



**AKAN**

**This is AKAN**

# Overview of AKAN

- Founded in 2000
- Seven major production bases across China
- 3000 employees, including 200 technical experts
- Business scope: Plumbing\water purification\HVAC, waterproofing system



7

Production centers

170  $\text{m}^2$   
万

Factory floor space

3

CNAS lab

10 万

Served over 100,000  
decoration/HAVC companies

500

Served over 500 municipal/real  
estate enterprises

150 万

Served 1.5 million households

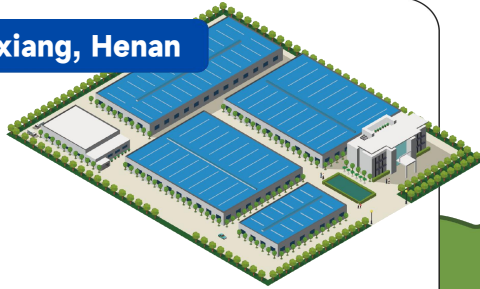
## The achievements of the six five-year plans of AKAN Development

<b>START-UP PERIOD</b> 2000—2005	<b>Development period</b> 2006-2010	<b>Layout period</b> 2011-2015	<b>Transitional period</b> 2016-2020	<b>Sedimentation period</b> 2021-2025
<ul style="list-style-type: none"> <li>• Be the first to enter the international PPR market</li> <li>• It was the first in the industry to obtain ISO 9001, ISO 14001 and German SKZ certification certificates.</li> </ul>	<ul style="list-style-type: none"> <li>• Participated in the compilation of national standards for PE and PERT</li> <li>• Introduce the world-leading pipe production equipment, McLafel.</li> <li>• Establish a research and development center in Pudong New Area</li> </ul>	<ul style="list-style-type: none"> <li>• In collaboration with Basel, the first PB pipeline was developed</li> <li>• Layout new product categories such as HVAC, water purification and waterproofing.</li> <li>• The production base in Xinxiang, Henan Province has been completed and put into operation</li> </ul>	<ul style="list-style-type: none"> <li>• Obtained AENOR, CE, Green Building and WRAS certificates</li> <li>• Establish a national-level CNAS laboratory</li> <li>• The base in Huzhou, Zhejiang Province has been completed and put into operation</li> </ul>	<ul style="list-style-type: none"> <li>• The bases in Jiangjin, Chongqing and Heyuan, Guangdong have been put into operation</li> <li>• It has obtained the certificates of National CNAS Laboratory, National Green Manufacturing, and Benchmark Enterprise of Zhenghe Island</li> </ul>

# Production base

One headquarters and six production bases

Xinxiang, Henan



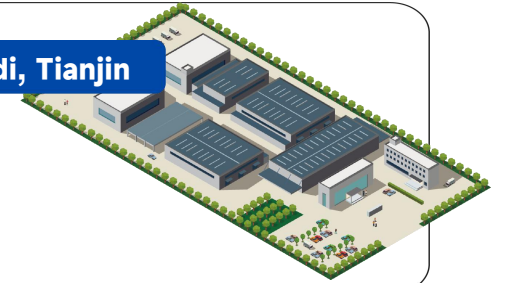
Jiangjin, Chongqing



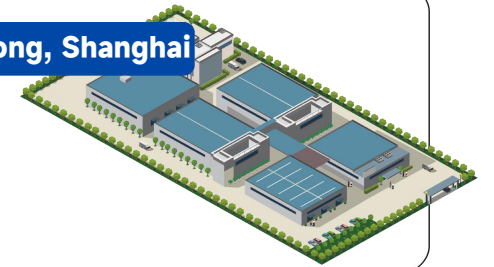
Liuyang, Hunan



Baodi, Tianjin



Pudong, Shanghai



Huzhou, Zhejiang



Heyuan, Guangdong

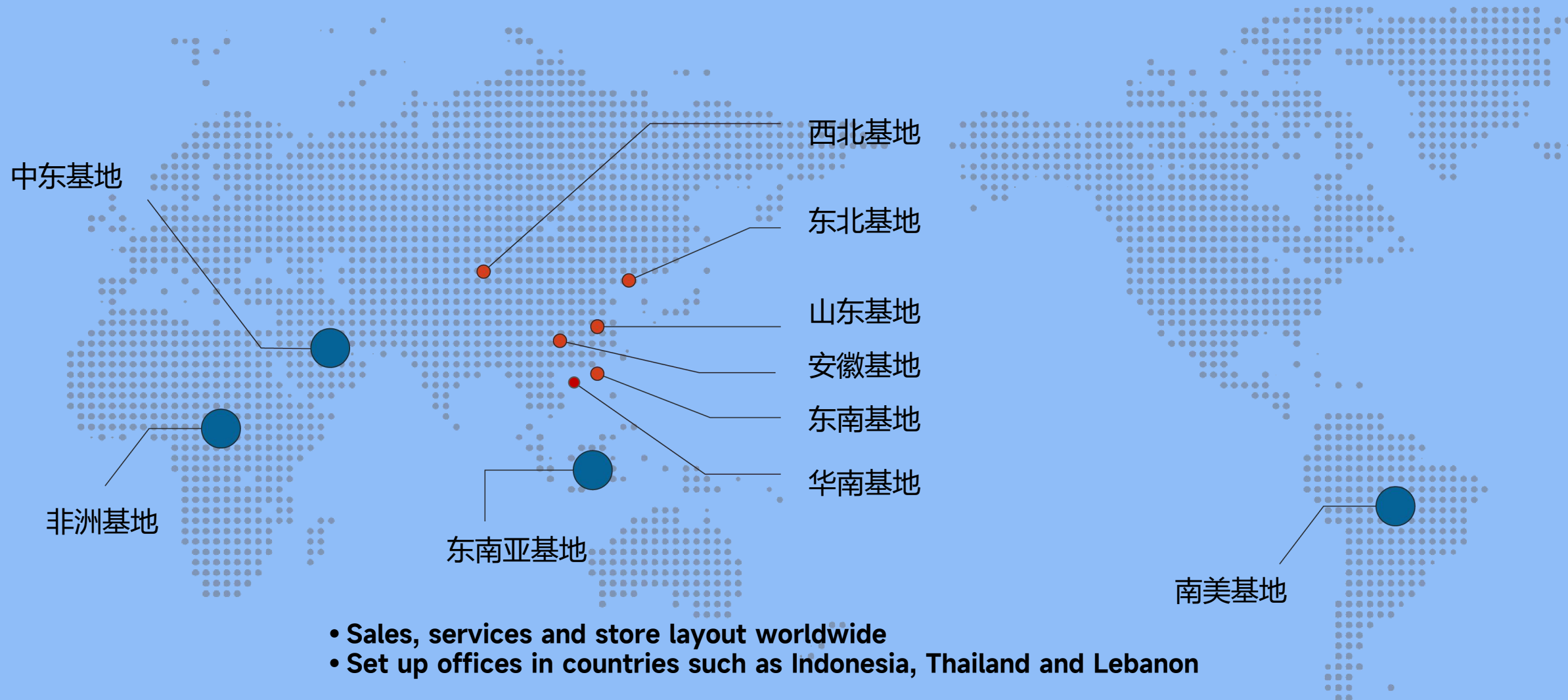


# ALVIAN

曾母暗沙



## Future global production layout



- Sales, services and store layout worldwide
- Set up offices in countries such as Indonesia, Thailand and Lebanon



## **BRAND AND BUSINESS LAYOUT**

**Four brands**

**Four business  
areas**

# "3+1" brand matrix



**Polygon 保利**

- Plumbing system
- Drainage piping system
- Floor heating piping system
- Electric conduit
- Radiator heating system
- Air conditioning system
- Heat recovery piping system



**开源® 净水**

- Whole house water purification system



**朴乐防水**

- Whole house waterproofing system
- Laying and sewing system



**师傅上门**

Business focus:  
Materials, construction, acceptance,  
after-sales service, and service  
ecosystem

## Four major business areas



Home decoration



Construction engineering



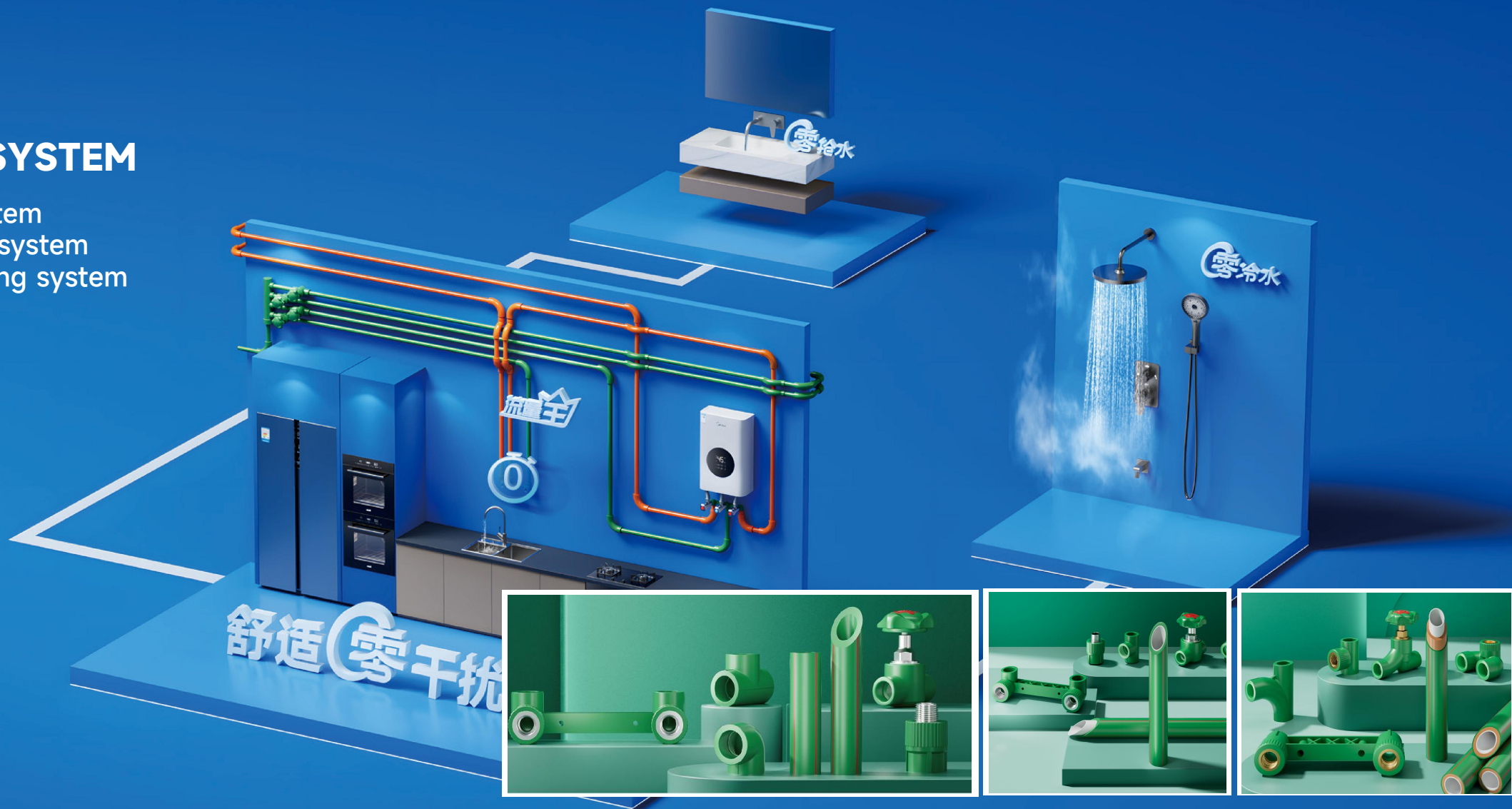
Municipal pipeline network



Agricultural irrigation

# PLUMBING SYSTEM

- PPR piping system
- PPR-CT piping system
- PPR-FIBRE piping system



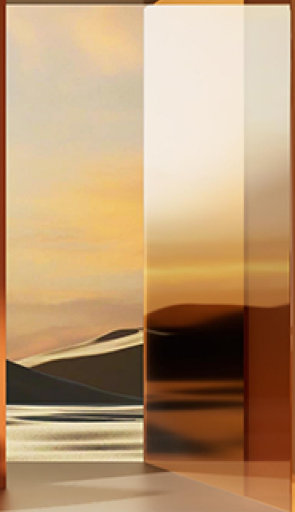
## Heat recovery piping system

Focus on creating healthy indoor environmental quality (temperature, humidity, air cleanliness, oxygen content, quietness)



# Heating and air-conditioning

- PE-RT piping system
- PE-X piping system
- Multilayer piping system



# Electrical conduit

PVC conduit system

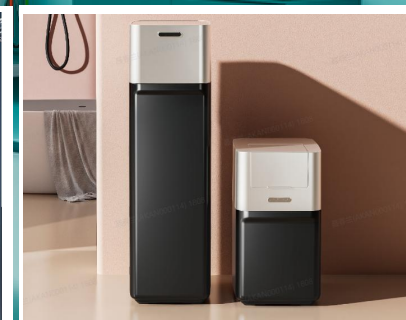


## Water-purifying system

From the household water source to the kitchen, bathroom, living room drinking water and other scenes, provide the whole house clean drinking water system solutions.



Pre-filter



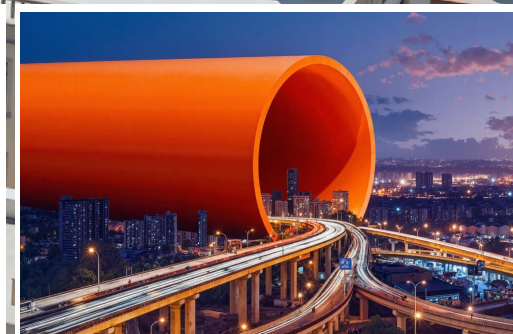
Pipeline water dispenser



Central water purifier

## Municipal pipe network

- PE water supply pipe
- PE drainage pipe
- PE gas pipe
- PVC-U power protective conduit



# Agricultural irrigation

- Sprinkler irrigation
- Drip irrigation



HDPE water supply pipe

Embedded circular drip irrigation pipe

Hanging nozzle

## Construction engineering

- PPR water supply pipe
- PVC drainage pipe
- PVC-U electrical conduit



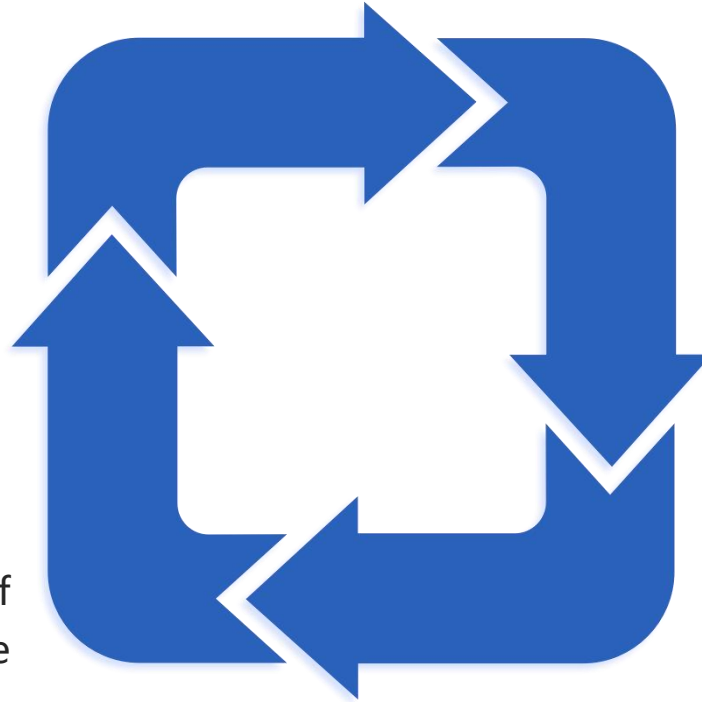


**GREEN GROWTH - SUSTAINABLE DEVELOPMENT**

# QUALITY INSPECTION

## 1. Raw material screening

Internationally renowned raw materials



## 2. Advanced equipment Process control

World-leading production equipment



## 3. On-line detection

Configure online impurity, appearance and outer diameter detectors

## 4. Finished product inspection

For example, the air pressure test and detection of the underfloor heating pipes at the bottom line



## Internationally renowned raw materials

ARKEMA

阿科玛



HYOSUNG

韩国晓星

BOREALIS

北欧化工

basell

巴塞尔



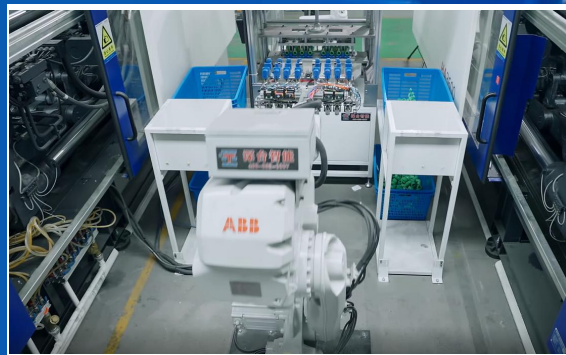
美国陶氏



通用GE

## Productivity: Smart Factory

- World-leading production equipment [KraussMaffei and Mraphael equipment]
- Fully automatic extrusion production line
- MES system: Real-time monitoring of production data



- The Huzhou base has been awarded the title of **"National Green Factory"**

- The Huzhou base has been awarded the **"Three-Character Mark"** Zhejiang Manufacturing certification

- The Chongqing base has been awarded the title of **"Digital Workshop"** demonstration

### 2024 年省级数字化车间公示名单

序号	企业名称	设区市	县市区
1	三门康创电子科技有限公司	台州市	三门县
2	浙江三行电气科技有限公司	湖州市	南浔区
3	浙江电力电容器有限公司	温州市	瓯海区
4	杭州中策科技股份有限公司	杭州市	余杭区
5	联明电气有限公司	温州市	龙湾区
6	西诺铝业集团有限公司	台州市	黄岩区
7	浙江千住漆集团有限公司	嘉兴市	海宁市
8	浙江凯迪仕实业有限公司	温州市	瓯海区
71	浙江德立新材料有限公司	丽水市	经济开发区
72	浙江凯爱机械科技股份有限公司	温州市	平阳县
<b>73</b>	<b>爱康企业集团（浙江）有限公司</b>	<b>湖州市</b>	<b>南太湖新区</b>
74	浙江联凯智能科技有限公司	金华市	婺城区
75	万宏集团有限公司	温州市	平阳县
76	浙江科力车辆控制系统有限公司	衢州市	江山市
77	浙江星光轴承股份有限公司	丽水市	缙云县
78	台州市前进精工有限公司	台州市	椒江区
79	湖州安达汽车零部件有限公司	湖州市	南太湖新区
80	温州正一铝业公司	温州市	鹿城区
81	浙江正达装备制造集团有限公司	衢州市	龙游县
82	浙江中孚合金压铸有限公司	温州市	苍南县
83	宁波嘉德汽车零部件有限公司	宁波市	鄞州区
84	浙江中孚合金压铸有限公司	温州市	苍南县

### 绿色工厂名单

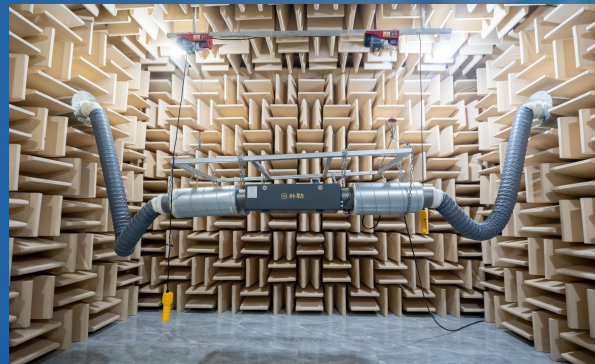
序号	工厂名称	推荐单位
1	北京北光电器有限公司	北京市经济和信息化局
2	北京大宝化妆品有限公司	北京市经济和信息化局
3	北京地大矿业有限公司	北京市经济和信息化局
4	北京博信世纪印刷有限公司	北京市经济和信息化局
5	北京福祥康明斯排放标准有限公司	北京市经济和信息化局
6	北京海科金控科技股份有限公司	北京市经济和信息化局
7	北京科美特医药有限公司	北京市经济和信息化局
8	北京高科通成电气设备有限公司	北京市经济和信息化局
9	北京瑞海鑫业机械科技有限公司	北京市经济和信息化局
10	北京瑞海鑫业机械科技有限公司	北京市经济和信息化局
11	北京瑞海鑫业机械科技有限公司	北京市经济和信息化局
12	北京瑞海鑫业机械科技有限公司	北京市经济和信息化局
<b>438</b>	<b>爱康企业集团（浙江）有限公司</b>	<b>浙江省经济和信息化厅</b>
439	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
440	湖州（中国）港务公司	浙江省经济和信息化厅
441	湖州康达有限公司	浙江省经济和信息化厅
442	湖州（杭州）物流公司	浙江省经济和信息化厅
443	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
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445	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
446	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
447	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
448	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
449	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅
450	湖州凯爱机械科技股份有限公司	浙江省经济和信息化厅

# Research and development capacity



## 3 CNAS national accredited laboratories

Product raw material inspection - online product inspection - finished product off-line inspection





## RESEARCHER & TALENT

Researcher Bases with Tongji University 、 Zhejiang Industrial University and Beijing University of Chemical Technology。



# Green Environmental Protection certificate



# INTERNATIONAL CERTIFICATES



**AENOR**

**Certificado AENOR de Producto Plásticos**



001/006620  
AENOR certifica que la organización

**AKAN ENTERPRISE GROUP (SHANGHAI) CO.,LTD**

con domicilio social en No. 4828 South Shenjiang Road, Pudong Area - 201314 Shanghai (China)  
suministra Tubos de polipropileno (PP-R) para instalaciones de agua caliente y fría  
conformes con **UNE-EN ISO 15874-1:2013 (EN ISO 15874-1:2013)**  
**UNE-EN ISO 15874-2:2013 (EN ISO 15874-2:2013)**

MARCA COMERCIAL POLYCON  
SERIE 25  
DIÁMETROS (mm) 20 - 25 - 32 - 40 - 50 - 63 - 75 - 90 - 110  
CLASE DE APLICACIÓN / PRESIÓN DE DISEÑO (bar) 110; 7,8; 4,10; 5,6  
OPACIDAD No

Centro de producción No. 2528 Ganshan Road, Economic Development Zone - Huzhou City (Zhejiang Province - China)

Esquema de certificación Para conceder este Certificado, AENOR ha ensayado el producto y ha comprobado el sistema de la calidad aplicado para su elaboración. AENOR realiza estas actividades periódicamente mientras el Certificado no haya sido anulado, según se establece en el Reglamento Particular RP 01.16.

Fecha de primera emisión 2016-07-20  
Fecha de última emisión 2023-07-20  
Fecha de expiración 2026-07-20

*Rafael García Meiro*  
Rafael GARCÍA MEIRO  
Director General

AENOR INTERNACIONAL S.A.U.  
C/Gran Vía, 28004-Madrid, España  
Tel. 91 432 40 00 - www.aenor.com

Entidad de certificación de producto acreditada por ENAC con acreditación nº 17-CR/21



**DVGW-Baumusterprüfzertifikat**  
**DVGW type examination certificate**

DW-8317DL0126  
Registration number  
registration number

<b>Anwendungsbereich</b> field of application	Produkte der Wasserversorgung products of water supply
<b>Zertifikatinhaber</b> owner of certificate	Akan Enterprise Group (Shanghai) Co., Ltd. ADD: NO.4828 South Shenjiang Road , CN-201314 Shanghai
<b>Votreilber</b> distributor	Akan Enterprise Group (Shanghai) Co., Ltd. ADD: NO.4828 South Shenjiang Road, CN-201314 Shanghai
<b>Produktart</b> product category	Kunststoffrohre für die Trinkwasserinstallation: PP-R, SDR 6 (8317)
<b>Produktbezeichnung</b> product description	Kunststoffrohre für die Trinkwasserinstallation aus PP-R, Farbe: Grün, Fertigungsgruppe 1
<b>Modell</b> model	POLYGON
<b>Prüfberichte</b> test reports	Baumusterprüfung: 125685/17 vom 09.04.2020 (SKZ) KTW-Prüfung: KR 18317 vom 02.10.2017 (TZW) Mikrobiologische Prüfung: 127894/17 vom 06.05.2020 (SKH)
<b>Prüfungsdagen</b> test basis	DVGW W 544 (01.05.2007) UBA KTW (07.03.2016) DVGW W 270 (01.11.2007)
<b>Ablaufdatum / AZ</b> date of expiry / file no.	09.04.2025 / 17-0239-WNE

15.05.2020 GI A-12  
Exam. Certificate, Part 1, List of Notified Bodies  
Date, issued by: Street, head of certification body



DVGW CERT GmbH  
Zertifizierungsstelle  
Joost-Wilmer-Str. 1-3  
53123 Bonn  
Tel. +49 228 91 88 - 888  
Fax. +49 228 91 88 - 893  
www.dgwr-cert.com  
info@dgwr-cert.com

Approval Number 2202542  
Test Report: MAS7170/1

28<sup>th</sup> February 2022  
Akan Enterprise Group (Shanghai) Co. Ltd.  
NO.4828 South Shenjiang Road,  
201314,  
Shanghai,  
China



Water Regulations Approval Scheme Ltd.  
Unit 13,  
Willow Road,  
Piny Y Fan Industrial Estate,  
Cumnor,  
Oxford,  
OX11 4EG

**WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)**  
**MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6820-1:2000 and/or 2014. Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

**POLYPROPYLENE- COMPONENTS.** 5260

'Polygon PPR Pipe': Green coloured (with red stripe), single layered, extruded PPR pipe. For use with water up to 85°C.

**APPROVAL NUMBER:** 2202542  
**APPROVAL HOLDER:** AKAN ENTERPRISE GROUP (SHANGHAI) CO. LTD.

The Scheme reserves the right to review approval.  
Approval 2202542 is valid between February 2022 and February 2027

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: [www.wrasapprovals.co.uk/approvals-directory/](http://www.wrasapprovals.co.uk/approvals-directory/)

Yours Faithfully

*Ian Hughes*

Ian Hughes  
WRAS Approvals Manager

The Water Regulations Approval Scheme Ltd. Registered in England No. 103284 Registered office: 61 Loxley Close, Hazel Green, Stourport, SH9 5ED  
WRAS Approvals 1st Floor 20 Tel: +44(0)1493 244 888 Fax: +44(0)1493 244 888 Email: info@wrasapprovals.co.uk website: www.wrasapprovals.co.uk Page 1 of 1

Certificate – Сертификат – 證明書 – Certificat – 증명서 – 證明書 – 證明書 – 證明書

**CERTIFICATE**

No. 4Q241017.AEGS033

Test Report / Technical Construction File no. XDX12243864101401FAR

**Certificate's Holder:** AKAN ENTERPRISE GROUP (ZHEJIANG) CO., LTD.  
No. 2528, GANSHAN ROAD, HUIZHOU, ZHEJIANG, CHINA.

**Certification**  
ECM Mark



**Product:** PVC Electrical Conduit and Fittings  
**Model(s):** 16mm, 20mm, 25mm, 32mm, 40mm, 50mm

**Verification to:** Standard:  
EN 61386-1:2008/A1:2019, EN IEC 61386-21:2021  
related to CE Directive(s):  
2014/35/EU (Low Voltage)

**Remark:**  
The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directive/standard. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. The document was issued in accordance with regulation (EC) 300/2008 published on the website of [www.entecert.com](http://www.entecert.com) and concerning voluntary certifications with a non-notified procedure.

**Issuance date:** 17 October 2024  
**Expiry date:** 16 October 2029



For online check:

Approver  
Ente Certificazione Macchine  
Legal Representative  
Luca Basciani



Ente Certificazione Macchine Srl  
Via Ca' Bella, 243 - Loc. Castelbo di Senonovic - 43023 Valmaggia (BO) - ITALY  
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@entecermi.it 🌐 www.entecermi.it

Approval Number 2202543  
Test Report: MAS7170/1

28<sup>th</sup> February 2022  
Akan Enterprise Group (Shanghai) Co. Ltd.  
NO.4828 South Shenjiang Road,  
201314,  
Shanghai,  
China

**WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)**  
**MATERIAL APPROVAL**

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**POLYPROPYLENE- COMPONENTS.** 5260

'Polygon PPR Fitting': Green coloured, injection moulded PPR fitting. For use with water up to 85°C.

**APPROVAL NUMBER:** 2202543  
**APPROVAL HOLDER:** AKAN ENTERPRISE GROUP (SHANGHAI) CO. LTD.

The Scheme reserves the right to review approval.  
Approval 2202543 is valid between February 2022 and February 2027

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: [www.wrasapprovals.co.uk/approvals-directory/](http://www.wrasapprovals.co.uk/approvals-directory/)

Yours Faithfully

*Ian Hughes*

Ian Hughes  
WRAS Approvals Manager

The Water Regulations Approval Scheme Ltd. Registered in England No. 103284 Registered office: 61 Loxley Close, Hazel Green, Stourport, SH9 5ED  
WRAS Approvals 1st Floor 20 Tel: +44(0)1493 244 888 Fax: +44(0)1493 244 888 Email: info@wrasapprovals.co.uk website: www.wrasapprovals.co.uk Page 1 of 1



**STRATEGIC PARTNER**

# STRATEGIC PARTNER

AKAN has successively provided products and services to **over 100,000** home decoration companies and HVAC companies



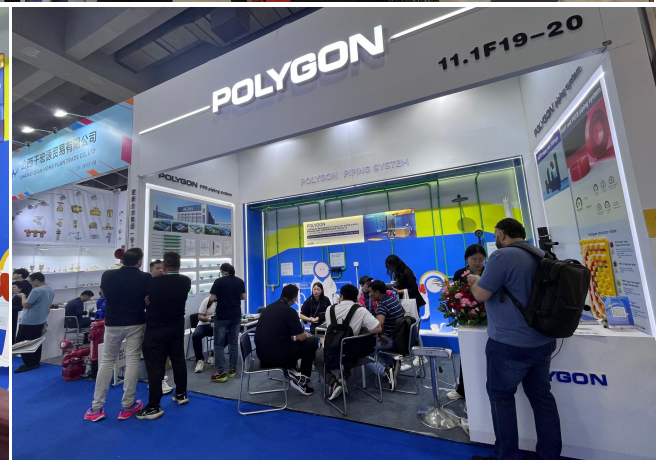
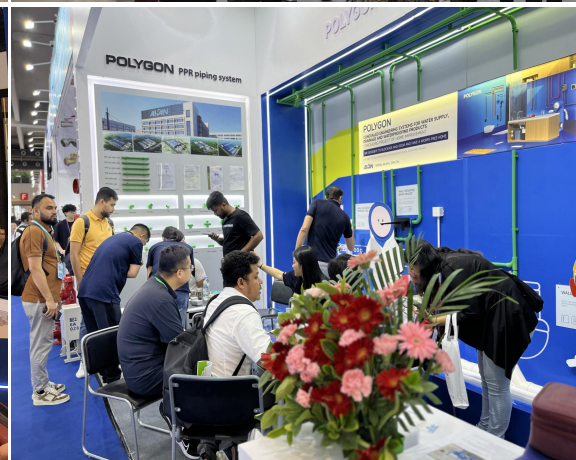
# STRATEGIC PARTNER

AKAN has successively cooperated with **over 500** municipal companies and large first-tier real estate enterprises



# From exhibition insights to localization solutions

We directly address frontline demands through trade shows and offer deeply localized pipeline solutions. For instance, more heat-resistant pipes can be launched in response to the climate of Indonesia



# AKAN CORPORATE CULTURE



**THANK YOU**

**This is AKAN**