雷 格 特
LEGATE

Innovation   Professional

Humility   Friendly

Honesty   Solid

创新 专业 谦和 友善 诚信 扎实

LEGATE

LEGATE

Dedicated to the leader
in pedestrian access solutions

人 行 通 行 控 制 的 领 航 者

Suzhou LEGATE Intelligent Equipment Corp., Ltd.

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LEGATE Positioning

公司定位

LEGATE has long specialized in the **Pedestrian Access Sector**, adopting a market-driven approach to focus on precise and efficient pedestrian recognition and control. By integrating algorithmic and electromechanical technologies, we deliver systematic solutions.

Our self-developed products are widely applied in rail transit, airports, entertainment venues, and high-end buildings, complemented by smart maintenance services. We have successfully provided high-quality products and customized services to nearly 100 clients in 37 cities worldwide.

雷格特长期深耕人行通行领域，以市场导向为核心，致力于人行通行的精准高效识别与控制，通过算法与机电技术的融合，提供系统化解决方案

自主研发产品广泛应用于轨交、机场、演艺及高端楼宇等，并配套智慧运维服务，已成功为海内外37座城市、近百位客户提供高质量产品与场景化服务

LEGATE POSITIONING

Enterprise Certification and Personnel Qualification:

ISO9001, ISO14001, ISO45001
Skill qualification ratio: 44%
PMP certificate ratio: 5.6%
Six Sigma certification

企业认证与人员资质：

ISO9001，ISO14001，ISO45001
PMP资质人员占比：5.6%
技能资质人员占比：44%
质量黑带证书

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103 intellectual property:

Invention patents: 11
Utility model patents: 46
Software copyright: 25
Appearance patents: 21

103项知识产权：

发明专利:11
实用新型:46
软件著作权:25
外观专利:21

Participate in the formulationof national and industry standards:

GB/T 50381-2018
T/CAMET04020.1~2021
T/CIITA 204-2020
T-CIITA 210-2020

参与国家与行业标准制定：

GB/T 50381-2018
T/CAMET04020.1~2021
T/CIITA 204-2020
T-CIITA 210-2020

LEGATE 雷 格 特

Founded in February 2010 and located in Suzhou City, Jiangsu Province, LEGATE is an enterprise with 36,000 square meters of manufacturing base and more than 200 employees, including more than 50 technical engineers.

成立于2010年2月，位于江苏省苏州市，拥有独立的研发生产基地，员工200余名，含50余名专业技术人员。

Corporate Mission

企业使命

OUR VISION

Bring security and civilization to the world with order and convenience.

我们的愿景：
用秩序给世界带来安全和文明

OUR MISSION

Provide customers with high-quality products and services, and users with a safe and convenient experience through innovative design and intelligent manufacturing

我们的使命：
通过产品的创新研发及智能制造为客户提供高品质的产品和服务为用户提供安全便捷的体验

OUR VALUES

1.Provide customers with high-quality products and services that exceed expectations
2.Provide employees with attractive material and spiritual wealth
3.Create sustainable and stable profit returns for shareholders
4.Provide employment opportunities and tax contributions to society

我们的价值观：
1.为客户提供超预期的优质产品和服务
2.为员工提供有吸引力的物质和精神财富
3.为股东创造持续稳定的利润回报
4.为社会提供就业机会和税收贡献

Competitive Advantage of LEGATE

公司竞争优势

Product Customization

LEGATE deeply conforms to the customers' requirements. Relying on our professional customized development and manufacturing capabilities, we build a diversified product line, accurately responding to various demands and being widely applicable to a variety of application scenarios.

产品定制化：
深度契合客户需求，依托专业的定制开发与制造能力，构建多元化产品线，精准响应各类需求，广泛适用于多样应用场景

Technological Leadership

LEGATE has in-depth cooperation with top domestic R&D institutions and keeps innovating continuously to ensure that our technology always stays at the forefront of the industry. Moreover, we possess core technologies, providing customers with an efficient and safe passage experience.

技术领先性：
与国内顶尖研发机构深度合作持续创新，确保技术始终保持行业前沿。并拥有自主知识产权的核心技术，为客户提供高效、安全的通行体验

Cost Advantages

LEGATE has cost advantages in production, supply chain management and economies of scale, enabling us to offer competitive prices.

成本优势：
生产、供应链管理和规模效益方面具有成本优势，从而能够提供有竞争力的价格

Total Quality Management（TQM）

LEGATE ensures to provide customers with high - quality products and services through the rigorous implementation of DFMEA (Design Failure Mode and Effects Analysis) and PFMEA (Process Failure Mode and Effects Analysis), as well as the standardized implementation of the quality system.

全面质量管理：
通过DFMEA与PFMEA的严谨执行及质量体系的标准化贯彻，确保为客户提供高品质的产品与服务

LEGATE-Intelligent Mobility Field

雷格特-智慧出行领域

01 Intelligent Edge Computing
智慧计算边缘

Deeply delve into visual perception technology, and combine the optimization of deep network algorithms to endow travel products with an intelligent "brain" and perceptive "eyes"

深入钻研视觉感知技术，结合深度网络算法优化，让出行产品具备智慧大脑和慧识之眼

02 Intelligent Terminal Device
智慧终端设备

Upholding the technical accumulation of AFC terminal devices over 16 years, we integrate the concepts of RAMS, enabling intelligent terminal products to lead the forefront of the era

秉承16载AFC终端设备技术沉淀，融入"融合，智慧、易用、易维护"理念，让智慧终端产品引领时代前沿

03 Software System　Integration
软件系统集成

Collect data through the intelligent sensing of devices, and integrate the operations of manufacturers and customers through intelligent operation and maintenance based on the SaaS system

为客户之所想，通过设备智能感知收集数据，通过智慧运维SaaS系统让厂家和客户运营融为一体，探索出运维新思路

Stereo Vision Technology
视觉感知技术

Stereo Vision Module
双目智慧通行逻辑控制器

Stereo Vision Passenger Behavior Analysis Module
视觉AI乘客行为分析智慧盒

Stereo Vision Passenger Flow Detection Module
视觉客流检测传感器

New-Generation Terminal Device
新一代产品终端

Stereo Vision Automatic Gate Machine
计算机视觉感知闸机

Intelligent Customer Service Terminal
智慧客服中心

Intelligent Guiding Terminal
智慧导引终端

New-Generation Intelligent Operation and Maintenance
新一代智慧运维

Make the operation and maintenance: efficient, fast, good, and cost-effective.
让运维：多、快、好、省

Airport Intelligent Product

机场场景智能产品

Intelligent Immigration Automatic Gate Machine　智能安检闸机

AI Anti-return Gate　智能AI防折返门

Intelligent Boarding Automatic Gate Machine　智能登机口闸机
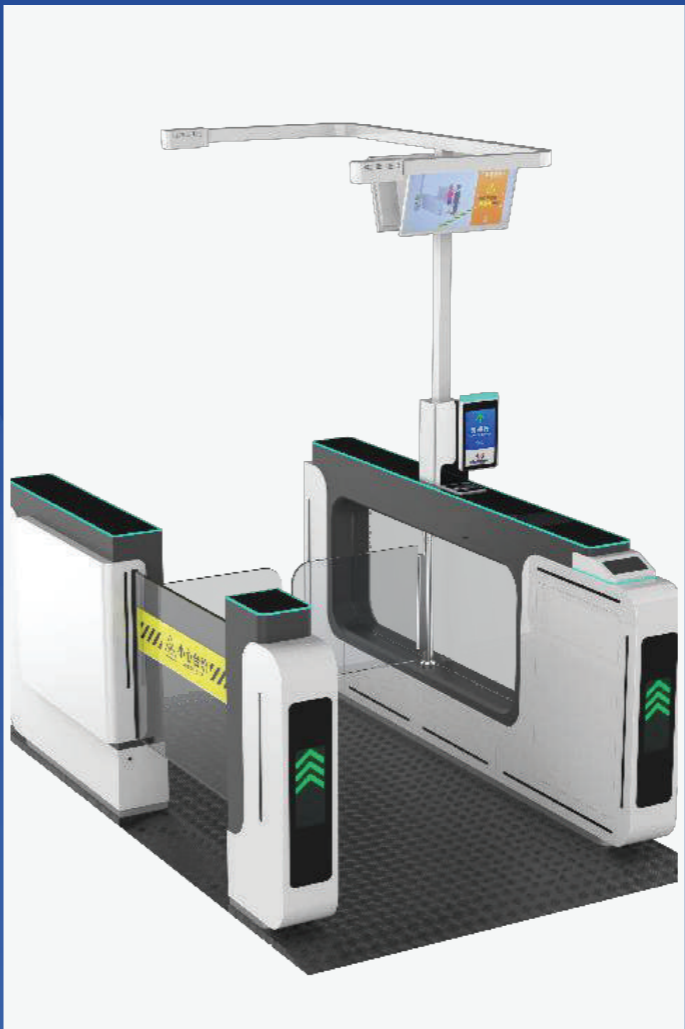
Application of Airport Product

机场场景产品应用

Wuhan Tianhe Airport

武汉天河机场

Shiyan Wudangshan Airport

十堰武当山机场

Hohhot Airport

呼和浩特机场

Hanoi Airport, Vietnam
Ho Chi Minh City Airport, Vietnam

越南河内机场 越南胡志明机场

Intelligent Products for Subway Station Scenarios

地铁场景智慧车站产品

Intelligent perception –

Intelligent passenger perception

智能感知—乘客智能感知

Integration and Intelligence -

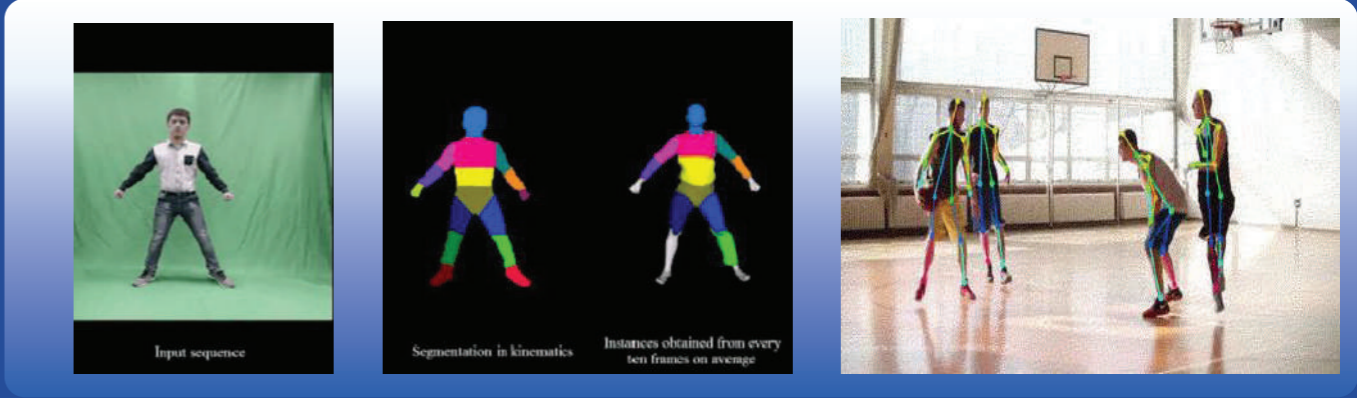Integration of multiple devices, Easy to use and maintain

融合智慧—多设备融合,易用易维护

Efficient and Low-carbon –

Intelligent Operation and Maintenance

高效低碳—智慧运维

Stereo Vision Products
for Escalator Scenario

扶梯场景双目梯控产品

视觉监控范围　　　视觉监控范围

Stereo Vision Module
MD系列双目深度传感器

RGB-D Image Flow
RGB-D图像流

Input sequence　　　Segmentation in kinematics　Instances obtained from every ten frames on average

Precise three-dimensional measurement of limbs
肢体精确三维测量

Precise three-dimensional measurement of limbs
RGB-D多模态语义分析
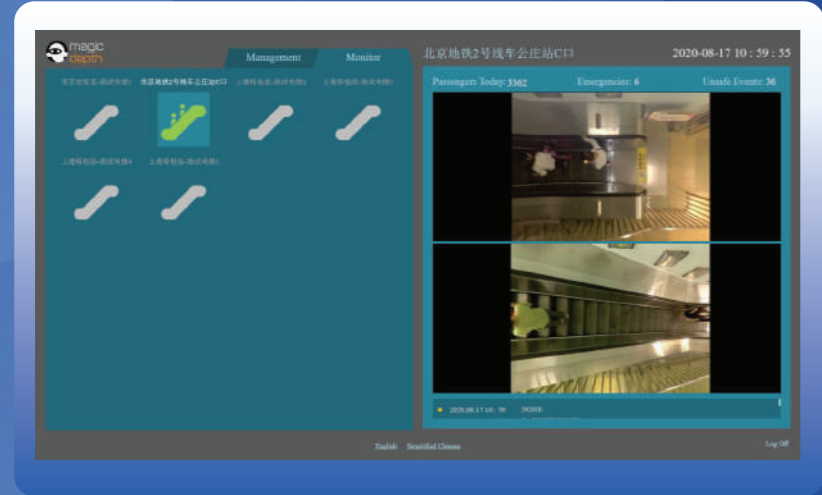
High - Robustness Passenger Behavior Identification
鲁棒性乘客行为辨识

Emergency Escalator Stopping Control
紧急停梯控制

On-site voice alarm
现场语音告警

Message notification
短信息通知

Station server / Monitoring screen
车站服务器/监控大屏

Multi-level and Complex Dangerous Behavior Recognition
多层级、复杂危险行为识别

Tumble Trip 摔倒绊倒	**Not holding the handrail** 未握扶手带	**Sticking head out** 探头	**Automatic start - stop** 自动起停
Passenger congestion 乘客堆积	**Running** 奔跑	**Carrying stroller** 携带婴儿车	**Passenger flow statistics** 客流统计
A sudden reversal of direction 突发逆行	**Children playing** 儿童玩耍	**Passenger reversal of direction** 乘客逆行	**Energy-saving operation** 节能运行

Core Technology
Passage Logic Control Diagram

核 心 技 术——通行逻辑架构

Passage Logic Control

Detection zone：
Used to detect whether the passengers go into the aisle.This zone allow passengers to swipe the card

Monitoring zone：
Used to detect whether the passengers are legitimate passengers,if not the gate will alarming and the door wing will close

Security zone：
Used to detect whether the passengers are located in "door wing" area to protect passengers from being hitting
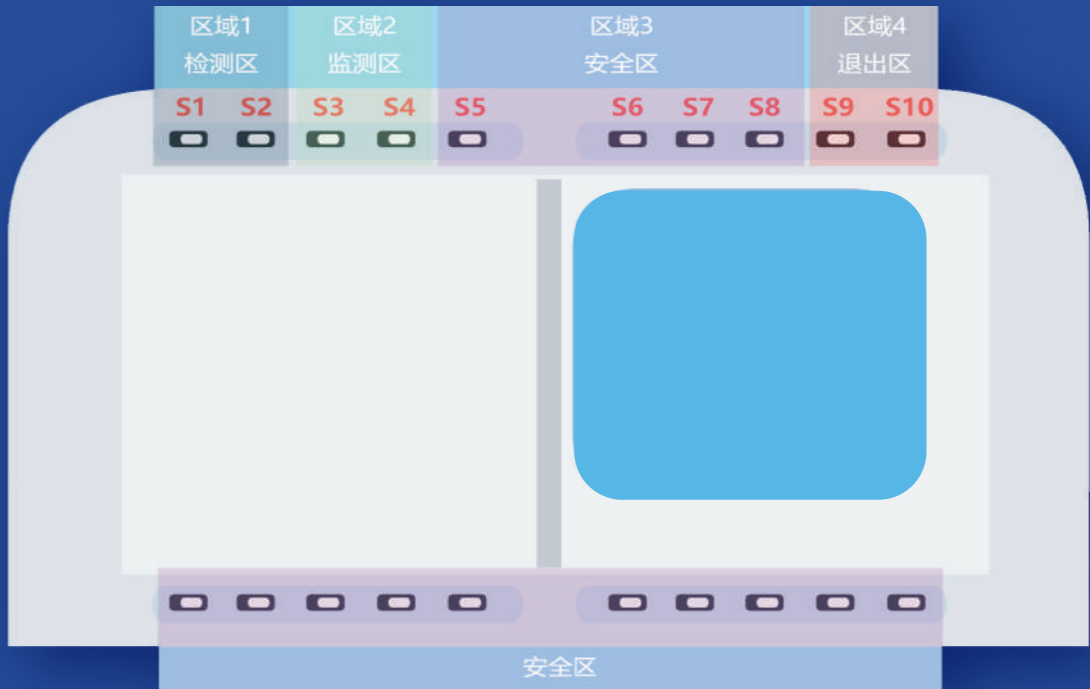
Exit zone：
Used to detect whether the passengers have left the gate aisle, and avoid passenger entring the aisle from other side

检测区： 检测是否有新乘客进入闸机通道，并确定当前通道允许的行进方向，允许乘客在该区域出示票卡进行验证；
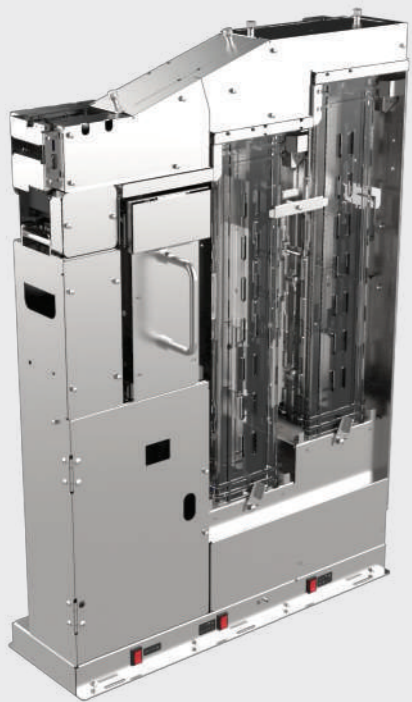**监测区：** 用于检测乘客闯入；检测到未持有有效票卡乘客进入该区域时，触发乘客闯入报警，同时尝试关闭扇门阻止乘客进入付费区；
安全区： 检测该区域是否有乘客存在，保证扇门安全地关闭；
退出区： 用于检测乘客通行的确认，并检测反向闯入，防止反方向乘客尝试非法进出。

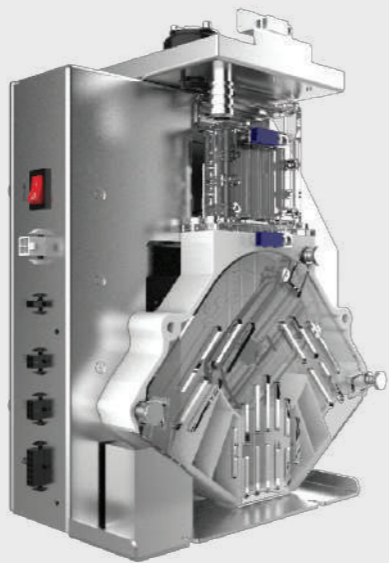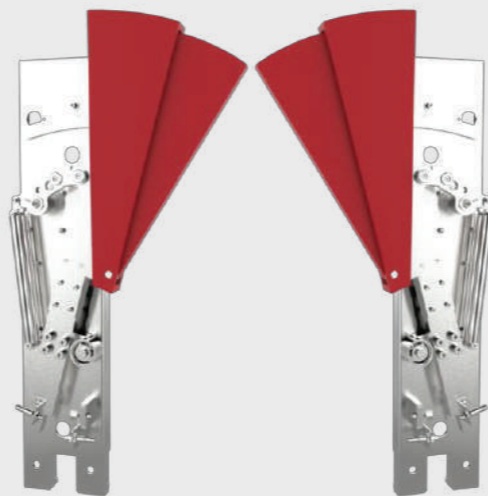| 区域1 检测区		区域2 监测区			区域3 安全区			区域4 退出区	
S1	S2	S3	S4	S5	S6	S7	S8	S9	S10

安全区

Core technology—key modules
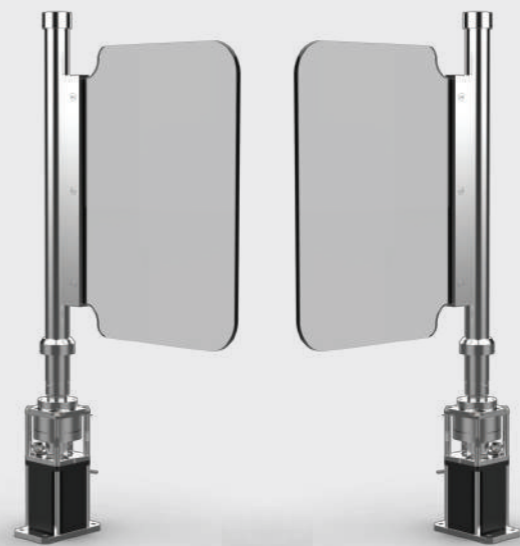
核心技术——关键模块

Ticket Issuing Module
卡式票卡模块

Token Recycling Module
筹码票卡模块

Scissor Door Module
剪式门模块

Swing Door Module
摆门模块

Stereo Vision Module
双目模块

Intelligent Maintenance

智慧运维服务

Customized Maintenance System
定制化维护系统

Regionalized Service Team
区域化服务团队

Professional Maintenance Tools
专业化维护工具

Systematic Training System
系统化培训体系

能运维大屏

06月-28日 13:34:14 星期五

故障数	本月故障数	本周故障数	今日故
21	3,621	360	46

设备故障统计

故障分类	故障代码	故障信息	日
服务端监测设备故障	BG003	设备状态未知	2024-06-28
服务端监测设备故障	BG003	设备状态未知	2024-06-28
服务端监测设备故障	BG003	设备状态未知	2024-06-28
服务端监测设备故障	BG003	设备状态未知	2024-06-28
服务端监测设备故障	BG003	设备状态未知	2024-06-28

未处理　已处理

268 282 254 246 214 185 96 106 113 122 117 81 106 114 66 28

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

-06-10　2024-06-13　2024-06-16　2024-06-19　2024-06-22　2024-06-25

报修工单统计

单　已完成　作废

工单状态统计

已派单 2 (11.76%)

已完成 4

待派单 11 (64.71%)

1 1 1 1 1 1

0 0 0 0 0 0

1-09　2024-01-12　2024-01-17　2024-01-20

Manufacturing Capabilities

制 程 能 力

01	02	03	04

Process Planning
工艺策划

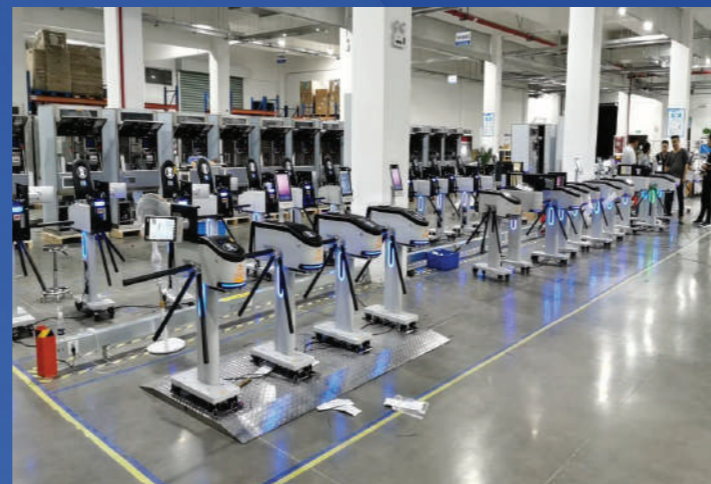**Supplier Management**
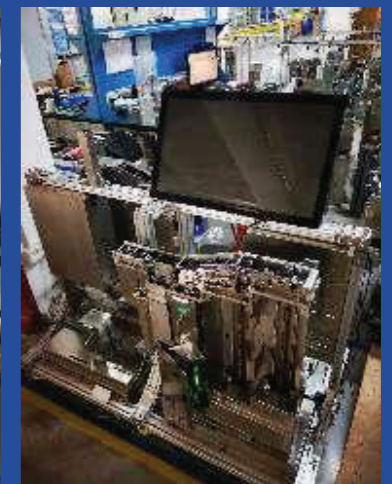供应商管理

Total Quality Management
全面质量管理

Testing and experiments
测试和实验

Production and manufacturing capabilities-Production

生产与制造能力-生产

Production and manufacturing capabilities-Assembly
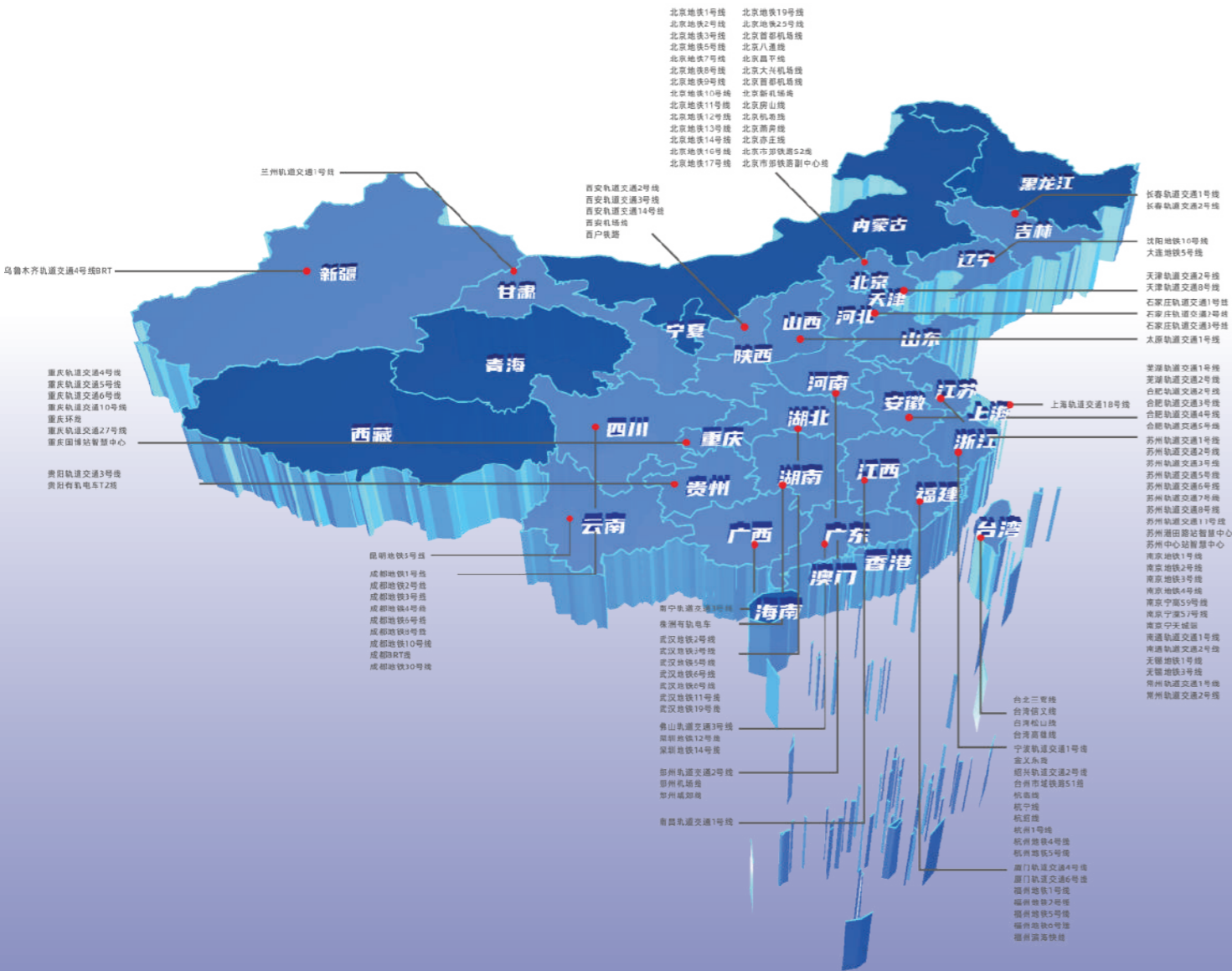
生产与制造能力-组装

Production and manufacturing capabilities-Testing

生产与制造能力-测试

Market Penetration Rate

市场占有率

The Market Distribution of Intelligent Products
智能产品市场分布

Products 产品	Market distribution 分布区域
Metro Products 地铁产品	**Domestic:** Supplies are available in all cities except those without a subway system such as Tibet Autonomous Region and Inner Mongolia Autonomous Region. **Others:** Southeast Asia, Australia, etc. **国内：** 除西藏、内蒙古等未开通地铁的城市，均有供货， **海外：** 东南亚以及澳大利亚等
Airport Products 机场产品	Wuhan, Hohhot, airports in Vietnam, and Xi'an have participated in the design of anti-turnback gates. 武汉、呼和浩特、越南、西安机场参与防折返门的设计
Venue Products 场馆类产品	In cities across the country where concerts are held, 5,000 units have currently been supplied. 全国开演唱会的城市，目前已供货5000台

Classic Case

Beijing Dongdan Station

北京东单站

Wuhan Tianhe Airport

武汉天河机场

Honor Launch Event

荣耀发布会

Commercial buildings

商务楼宇

Hangzhou Marathon

杭州马拉松

Suzhou Smart Station Demonstration Site

苏州智慧车站示范站

Suzhou Dushu Lake Hospital

苏州独墅湖医院

Commercial buildings

商务楼宇

Cooperation Mode
合作模式

Cooperation-Service Process
合作服务流程

ODM

1. Customer provides requirement
2. Leave the rest to LEGATE
3. Intellectual property rights belong to LEGATE

1. 客户提供需求
2. 其余交给LEGATE
3. 知识产权归LEGATE所有

ODM

1. Customer provides requirement
2. Leave the rest to LEGATE
3. Intellectual property rights belong to customer

1. 客户提供需求
2. 其余交给LEGATE
3. 知识产权归客户

OEM

1. Customer provides design drawing or prototype
2. Leave the rest to LEGATE

1. 客户提供设计图纸或原型
2. 其余交给LEGATE处理

Customer Consultation
客户咨询

Customer visit and inspection LEGATE
客户访问和检查 LEGATE

Communication of technical specification of product
产品技术规格的沟通

Production prototype according to requirements
根据要求的生产原型

Product delivery
产品交付

Manufacturing and Production
制造与生产

Sign the contract
签署合同

Customer feedback the opinions of the prototype
客户对原型的反馈意见

Product acceptance
产品验收

Warranty period
保修期