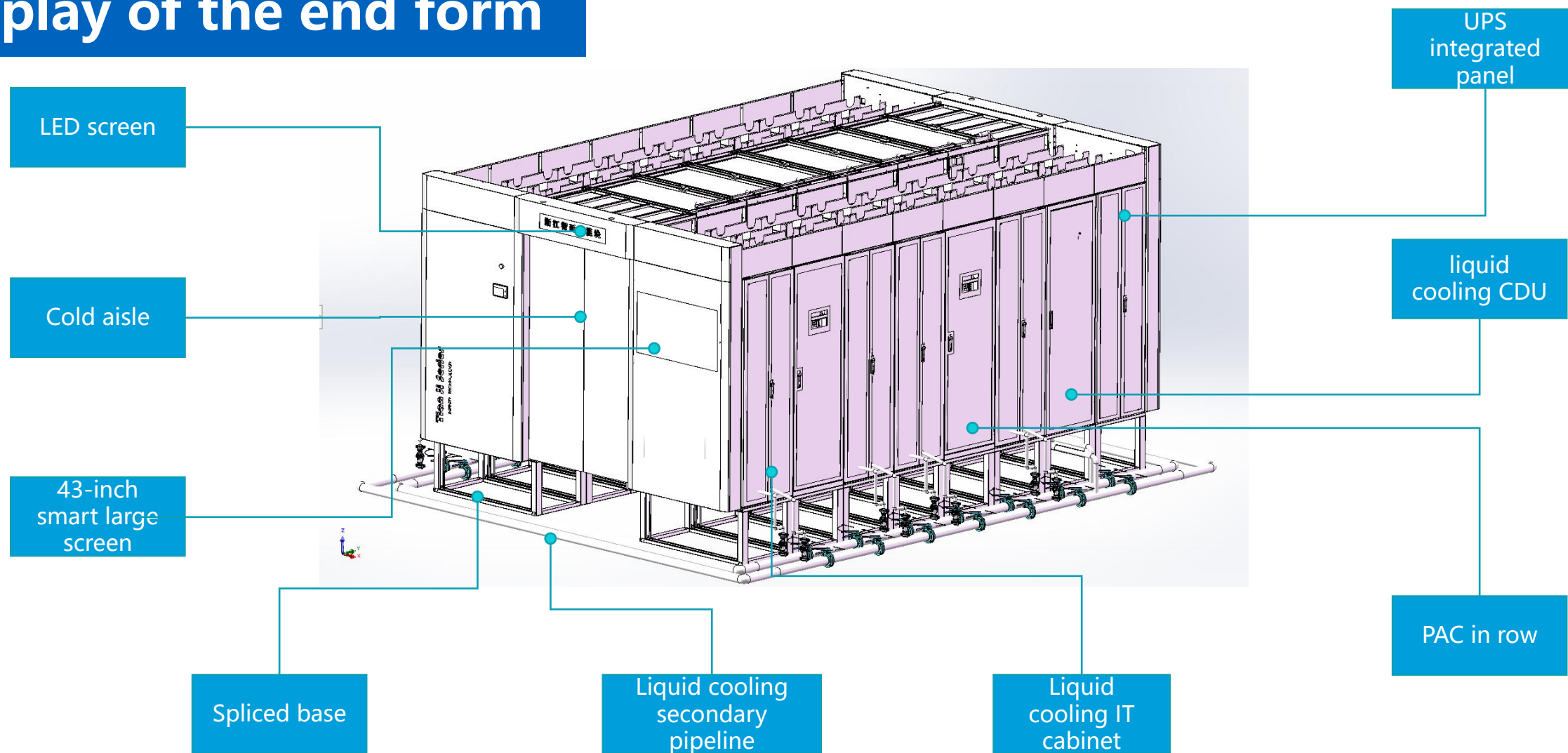
Rack type
CDU

Air
cooling

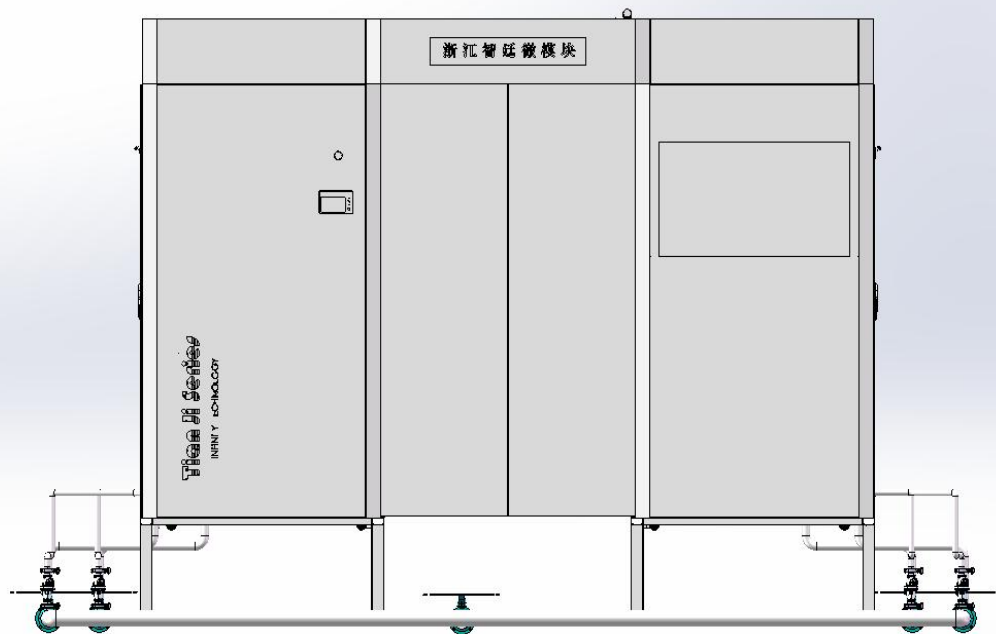
Room level/row level/wind
wall, etc



Display of the end form



Display of the end form



Front view

Liquid cooling data centre



Side view

Secondary architecture

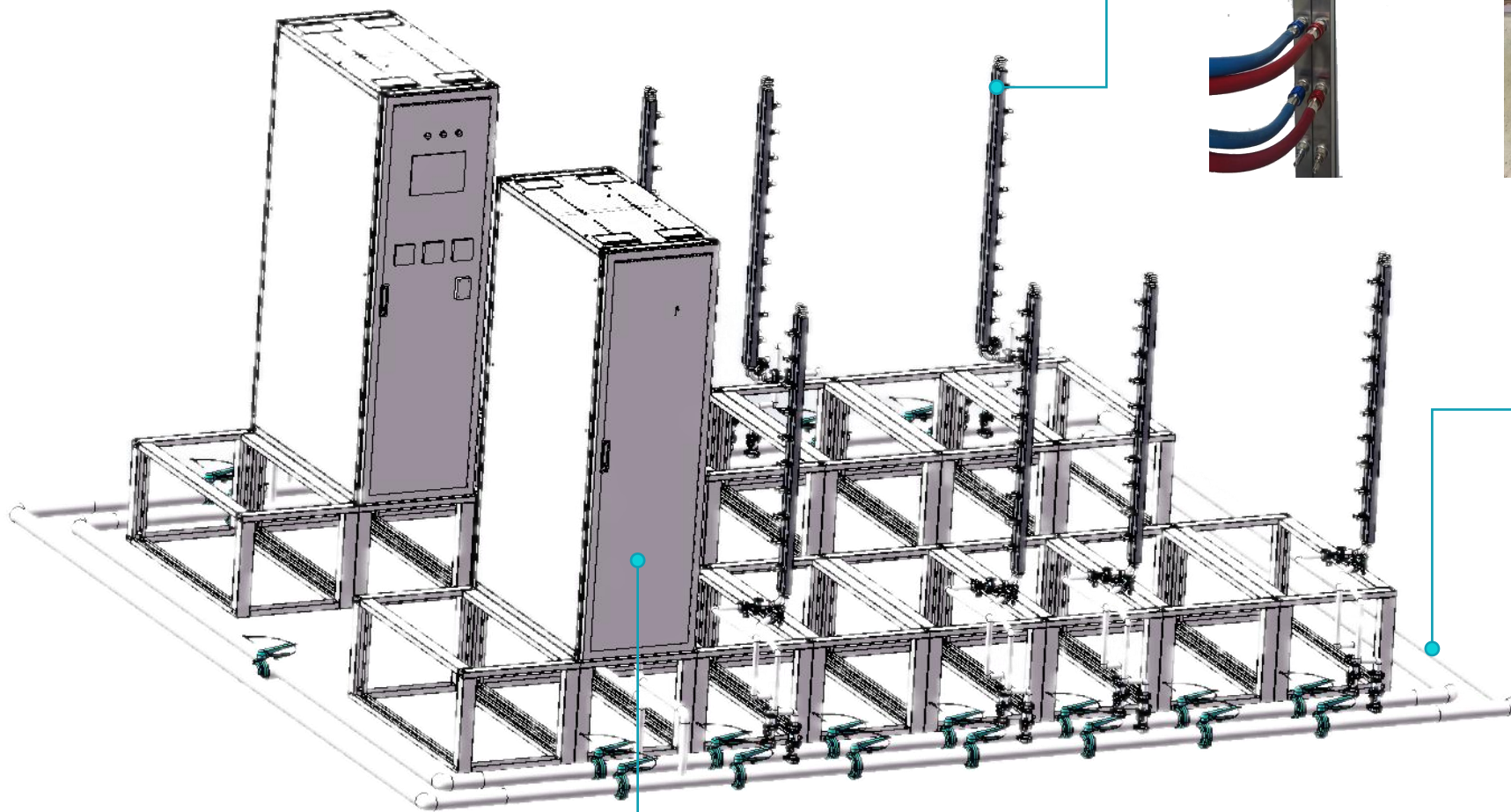
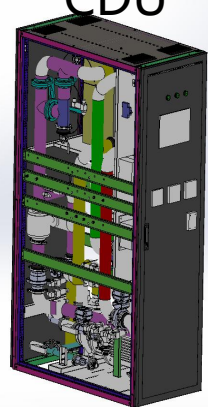
» Liquid cooling «
water collector



» Prefabricated pipeline «



» Centralized liquid cooling
CDU «



Display of the end form

Cold plate liquid cooling-liquid cooling cabinet

1. Cabinet system;
 - 10% discount cabinet patent;
 - Static loading 3000kg,
2. Intelligent PDU
3. Fully customised water collector (manifold), the overall material is made of 40*40,304 stainless steel, which supports specific content customisation according to the actual location and height of the server.
 - A single maximum support for 72L/min import and export flow, the maximum support for 100kW heat transfer customization;
 - The joint adopts interlocking ball valve, which can be quickly installed and disassembled;



Liquid cooling cabinet

Intelligent power distribution unit

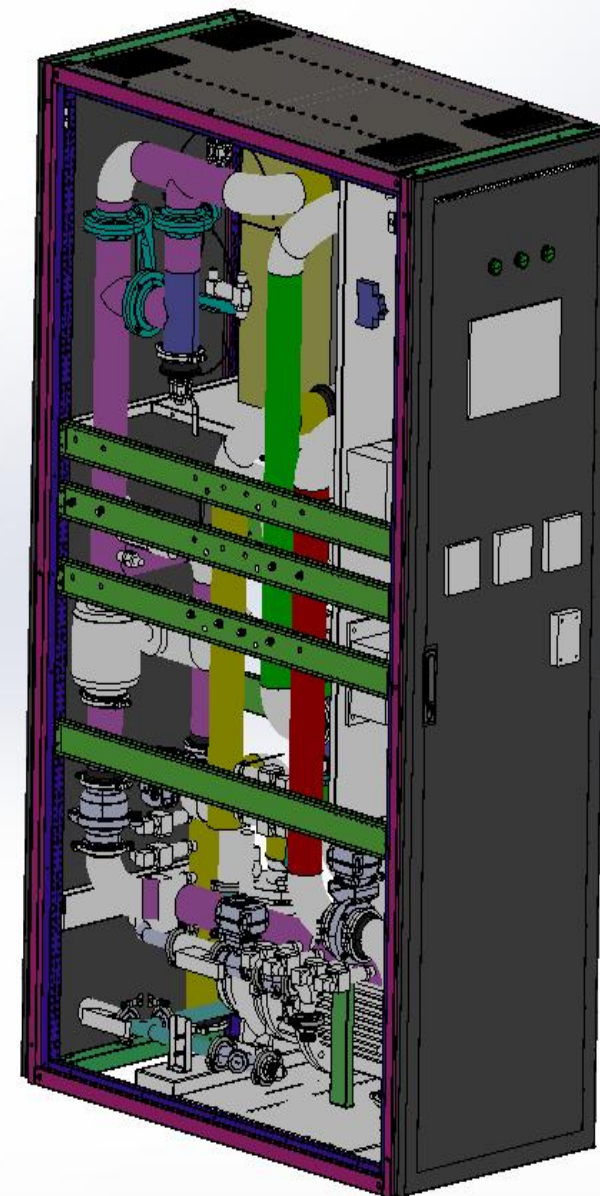


secondary liquid cooling water collector

Liquid cooling Data Centre Scheme

Centralized liquid cooling CDU

1. The contact part between the system and the liquid is all made of 304 stainless steel and EPDM rubber for overall linkage;
2. The system adopts dual power supply 1+1 redundancy design, which can realise automatic switching after the power supply is lost;
3. The system adopts a 10.1-inch touch screen and is controlled by Siemens PLC;
4. The system adopts temperature difference control and pressure difference control double closed-loop control system is more accurate and the system is more stable;
5. The system adopts a variable-frequency centrifugal pump, which supports 30%~100% flow adjustment, and the supply and return liquid control accuracy is $\leq \pm 0.5^{\circ}\text{C}$;

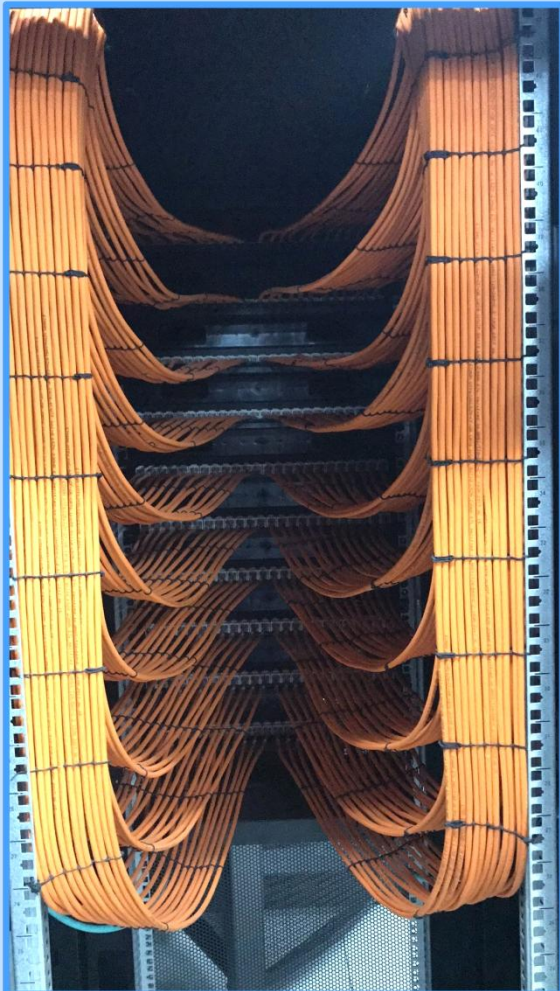


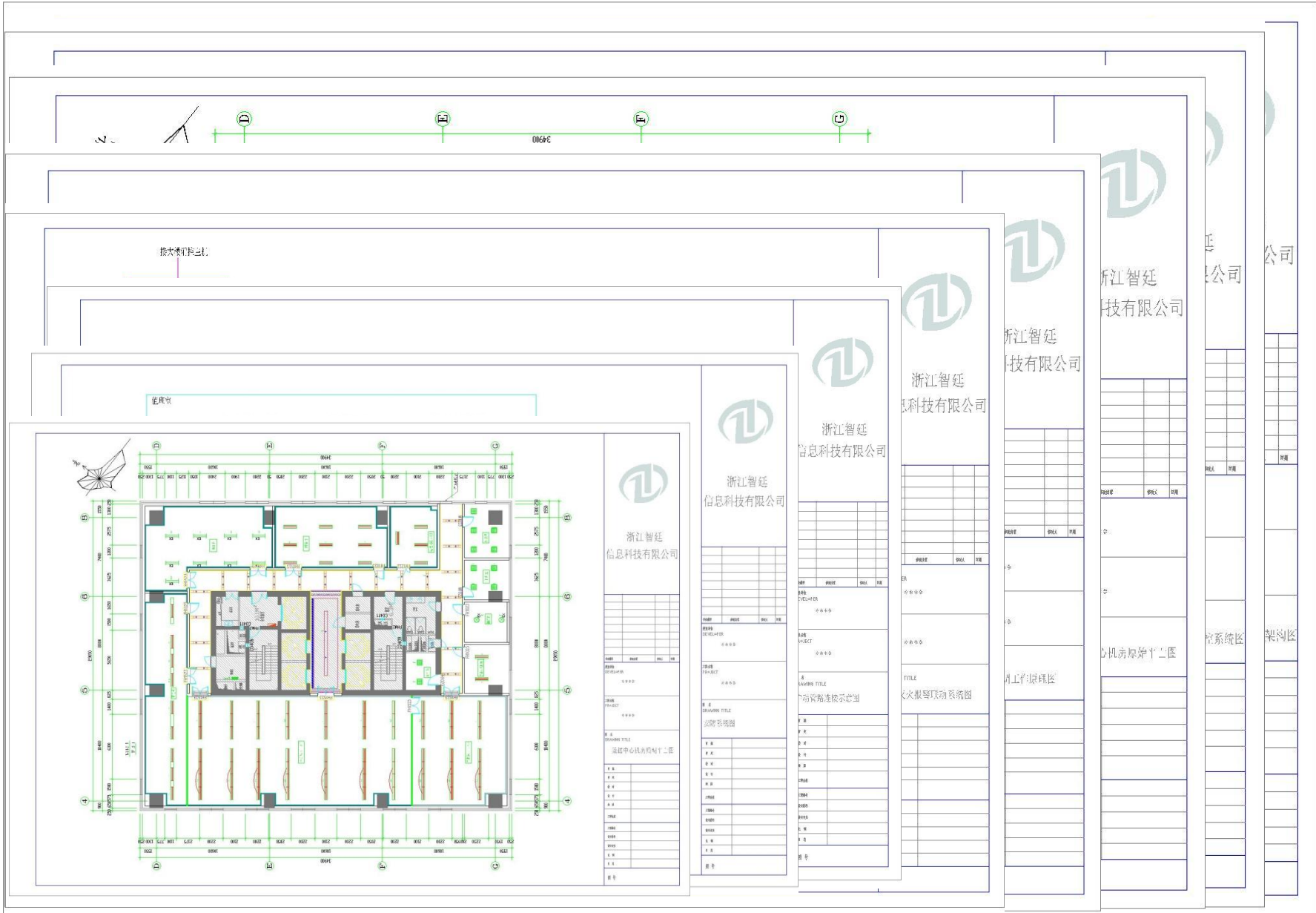


PART 3

Service

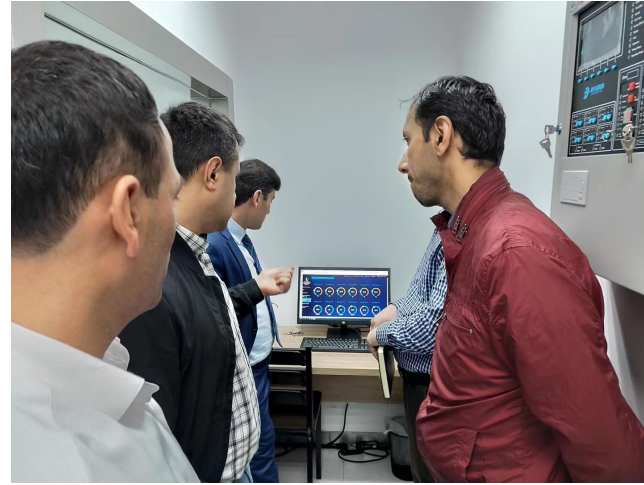
Provide infrastructure implementation







Tajikistan National Electric Power BT Project



浙江智廷信息科技有限公司

Zhejiang ZhiTing Information Technology Co.,Ltd

Bank in Brunei



智廷
科技

THANK
YOU