

源自产业 更懂工业

ROOTED IN INDUSTRY.
WE UNDERSTAND INDUSTRIAL NEEDS.

企业与解决方案

CORPORATE PROFILE & SOLUTIONS

算力基建一站式解决方案服务商

YOUR ONE-STOP PARTNER FOR COMPUTING INFRASTRUCTURE

液冷管路与产品 × PLC自动化 × AI应用服务

LIQUID-COOLING PRODUCTS × PLC AUTOMATION × AI APPLICATION SERVICES

湖南隽辉新材料科技有限公司

HUNAN JUNHUI NEW MATERIAL TECHNOLOGY CO., LTD.

行业场景 / Industry context

源自产业 更懂工业

ROOTED IN INDUSTRY.
BUILT AROUND YOUR APPLICATION.

湖南隽辉新材料科技有限公司围绕算力与工业流体应用，整合管路、快接、介质及阀门传感，按项目配置PLC集成与AI辅助服务。

Junhui connects fluid products with sensing and control for computing and industrial applications, with PLC integration and AI-assisted services configured for each project.

机房与CDU管路

Data center & CDU piping

UQD与双互锁

UQD & dual-interlock couplings

软管总成与分液

Hose assemblies & manifolds

冷却液与氟化液

Coolant & fluorinated fluids

阀门传感与PLC

Valves, sensors & PLC

人工智能应用服务

AI application services

工业流体应用场景

Industrial fluid application context

三层降本，三层提效。

LOWER COSTS. GREATER PROJECT EFFICIENCY.

01

采购降本

Sourcing costs

AI辅助核对清单，整合产品配套

AI-assisted list review and coordinated supply.

02

施工降本

Installation costs

接口、点位与PLC逻辑前置确认

Confirm interfaces, I/O and PLC logic early.

03

备料降本

Inventory costs

按台账与维护计划组织备料

Align stock with asset and service records.

01

选型提效

Selection efficiency

AI匹配候选，工程师复核

AI-assisted matching, reviewed by engineers.

02

交付提效

Delivery efficiency

产品、PLC与现场联调衔接

Coordinate products, PLC and commissioning.

03

服务提效

Service efficiency

AI归纳异常，形成维护建议

AI-assisted review supports service advice.

把产品、控制与应用数据连接起来。

PRODUCTS. CONTROL. DATA. ONE COORDINATED SOLUTION.

按项目配置的融合架构

PROJECT-CONFIGURED INTEGRATION ARCHITECTURE



选型协同

SELECTION

图纸与规格 → 候选清单 → 人工复核

Drawings & specs → Shortlist → Engineer review

控制协同

CONTROL

点位与逻辑 → PLC集成 → 现场验证

I/O & logic → PLC integration → Site validation

运维协同

SERVICE

运行记录 → AI归纳 → 维护反馈

Operating records → AI review → Service feedback

核心行业应用

CORE INDUSTRY APPLICATIONS

算力与数据中心

COMPUTING &
DATA CENTERS

CDU管路与双互锁快换

CDU piping and dual-interlock couplings

UQD快接、阀门与传感器

UQD couplings, valves and sensors

PG25与氟化液供给

PG25 and fluorinated fluid supply

AI运行趋势与异常辅助

AI-assisted trends and anomaly review

02

风电润滑与冷却

WIND TURBINE
LUBRICATION & COOLING

橡胶软管总成

Rubber hose assemblies

金属硬管与焊接管件

Rigid metal pipes and welded fittings

波纹软连接

Flexible metal bellows

AI维护记录与工况归纳

AI-assisted service and condition review

03

工商业储能

COMMERCIAL & INDUSTRIAL
ENERGY STORAGE

液冷主管与分支管路

Liquid-cooling mains and branches

尼龙与不锈钢管路

Nylon and stainless-steel piping

软管总成与连接组件

Hose assemblies and connection parts

AI温度趋势辅助分析

AI-assisted temperature trend analysis

核心行业应用

CORE INDUSTRY APPLICATIONS

生物制药设备配套

BIOPHARMA
EQUIPMENT CONNECTIONS

硅胶软管配套

Silicone hose packages

软管连接与接口组件

Hose connections and end fittings

按图选型与总成供应

Drawing-based selection and assembly supply

AI材料资料与规格核对

AI-assisted material and specification review

05

工程机械

CONSTRUCTION &
MINING MACHINERY

高压胶管总成

High-pressure hose assemblies

金属硬管总成

Rigid metal pipe assemblies

非标连接与焊接件

Custom connections and welded parts

AI软管选型与维护归档

AI-assisted hose selection and service records

06

氢能与硅能设备配套

HYDROGEN & SOLAR-SILICON
EQUIPMENT CONNECTIONS

设备配套软管

Equipment hose packages

金属管路与连接组件

Metal piping and connection parts

材料、密封与接口匹配

Materials, seals and port matching

AI介质与材料资料检索

AI-assisted fluid and material document search

机房搭建，连接到现场。

DATA CENTER FIT-OUT & PRIMARY-SIDE PIPING



一次侧管路应用展示
Primary-side piping application



管路实施 × 点位规划 × 系统对接

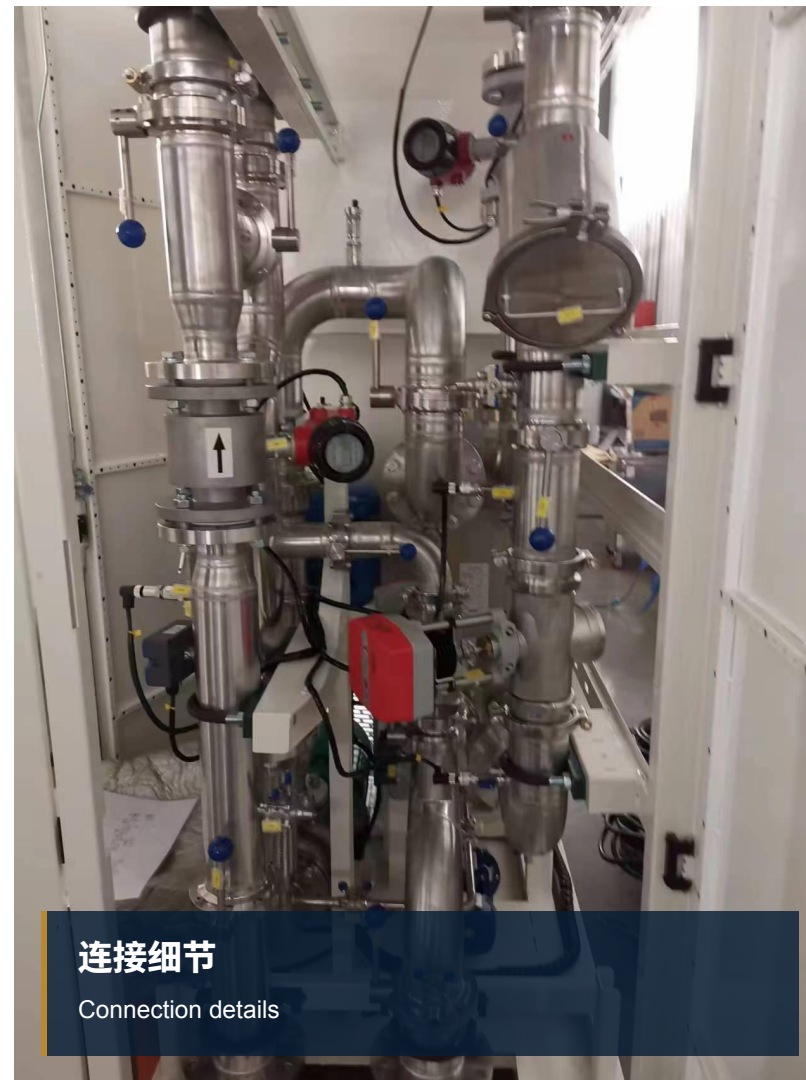
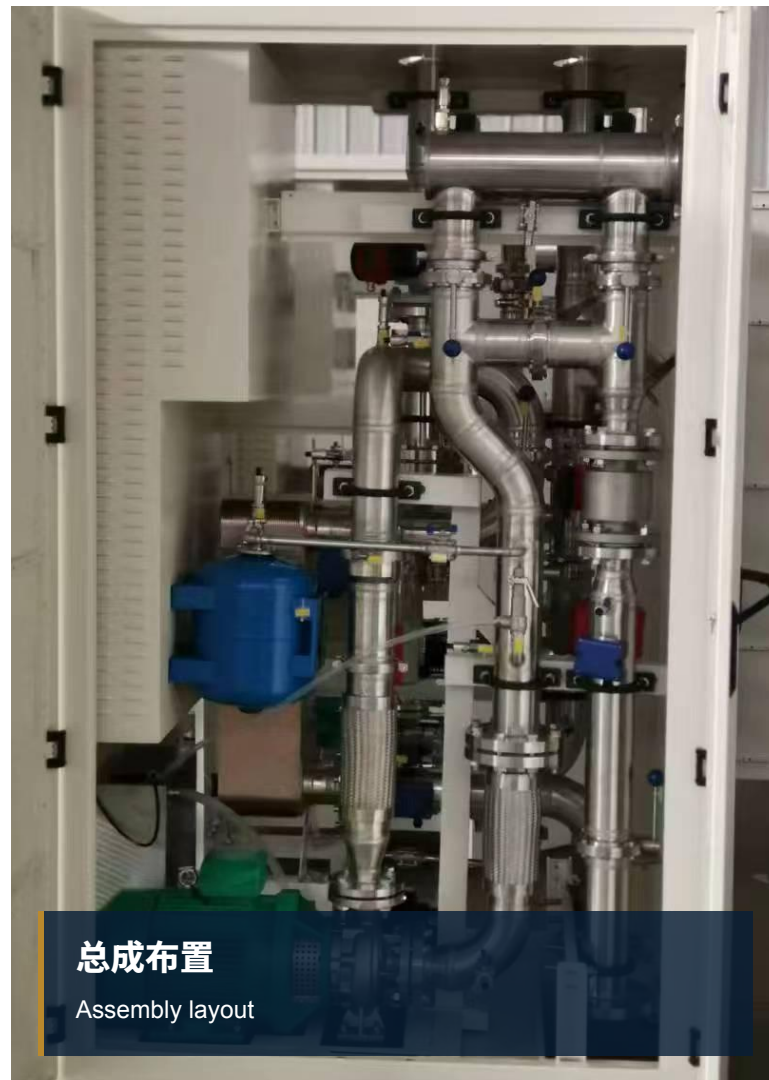
PIPING / I/O PLANNING / SYSTEM INTEGRATION

AI辅助整理图纸与清单；按项目对接PLC点位、设备接口和联调记录。

AI-assisted drawing and material-list review, with project-defined PLC I/O, equipment interfaces and commissioning records.

CDU管路，按设备接口配齐。

CDU PIPING & CONNECTION ASSEMBLIES



从连接到数据

FROM CONNECTION TO DATA

AI辅助接口核对

AI-assisted interface review

快接、互锁与软连接

Couplings, interlocks and hoses

PLC采集接口对接

PLC data-interface integration

运行记录辅助分析

Assisted operating-data analysis

UQD液冷快接，连接机柜与设备。

UQD QUICK COUPLINGS | FROM RACK TO EQUIPMENT

UQD

推入式连接
平面阀结构

Push-in connection
Flat-face valve design



插头与插座 / Plug & socket

316L

不锈钢本体
Stainless-steel body

0-11 bar

工作压力
Working pressure

EPDM

标准密封
Standard seal

机柜分液 · 支路软管 · 设备接口

RACK MANIFOLDS / BRANCH HOSES / EQUIPMENT PORTS

AI辅助比对型号、接口与材料，工程师复核适配。

AI-assisted comparison of models, ports and materials, with fit reviewed by engineers.

UQD02

DN03

有效通径
Effective bore

配套软管内径 1/4"

Push-lock hose ID 1/4"

UQD04

DN05

有效通径
Effective bore

配套软管内径 3/8"

Push-lock hose ID 3/8"

UQD06

DN07

有效通径
Effective bore

配套软管内径 1/2"

Push-lock hose ID 1/2"

UQD08

DN10

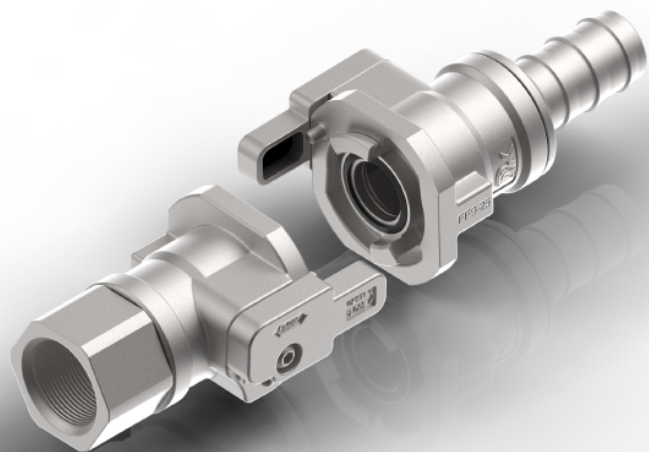
有效通径
Effective bore

配套软管内径 5/8"

Push-lock hose ID 5/8"

双互锁快换，连接与开闭有序衔接。

FF9 DUAL-INTERLOCK COUPLINGS | CONNECT. OPEN. CLOSE. DISCONNECT.



FF9 • AI辅助规格核对

FF9 / AI-ASSISTED SPECIFICATION REVIEW

1" / 1.5" / 2"

公称规格

Nominal sizes

12 bar

工作压力

Working pressure

304 / EPDM

本体 / 标准密封

Body / standard seal

20.5 / 32 / 38.5 mm

EFFECTIVE BORE

内螺纹 • 卡箍 • 宝塔接口

FEMALE THREAD / CLAMP / HOSE BARB

01

对齐连接

ALIGN & CONNECT

02

旋柄通液

TURN TO OPEN

03

关阀截流

CLOSE THE VALVES

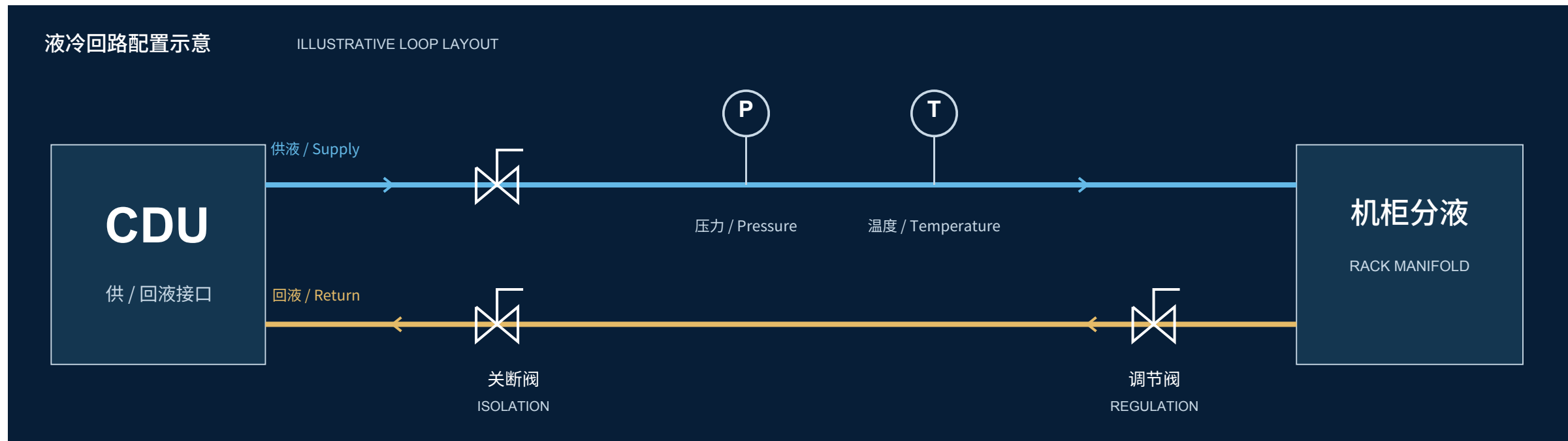
04

分离断开

DISCONNECT

阀门与测点，衔接PLC和AI应用。

VALVES & MEASUREMENT POINTS | CONNECTING PLC CONTROL AND AI ASSISTANCE.



隔离关断

ISOLATION

主管与分支检修边界

Define main and branch isolation.

PLC对接

PLC INTERFACE

电动执行器与反馈按需配置

Actuation and feedback as specified.

测点预留

MEASUREMENT

压力、温度信号进入PLC

Pressure and temperature inputs to PLC.

AI辅助分析

AI ASSISTANCE

归纳记录，提出排查建议

Review records and suggest checks.

压力与温度，把工况变为信号。

PRESSURE & TEMPERATURE | TURN OPERATING CONDITIONS INTO SIGNALS.

MB320

压力变送器

PRESSURE TRANSMITTER



24 VDC

供电电源 / Supply

4-20 mA

输出可选 / Output option

1-5 V

输出可选 / Output option

M20 × 1.5

连接示例 / Port example

GW100

温度传感器

TEMPERATURE SENSOR



Pt100 / Pt1000

分度号可选 / RTD options

A / B

精度等级 / Accuracy class

≥20 mm

最小置入深度 / Min. immersion

-50 to +400°C

系列量程范围 / Series range

压力信号 → 模拟量输入；热电阻 → 匹配RTD模块；PLC数据 → AI分析

PRESSURE → ANALOG INPUT / RTD → MATCHED MODULE / PLC DATA → AI ANALYSIS

参数为所列系列选型信息，非所有配置同时具备；液冷、PG25及氟化液适用性须按具体型号与材料确认。

Values describe selection options for the listed series, not simultaneous capabilities of every configuration. Confirm liquid-cooling, PG25 and fluorinated-fluid compatibility by model and materials.

PLC自动化，让信号落到现场执行。

PLC AUTOMATION | FROM FIELD SIGNALS TO CONTROLLED ACTION.

采集 · 控制 · 可视化

ACQUISITION / CONTROL / VISUALIZATION



功能配置示意 / Functional configuration, not a hardware model

I/O规划

I/O PLANNING

点位表、信号制式与接线定义

I/O list, signal formats and wiring definitions.

程序与画面

PROGRAM & HMI

约定逻辑、阈值告警与状态画面

Agreed logic, threshold alarms and status screens.

接口与联调

INTERFACES & TESTS

设备通信、阀门反馈与工艺联锁验证

Equipment links, valve feedback and process-interlock tests.

交付与留档

DELIVERY & RECORDS

图纸、程序版本及验收记录

Drawings, program versions and acceptance records.

让AI理解产品，让建议有据可查。

AI APPLICATION SERVICES | PRODUCT CONTEXT. TRACEABLE RECOMMENDATIONS.

AI

从您的产品与工况出发

BUILT AROUND YOUR PRODUCTS AND CONDITIONS

经确认的产品资料

Reviewed product documents

项目图纸与设备台账

Drawings & equipment records

约定范围内的运行数据

Agreed operating data

建议输出需工程师复核 / Engineer review required

AI辅助选型

SELECTION

快接、软管、阀传与介质资料匹配

Match couplings, hoses, valves, sensors and fluid documents.

输出：候选清单+选型依据

Output: shortlist + supporting evidence

AI清单核对

DOCUMENT REVIEW

整理规格、版本差异与接口疑点

Review specifications, revisions and interface queries.

输出：差异项+复核清单

Output: differences + review checklist

AI运行分析

OPERATING ANALYSIS

归纳温压趋势、告警与工况变化

Review pressure/temperature trends, alarms and conditions.

输出：异常提示+排查建议

Output: anomaly flags + suggested checks

AI维护助手

SERVICE ASSISTANT

检索说明、批次记录与维护历史

Retrieve instructions, batch records and service history.

输出：维护建议+资料出处

Output: service advice + source documents

软管到总成，按需组合。

HOSE ASSEMBLIES & HOSES



胶管总成配套

Hose assembly configurations



规格、接头与角度

Sizes, fittings and angles

AI辅助型号比对

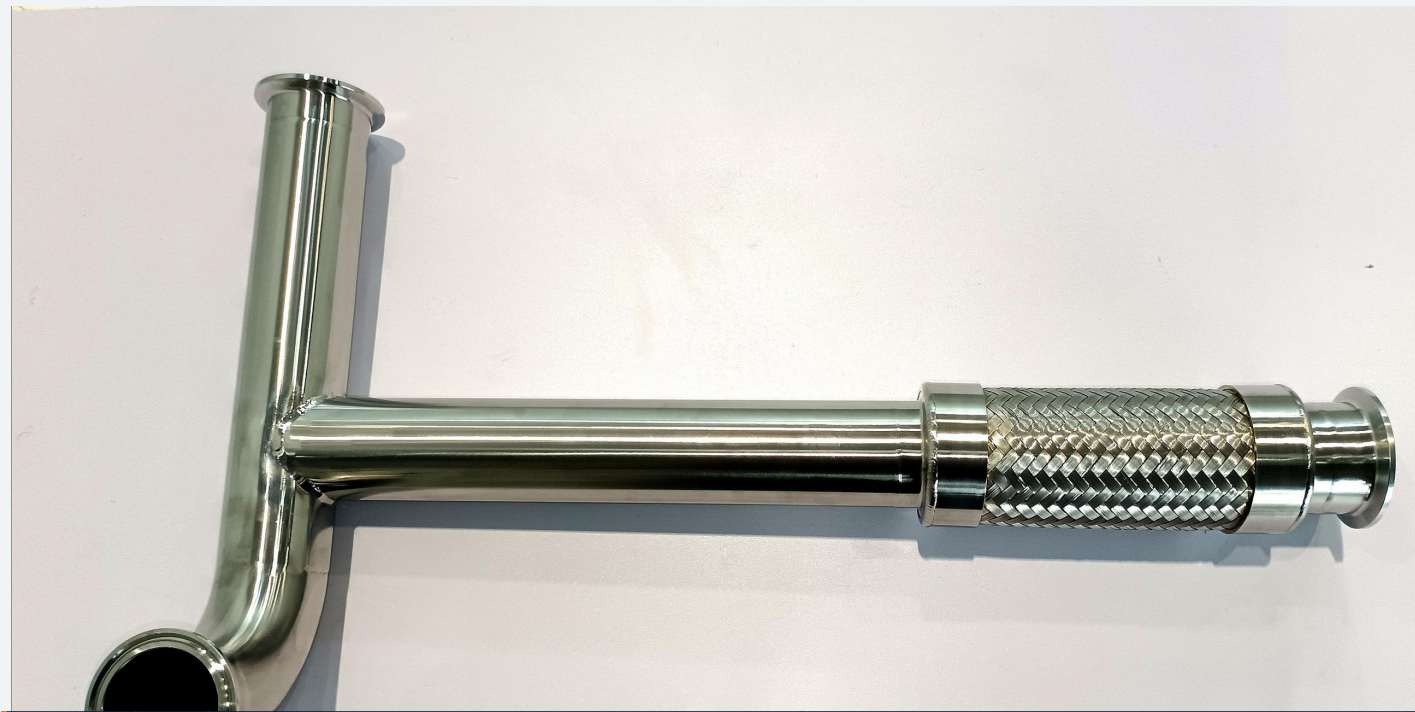
AI-assisted model comparison

工况与相容性复核

Condition and compatibility review

从主管到支路，配齐关键连接。

RIGID PIPING / FLEXIBLE BELLOWS / MANIFOLDS



不锈钢硬管与波纹软连接

Stainless-steel piping and flexible bellows



机柜分液组件

Rack manifold assemblies

按图配套 · 测点预留 · AI清单核对

DRAWING-BASED SUPPLY / SENSING PORTS / AI-ASSISTED LIST REVIEW

产品规格与项目范围按双方确认的图纸、清单及技术文件执行。

Product specifications and project scope follow the agreed drawings, schedules and technical documents.

PG25

成品冷却液

READY-TO-USE COOLANT

成品液供应与批次台账，可结合PLC运行记录，由AI辅助整理维护及用液计划。

Coolant supply and batch records, with AI-assisted service and fluid planning informed by agreed PLC operating records.

介质概念图 / Fluid concept image



型号与资料确认

Product & document review

批次与用液台账

Batch & fluid-use records

AI辅助维护计划

AI-assisted service planning

图片不代表实际包装或颜色。适用性以型号资料为准；AI建议不替代液体检测、浓度确认或换液判定。

Concept image, not actual packaging or fluid color. Suitability follows product documents; AI advice does not replace fluid testing, concentration checks or replacement decisions.

氟化液供给，从应用确认开始。

FLUORINATED FLUID SUPPLY | APPLICATION FIRST

具体牌号 × 应用条件 × 系统材料

SPECIFIC GRADE / APPLICATION CONDITIONS / SYSTEM MATERIALS

01

用途确认

INTENDED USE

确认设备、回路与用液需求

Define equipment, circuit and fluid needs.

02

AI资料检索

AI DOCUMENT SEARCH

检索牌号、技术与安全资料

Retrieve grade, technical and safety documents.

03

相容性确认

COMPATIBILITY

按具体材料核对并组织验证

Review materials and arrange agreed verification.

04

供货与追溯

SUPPLY & RECORDS

衔接批次、交付与维护记录

Link batches, delivery and service records.

AI辅助检索，适用性按牌号与验证确认。

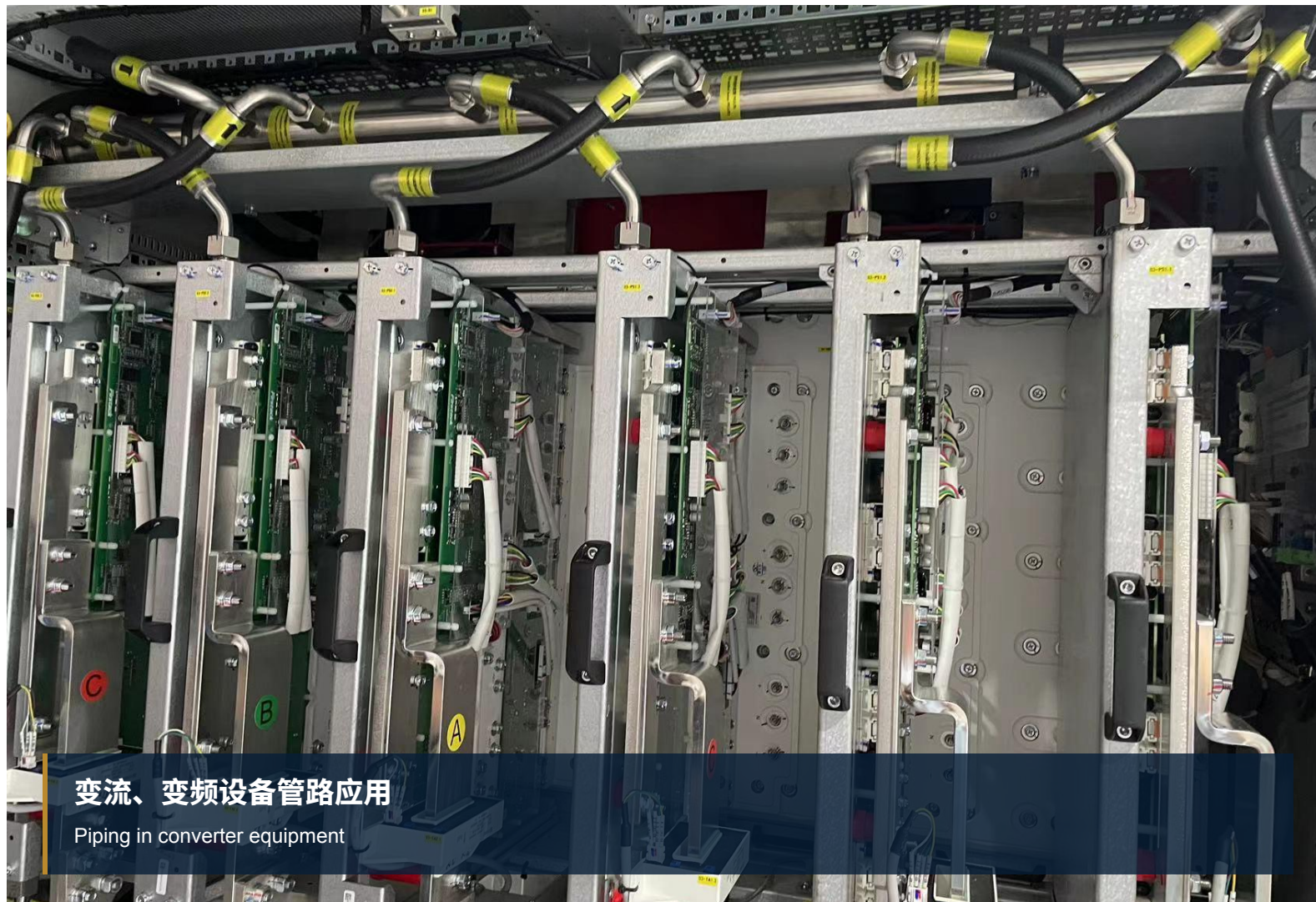
AI-ASSISTED SEARCH. SUITABILITY CONFIRMED BY GRADE AND VERIFICATION.

不默认所有氟化液均适用于绝缘或浸没冷却；PG25与氟化液不得混为同一介质方案。

Not all fluorinated fluids are suitable for dielectric or immersion cooling. PG25 and fluorinated fluids are distinct product and application choices.

PCS设备管路，连接每一处接口。

APPLICATION DETAIL | PIPING IN CONVERTER CABINETS



变流、变频设备管路应用

Piping in converter equipment

隽辉配套范围

JUNHUI SUPPLY SCOPE

管路与接头配套

Piping and fitting packages

PLC接口协同

PLC interface coordination

AI归纳运行记录

AI-assisted operating-record review

联调与资料归档

Commissioning and records

机柜分液，让支路连接更清晰。

APPLICATION DETAIL | RACK MANIFOLDS & BRANCH HOSES



连接 · 采集 分析 · 反馈

CONNECT / ACQUIRE
ANALYZE / REVIEW

分液与支路配套

Manifolds and branch hoses

PLC测点与数据

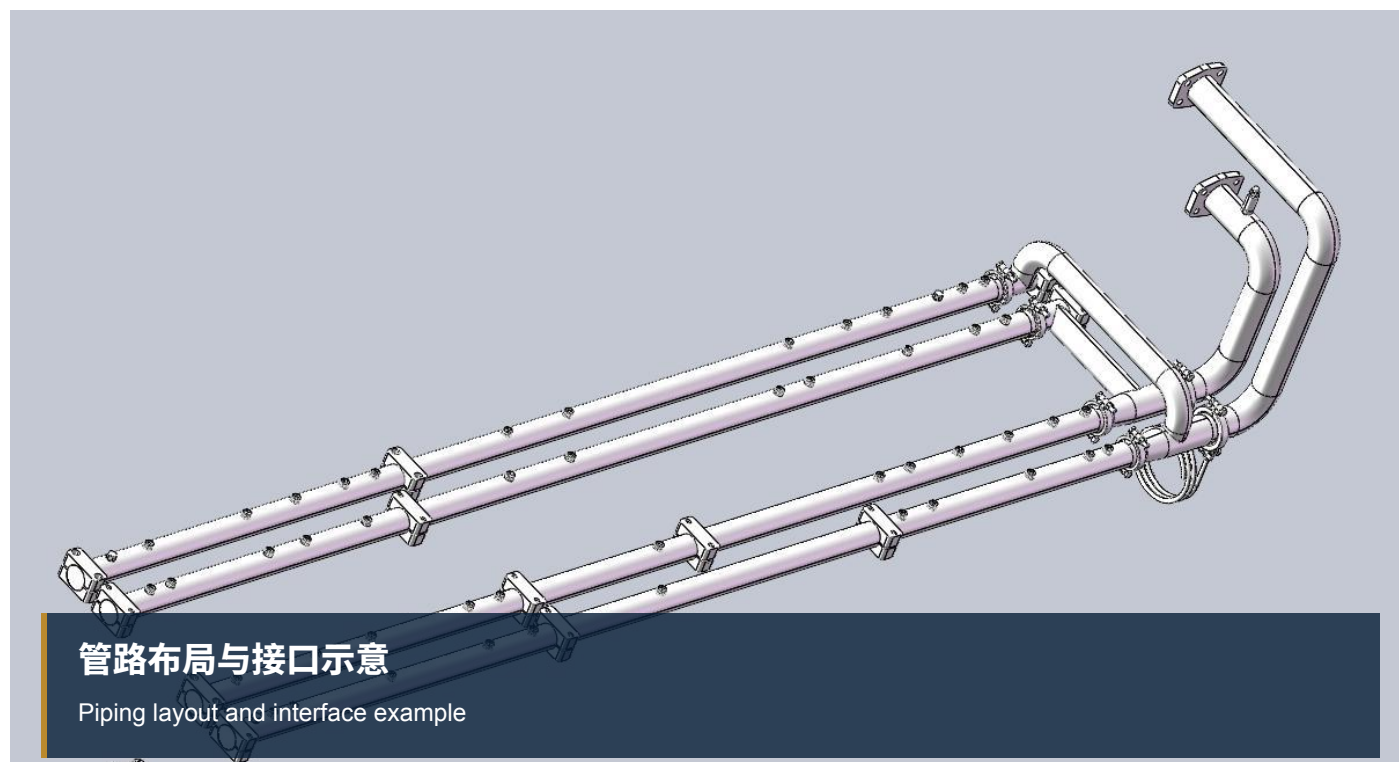
PLC points and data

AI辅助支路分析

AI-assisted branch analysis

工程与研发协同，把智能落到应用。

ENGINEERING & DEVELOPMENT | TURN INTELLIGENCE INTO VERIFIED APPLICATIONS.



产品验证 · PLC联调 · AI结果复核

PRODUCT VERIFICATION / PLC TESTING / AI OUTPUT REVIEW

验证项目、方法、样件与判定条件须在实施前确认；不以通用说明代替产品测试报告。

Verification items, methods, samples and acceptance criteria are agreed before testing. General descriptions do not replace product-specific test reports.

产品与资料

Products & evidence

以图纸、型号资料及测试依据建立知识条目

Build knowledge entries from drawings, specifications and test evidence.

控制与联调

Control & commissioning

确认PLC点位、逻辑、失效状态与操作权限

Verify PLC I/O, logic, fault states and operating permissions.

AI与验证

AI & validation

建立评测样本，核对引用、误判与建议边界

Evaluate samples, sources, false alerts and recommendation boundaries.

交付与反馈

Delivery & feedback

版本留档，持续衔接现场记录与应用改进

Record versions and connect site feedback with application improvements.

以产品连接行业，以服务连接客户。

CONNECTING INDUSTRIES THROUGH PRODUCTS AND SERVICE

合作伙伴 / SELECTED PARTNERS



三一重工

工程机械 / Construction machinery

ZOOMLION

中联重科

工程机械 / Construction machinery



徐工机械

工程机械 / Construction machinery



中国电建

电力建设 / Power engineering



中国华电

能源电力 / Energy & power



中国中车

轨道交通 / Rail transport



比亚迪

汽车与新能源 / Mobility & new energy



富士康

电子制造 / Electronics manufacturing



金风科技

风电装备 / Wind power



川润液压

流体装备 / Fluid systems



东方电气

能源装备 / Energy equipment



桑顿新能源

新能源 / New energy



楚天科技

制药装备 / Pharma equipment



国药集团

医药健康 / Healthcare



采埃孚

传动系统 / Driveline systems



酷冷至尊

散热设备 / Cooling hardware

一次对接，贯通产品与现场。

ONE POINT OF CONTACT. FROM REQUIREMENTS TO DELIVERY.



产品清单 + 控制资料 + 应用记录，形成可追溯交付。

PRODUCT LIST + CONTROL DOCUMENTS + APPLICATION RECORDS = TRACEABLE DELIVERY.

隽辉，与您同行。

JUNHUI. YOUR PARTNER FROM SUPPLY TO SITE.

对接您的产品与项目需求。

LET'S TALK ABOUT YOUR PRODUCTS AND PROJECTS.

液冷产品与管路 · 阀门传感与PLC

AI辅助选型 · 运行分析与应用支持

Cooling products & piping / Valves, sensors & PLC

AI-assisted selection / Operating analysis & application support

湖南隽辉新材料科技有限公司

HUNAN JUNHUI NEW MATERIAL TECHNOLOGY CO., LTD.

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WhatsApp



扫码联系，沟通项目需求。

Scan to discuss your project requirements.