HIVISI

海威科技（集团）公司

产业基地：桂林国家高新区信息产业园海威科技园

电话：0773-5801111

官微

HIVISI

海威科技
公司简介

COMPANY PROFILE

健 康 光 环 境 整 体 解 决 方 案 供 应 商

HV-2026-07

32年
1994-2026

Hivision Technology (Group) Co., Ltd., is a state-owned equity-participated enterprise under Beitou Group and a digital innovation-driven technology company integrating R&D, testing, production, sales, installation and operation & maintenance. Founded in 1994, the company originated from the Optoelectronics Research Institute of Guilin University of Electronic Technology. Its profound scientific research heritage has laid a solid foundation for the enterprise's technological innovation.

As one of the first batch of national-level "Little Giant" enterprises specializing in niche sectors with cutting-edge technologies and strong innovation capabilities, Haiwei Technology boasts remarkable advantages in industrial layout and technological R&D. Its core business focuses on two key fields: overall solutions for urban digital lighting and digital tunnel lighting of expressways. The industrial base is equipped with an automated production line for high-luminous-efficiency digital lamps and a national-level CNAS-accredited laboratory with 177 testing items.

In terms of core products, the long-life, high-luminous-efficiency digital street lamps and tunnel lamps developed by the company have been included in the Catalogue of Green Technology Promotion of the National Development and Reform Commission (NDRC) and the list of energy-saving products for government procurement.

Adhering to the core technological concept of "digital energy conservation and digital cost reduction" and the five-dimensional integrated full-lifecycle energy-saving ecological services, Haiwei Technology delivers high added value of "three rounds of energy conservation and four rounds of cost reduction" to customers. It provides an innovative model for urban lighting EMC (Energy Management Contracting) and expressway tunnel energy-saving management, and contributes to the intelligent upgrading of the industry.

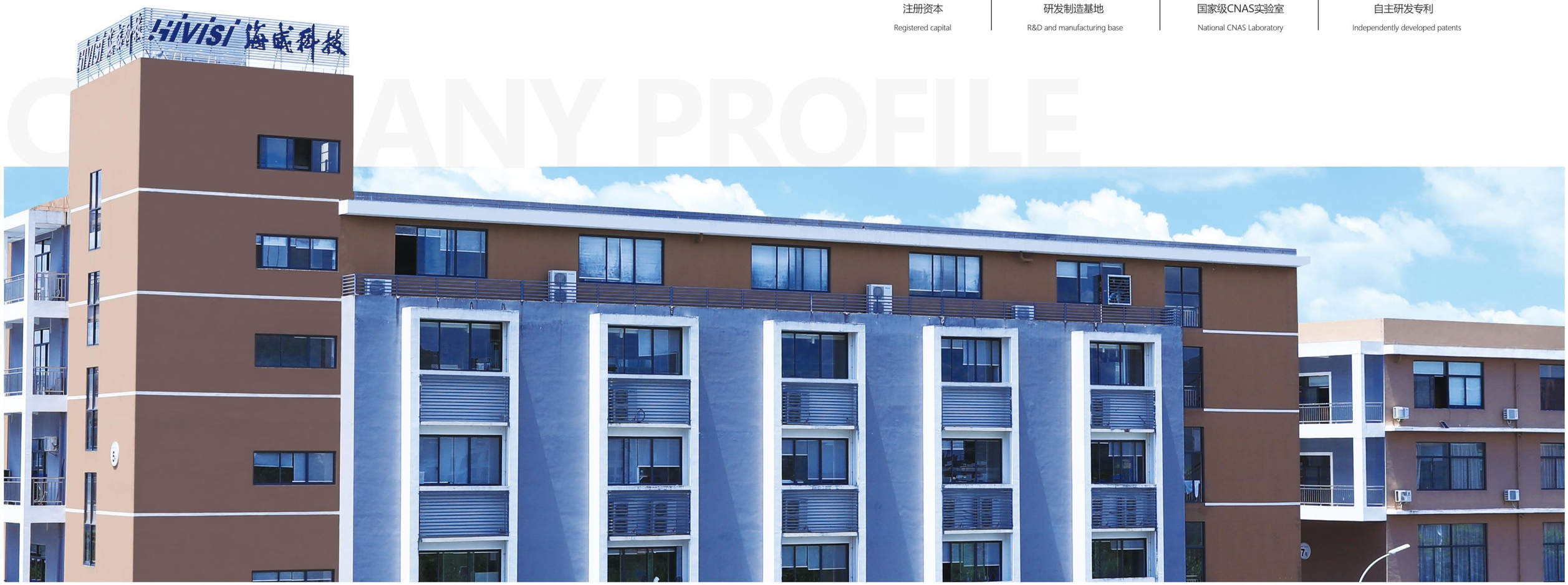
HIVISI 海威科技

国家级专精特新“小巨人”企业

海威科技是北投集团国资参股企业，是一家集研发、检测、生产、销售、安装及运维为一体的数创型科技企业。公司始创于1994年，前身为桂林电子科技大学光电研究所，深厚的科研基因奠定了企业技术创新的坚实根基。作为国家级专精特新“小巨人”企业，海威科技在产业布局与技术研发上优势显著，主营业务聚焦于城市数字照明和高速公路数字隧道照明整体解决方案两大核心领域，产业基地设有高光效数字灯具自动化生产线、并设立有177项检测项目的国家级CNAS实验室。在核心产品方面，公司研发的长寿命高光效数字路灯及隧道灯入选国家发改委《绿色技术推广目录》及节能产品政府采购品目清单。

海威科技秉持“数字节能、数字降费”的核心技术理念及五维一体全生命周期节能生态服务，为客户带来“三次节能四次降费”的高附加值，为城市照明EMC及高速公路隧道节能管理提供创新样本，助力行业智能化升级。

10000万	67000㎡	2200㎡	100项+
注册资本	研发制造基地	国家级CNAS实验室	自主研发专利
Registered capital	R&D and manufacturing base	National CNAS Laboratory	Independently developed patents





海威科技 CEO / 董事长　周明

正高级工程师

公共及景观照明节能技术国家地方联合共建实验室主任

国家万人计划人才

科技部国家创新人才推进计划创新创业人才

国家信息产业部科学技术司LED显示屏标准工作组首批成员

国家火炬计划产业化示范项目《节能型固态半导体路灯》、

《LED全彩、双基色大屏幕信息显示系统》负责人

中国市政工程协会标准化技术委员

董事长致辞

海威科技以做中国最稳定的LED产品为愿景，不断突破自己，小步迭代，加快形成新质生产力；并依托数字化赋能提升海威产品力，优化海威客户结构，不断挖掘数字经济与双碳战略所蕴含的技术革新和产业机遇，为客户带来“三次节能四次降费”的高附加值，成为健康光环境的领创者。

懂技术，爱生活，围绕客户体验与价值创造，海威科技更将把握新理念、掌握新技术、运用新模式，不断拓宽LED产业的应用场景，让更智慧、更健康、更绿色的光环境服务全人类！



海威科技CTO　王建卫

高级工程师

公共及景观照明节能技术国家地方联合共建实验室副主任

国家专精特新“小巨人”企业首席技术官

国家火炬计划产业化示范项目《节能型固态半导体路灯》、

《LED全彩、双基色大屏幕信息显示系统》技术负责人

国标《智能供配电与照明控制》主要参编人



海威科技设计总监　周晶

一级注册照明设计师

中国工会第十八次全国代表大会代表

全国五一劳动奖章获得者

全国市政工程最高质量水平评价工程主创设计师

央视春晚桂林分会场组委会特聘首席文艺实景演出灯光工程师

Company history
海威历程

1994-2005

1994 源起于桂电光电研究所，完成第一个经济合同：吉首人民银行证券部。

Originated from the Institute of Optoelectronics of Guilin University of Electronic Science and Technology, and completed the first economic contract: the Securities Department of the People's Bank of Jishou.

2002 海威科技第一块全彩显示屏面市。

The first full-color display screen was launched.

2005 引入LED全自动封装产品线，实现从LED产业下游向中游进军的战略部署。

Introduced LED full-automatic packaging product line to realize the strategic deployment of marching from the downstream to the midstream of the LED industry.

2008-2011

2008 服务于北京奥运会开幕式。

Serving the opening ceremony of the Beijing Olympic Games.

2009 “HIVISI”商标注册获准，完成首个LED路灯照明工程。

"HIVISI" trademark registration was approved, and the first LED street lighting project was completed.

2010 城市及道路照明工程专业承包资质；服务于广州亚运会开幕式、上海世博会。

Professional Contracting Qualification for Urban and Road Lighting Engineering; having served the Opening Ceremony of the Guangzhou Asian Games and the Shanghai World Expo.

2011 服务于深圳大运会开幕式，自治区广西信息化和工业化融合示范企业，自治区认定企业技术中心。

Serving the opening ceremony of Shenzhen Universiade,
Guangxi informatization and industrialization integration demonstration enterprises in the autonomous region, and the enterprise technology center recognized by the autonomous region.

2012-2014

2012 荣获广西著名商标。

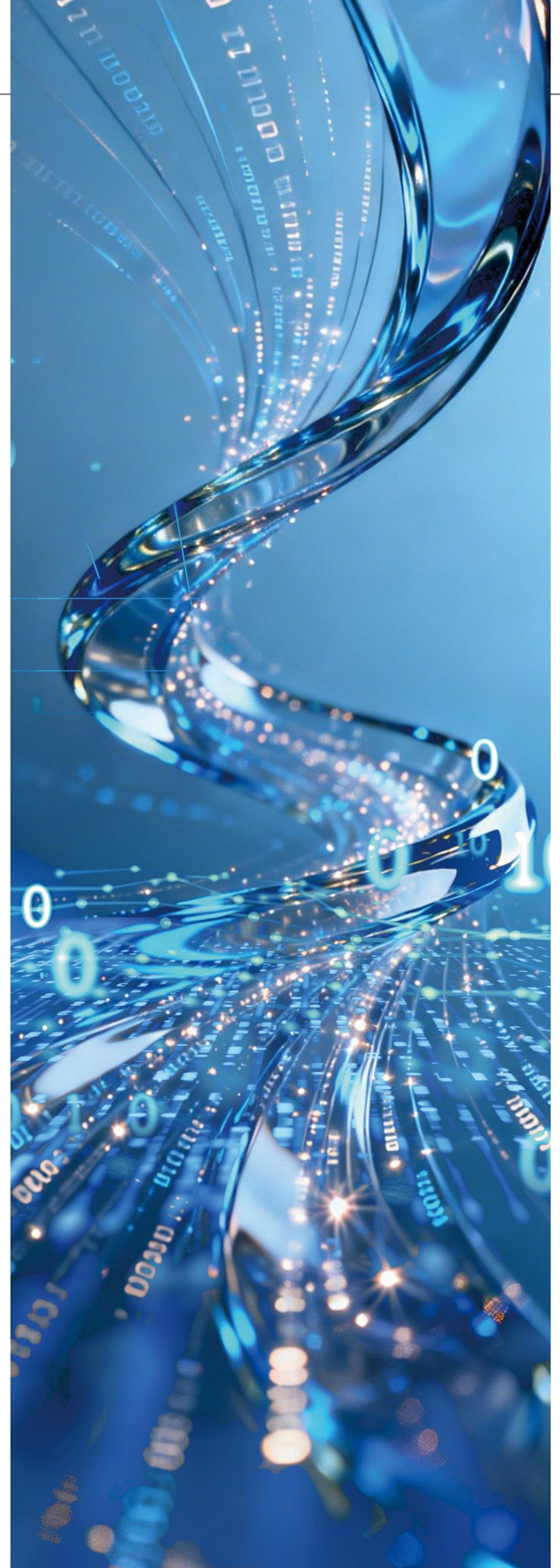
Won the title of Guangxi Famous Trademark.

2013 CQC产品认证中国节能产品认证。

Obtained CQC Product Certification and China Energy Conservation Product Certification.

2014 计算机信息系统集成资质、城市及道路照明工程专业承包资质、电子与智能化工程专业承包资质、中土集团国家援外项目。

Qualification for Computer Information System Integration, Professional Contracting Qualification for Urban and Road Lighting Engineering, Professional Contracting Qualification for Electronic and Intelligent Engineering, and China Civil Engineering Construction Corporation (CCECC) National Foreign Aid Projects.



2015-2017

2015 广西科学技术进步奖、入选节能产品政府采购清单、广西“守合同重信用”公示企业、完成高速公路ETC及高速公路隧道项目。

Guangxi Science and Technology Progress Award, selected into the government procurement list of energy-saving products, Guangxi's "contract abiding and credit worthy" publicity enterprises, and completed highway ETC service and highway tunnel projects.

2016 公共及景观照明节能技术国家地方联合工程实验室、广西半导体照明工程技术研究中心、国家级省级知识产权优势企业。

National and local joint engineering laboratory of public and landscape lighting energy saving technology, Guangxi Semiconductor Lighting Engineering Technology Research Center, national and provincial intellectual property enterprises.

2017 城市及道路照明工程专业承包壹级资质、服务于央视春晚桂林分会场，广西文化艺术中心。

Grade I qualification for professional contracting of urban and road lighting engineering, Served in Guilin Branch of CCTV Spring Festival Gala and Guangxi Culture and Art Center.

2019-2022

2019 服务于北京世界园艺博览会、荣获第九届金手指奖”优秀室外照明工程案例一等奖。

Served the Beijing World Horticultural Exposition and won the first prize of the 9th Golden Finger Award for outstanding outdoor lighting project cases.

2020 国家级CNAS认可实验室，首批国家“专精特新”小巨人企业、广西高新技术企业百强、数字广西建设标杆重点示范企业。

National CNAS accredited laboratory, national "specialized, special and new" small giant enterprise, top 100 high-tech enterprises in Guangxi, and key demonstration enterprise of digital Guangxi construction benchmark.

2022 获最高国字荣誉中国市政工程最高质量水平评价。

Won the highest national honor of the highest quality level of Chinese municipal engineering evaluation.

2025-未来..

2025 绿色技术推广目录，隧道与地下空间“四新技术”重点推广成果，公路隧道数字化提升典型工程案例。

Catalogue of Green Technology Promotion, Key Promotion Achievements of "Four New Technologies" in Tunnels and Underground Space, Typical Engineering Cases of Digital Upgrade for Highway Tunnels.

Corporate culture
海威文化

海威使命

做最健康的光环境给全人类使用；中国企业强则中国强，用公司力量推动中国走向强大

海威文化

志；有志气，不做二流

识；有知识，终身学习

恒；有恒心，持久努力

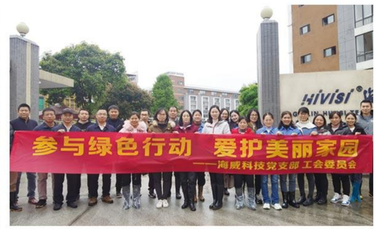
海威愿景

成为健康光环境的领创者；做中国最稳定的LED产品

海威核心价值观

勤奋工作，健康生活；意志坚定、团队精神；敬畏客户、持续成长







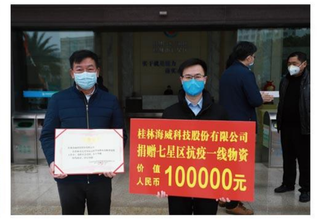


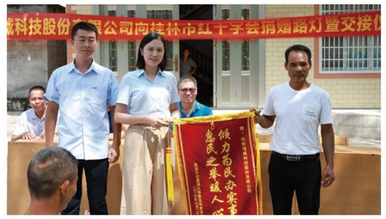












CORPORATE CULTURE

Honors and qualifications

荣誉资质

中国市政工程最高质量水平评价
Evaluation of the highest quality level of municipal engineering in China

企业信用评价AAA级
AAA level enterprise credit evaluation

国家绿色技术推广目录
Green Technology Promotion Catalog

全国质量检验稳定合格产品
Stable and qualified products through national quality inspection

健康光环境技能大师工作室
Healthy Light Environment Skills Master Studio

第九届金手指奖室外照明工程案例一等奖
First Prize of Outdoor Lighting Engineering Case at the 9th Golden Finger Awards

国家知识产权示范企业
National Intellectual Property Demonstration Enterprise

广西名牌产品
Guangxi Famous Brand Products

广西高新技术企业百强
Top 100 High tech Enterprises in Guangxi

广西科学技术进步奖
Guangxi Science and Technology Progress Award

广西智能工厂示范企业
Guangxi Intelligent Factory Demonstration Enterprise

守合同重信用公示企业
Contract abiding, trustworthy, and publicly disclosed enterprises

数字经济引领示范企业
Digital Economy Leading Demonstration Enterprises

数字终端生产企业
Digital terminal production enterprises

广西绿色建材下乡推广企业
Guangxi Green Building Materials Rural Promotion Enterprise

节能产品政府采购品目清单
List of government procurement items for energy-saving products

环境标志产品政府采购品目清单
List of Government Procurement Items for Environmental Labeling Products

工业产品推荐采购名录
Recommended Procurement List for Industrial Products

入选广西“人工智能+制造”和制造业数字化转型产业生态供给资源池
Officially included in Guangxi's Industrial Ecosystem Supply Resource Pool for "AI + Manufacturing" and Digital Transformation of the Manufacturing Industry



国家级专精特新小巨人企业

National level specialized and innovative small giant enterprise



ISO9001质量管理体系
ISO14001环境管理体系
ISO45001职业健康安全管理体系
ISO27001信息安全管理体系
7S管理标准
产品通过中国环境标志产品认证/中国节能产品认证/绿色建材产品认证/湾区认证/CCC、CE、CQC等多项认证

ISO9001 Quality Management System
ISO14001 Environmental Management System (Note: Standard ISO numbering should be ISO14001 for environmental management)
ISO45001 Occupational Health and Safety Management System
ISO27001 Information Security Management System
7S Management Standard
Product Certifications:
China Environmental Labeling Product Certification; China Energy Conservation Product Certification; Green Building Material Product Certification; Greater Bay Area Certification; CCC, CE, CQC, etc.

Cooperation and Business Layout

生态合作及业务布局

销售网络与服务体系覆盖全国各省市自治区，产品远销沙特、澳大利亚、美国、欧洲、东南亚、非洲等 50 多个国家及地区。

The sales network and service system cover all provinces, municipalities directly under the Central Government, and autonomous regions across the country. Its products are sold far to over 50 countries and regions, including Saudi Arabia, Australia, the United States, Europe, Southeast Asia, and Africa.

中国中车 CRRC　中国建筑　中国中铁　中国中冶　北投集团

中华人民共和国商务部 MINISTRY OF COMMERCE OF THE PEOPLE'S REPUBLIC OF CHINA　CHINA CIVIL 中国土木　中国交通建设 CHINA COMMUNICATIONS CONSTRUCTION　中国石油　中国石化 SINOPEC　国家能源集团 CHN ENERGY　中国华能 CHINA HUANENG　CHINA TOWER 中国铁塔



Intelligent manufacturing

智能制造-海德利

公司拥有自主研发产业基地，占地面积约67000平方米，涵盖多条自动化智能生产线与智能车间，在基地建设上，公司引进多台美国、日本先进生产制造设备，具备稳固的产能、质控和效率保证。

The company has an independently developed industrial base, covering an area of approximately 67,000 square meters. The base includes multiple automated intelligent production lines and smart workshops. In the construction of the base, the company has introduced a number of advanced manufacturing equipment from the United States and Japan, providing solid guarantees for production capacity, quality control and efficiency.



全自动固晶流水线

LED automatic die bonder assembly line



环球自动插件机

Univeral automatic through hole mounting machine



松下高速贴片机

Panasonic high-speed chip mounter



自动编带机

Automatic taping machine



德森锡膏印刷机

Desen solder paste printing machine



劲拓12温区回流炉

Reflow soldering machine with 12 temperature zone



三星泛用贴片机

Samsung SMT machine

National level CNAS laboratory
国家级CNAS实验室

海威科技国家级CNAS实验室占地面积达2200平方米，涵盖光学、电气、环境可靠性和电磁兼容（EMC）等测试项目，测试设备百余台。该实验室已具备国家及国际认可的质量管理水平和技术检测能力，可满足近百个国际、国家以及行业标准的测试要求，为公司内外部客户提供专业、高效的技术创新及检测服务。在海威科技愿景“做中国最稳定的LED产品”的引领下，实验室与全链路售后体系，保障项目从研发到运维的高质量落地。

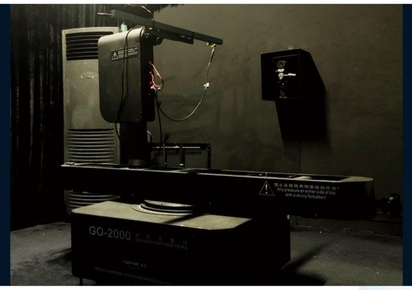
The national-level CNAS-certified laboratory of Hiwin Technology covers a floor area of 2,200 square meters, equipped with over 100 testing instruments for a full range of test items including optics, electrical performance, environmental reliability and Electromagnetic Compatibility (EMC). Endorsed by national and international accreditation, the laboratory boasts standardized quality management systems and professional inspection capabilities compliant with nearly a hundred international, national and industrial standards, delivering specialized and efficient technological innovation as well as testing services for internal and external clients. Guided by Hiwin Technology's corporate vision of "manufacturing China's most reliable LED products", the laboratory works alongside the full-lifecycle after-sales service system to ensure high-quality delivery of projects spanning from R&D through operational maintenance.





02 电气检测





4大检测
4 major tests

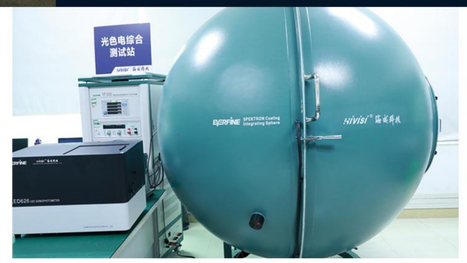
177 项检测项
Provide 177 testing items

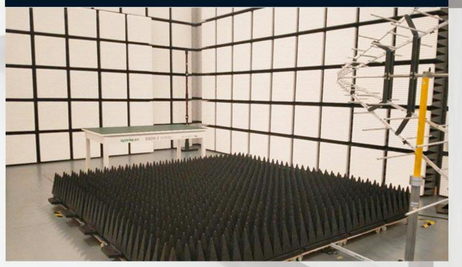


03 可靠性与环境检测



01 光学检测





04 电磁兼容检测

Technological Innovations
技术创新

创新成果
Innovative achievements

已拥有 **100+** 专利及软件著作权

More than 100 patents and software copyrights

专利认证
patent certification



近20项标准制定
Nearly 20 standard developments

智慧城市智能多功能杆系统总体要求GB/T 44408-2024

城市光景观 照明设施运行维护服务规范GB/T 43637-2024

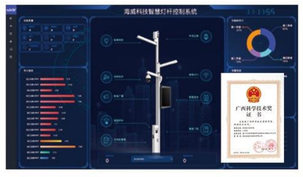
校用教室照明护眼技术要求规范T/CAUI009-2024

多功能灯杆技术条件T/CMEA31-2022

……

General Requirements for Smart City Intelligent Multi functional Pole System GB/T 44408-2024
Operation and Maintenance Service Specification for Urban Landscape Lighting Facilities GB/T 43637-2024
Technical Requirements Specification for Eye Protection Lighting in School Classrooms T/CAUI009-2024
Technical specifications for multifunctional lamp posts T/CMEA31-2022

重大专项成果
Major special achievements



基于灯杆的智慧照明及物联网关键技术研发与应用

围绕城市智慧照明与信息感知交互需求，攻克多源终端多路采集与高并发处理难题，建成海量灯杆设备一体化管控大数据平台。获授权专利 10 项、软件著作权 7 项，参与制定国标《智慧城市 智慧多功能杆系统功能要求》（GB/T 44408-2024），并获广西科学技术进步奖。

Intelligent Lighting and Internet of Things Based on Lamp Poles

Focusing on urban smart lighting and information perception interaction needs, we overcame multi-source terminal multi-channel collection and high-concurrency processing challenges, and built a big data platform for integrated management of massive pole devices. It has 10 authorized patents, 7 software copyrights, participated in formulating the national standard Smart Cities – Functional Requirements for Smart Multi-Purpose Pole Systems (GB/T 44408-2024), and won the Guangxi Science and Technology Progress Award.



基于大数据人工智能技术的道路智慧照明及运维系统

针对智慧城市照明建设中存在的困难和问题，结合大数据技术及人工智能技术提出了智慧城市照明系统方案。

Road intelligent lighting and operation and maintenance system based on Big data artificial intelligence technology

In view of the difficulties and problems in the construction of smart city lighting, a smart city lighting system scheme is proposed based on Big data technology and artificial intelligence technology.



高速公路隧道无线动态调光照明与能碳管理技术应用

构建 “智能感知 — 边缘决策 — 云端管理” 三级架构，自主研发数字交通照明灯具与协同 AI，通过群体智能算法实现动态照明优化。具备 CCER 碳资产潜力，技术成果入选国家发改委绿色技术目录，并获评中国公路学会权威评价及 年度隧道与地下空间‘四新技术’重点推广成果”。

Application of Wireless Dynamic Dimming Lighting and Energy-Carbon Management Technology in Expressway Tunnels

It constructs a three-tier architecture of "Intelligent Perception – Edge Decision-Making – Cloud Management". The company independently develops digital traffic lighting fixtures and collaborative AI, and realizes dynamic lighting optimization through swarm intelligence algorithms. The system carries CCER carbon asset potential. Its technical achievements have been included in the Green Technology Catalogue issued by the National Development and Reform Commission, and it has obtained authoritative appraisal from the China Highway & Transportation Society, as well as the title of Key Promoted "Four New Technologies" for Tunnels and Underground Spaces of the Year.

Healthy Light Environment Design Institute
健康光环境设计院

团队深耕 LED 绿色节能领域近 30 年，海威光环境设计院汇聚平均 10 年以上经验的顶尖设计团队与技术专家，并依托经人社部门认定的 “健康光环境技能大师工作室”，为客户提供智慧照明节能整体解决方案。方案覆盖城市照明与隧道照明的精准节能率测算、数字照明 “三次节能、四次降费” 系统方案、全流程节能改造实施规划，以及项目运营期的高效运维服务。所有方案均以严谨的数据模型与科学的设计方法为基础，以理性规划与精准实施为原则，旨在为客户打造高品质光环境，同时实现能耗与成本的双重优化。

With nearly 30 years of dedicated experience in the LED green energy-saving sector, our team has established a strong foundation of expertise. The Haiwei Light Environment Design Institute brings together a top-tier team of designers and technical specialists with an average of more than 10 years of industry experience, and leverages the “Healthy Light Environment Master Skill Studio” recognized by human resources authorities to deliver comprehensive smart lighting energy-saving solutions.

Our offerings cover precise energy-saving rate calculation for urban lighting and tunnel lighting, systematic “third-stage energy saving and fourth-stage cost reduction” digital lighting solutions, full-process energy-saving renovation planning, and efficient operation and maintenance services throughout the project lifecycle. All solutions are grounded in rigorous data modeling and scientific design methodologies, guided by principles of rational planning and precise implementation. Our mission is to create high-quality light environments for clients while achieving dual optimization of energy consumption and operational costs.



顾问大师 Master Consultant



徐华 Xu Hua



沙晓岚 Sha Xiaolan



郝洛西 Hao Luoxi



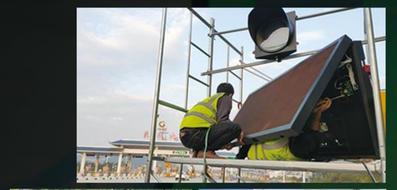


OVERALL SOLUTION FOR HEALTHY LIGHT ENVIRONMENT

Engineering Services
工程服务

策划创意 / 生产制造 / 品质把控 / 安装运维 /
技术支持 / 售后保障

Planning and Creativity/Manufacturing/Quality Control/Installation
and Maintenance/Technical Support/After sales Support



拥有 200+ 工程交付人员

海威科技承诺：“产品+方案+服务”
一站式项目运作体系
拥有高水平工程技术服务团队和完善的项目支持运维、
售后服务能力，确保项目高效运行。

With over 200 engineering delivery personnel
Commitment: "product+solution+service"
We have a high-level engineering and technical service team, as well as sound capabilities in project support, operation & maintenance, and after-sales service, to ensure the efficient operation of projects.

团队资质及保障
Team Qualification and Guarantee

- **城市道路照明工程专业承包壹级** — Urban Road Lighting Engineering Professional Contracting Grade I
- **电子与智能化工程专业承包贰级** — Electronic and Intelligent Engineering Professional Contracting Grade II
- **市政公用工程施工总承包贰级** — Municipal Public Utilities Engineering Construction General Contracting Grade II
- **机电工程施工总承包贰级** — Class II General Contracting for Mechanical and Electrical Engineering Construction

通过实施科学合理的成本控制与效益优化策略，确保项目运维工作的长期性、有序性和高效性。
在项目运营的各个阶段，我们持续致力于节能目标的实现，以合同能源管理模式为基础，
为客户提供稳定、安全、高效的能源服务，确保该模式得以顺利实施。

By implementing scientific and reasonable cost control and benefit optimization strategies, we ensure the long-term nature, orderliness and efficiency of project operation and maintenance work.
At all stages of project operation, we continuously commit to achieving energy conservation goals.
Based on the energy performance contracting (EPC) model, we provide customers with stable, safe and efficient energy services to ensure the smooth implementation of this model.



3 major businesses

3大业务

海威科技聚焦3大行业领域

打造“数字节能、数字降费”核心技术理念

Focus on 3 key industrial sectors

Forge the core technological concept of "digital energy conservation and digital cost reduction"

健康光环境整体解决方案供应商

urban lighting

城市照明

合同能源管理

景观照明

智慧园区

Energy Performance Contracting

Landscape lighting

Smart Park

expressway

高速公路

隧道照明数智管控

指挥中心信息可视化

可变信息情报板

Digital & Intelligent Control of Tunnel Lighting

Information Visualization for Command Center

Variable Message Sign

Rail Transit

轨道交通

区间照明节能方案

PIS乘客信息发布系统

LED车载屏

LCD动态地图

Energy saving scheme for interval lighting

PIS Passenger Information Release System

LED car screen

LCD dynamic map

强化安全 优化能效 智慧管理 低碳运营

Strengthening security, optimizing energy efficiency, intelligent management, low-carbon operation

三次节能四次降费双引擎

The Dual Engines of "Three Rounds of Energy Conservation and Four Rounds of Cost Reduction"

一次节能

基础改造

LED技术革新

二次节能

智能控制

自动化与传感器集成

三次节能

AI智能化

大数据与AI算法驱动

四次降费

数字能碳平台化

智慧运维降本增效

能碳边缘数据中心

Carbon Edge Data Center



核心设备 提供核心算力支持

Core devices provide core computing power support

HIYIN海云威能碳系统

HIYIN Haiyun Energy & Carbon System



AI数据平台 精细化能耗管理运维

Fine grained energy management and operation of AI data platform

展示项目管理最核心、用户最关心的指标和数据、为企业实现数字化、低碳化发展提供强有力支持

Display the most core indicators and data of project management that users are most concerned about,
This provides strong support for enterprises to achieve digital and low-carbon development.

Urban lighting
城市照明

海威科技城市数字照明整体解决方案，通过多技术融合的智慧照明架构设计，打造行业领先的“三次节能四次降费”创新技术。自主研发的HIYIN海云数字能碳平台，秉持“安全、管理、节能、双碳”的方案理念，软硬件高度集成的数字节能，助力能耗精减长效运行，有效实现降本增效，驱动城市智慧照明的持续发展。

Through the design of an intelligent lighting architecture integrated with multiple technologies, we have created an industry-leading innovative technology featuring "three rounds of energy conservation and four rounds of cost reduction". The independently developed HIYIN Digital Energy-Carbon Platform adheres to the solution concept of "safety, management, energy conservation, and dual carbon goals". With highly integrated hardware and software for digital energy conservation, it helps achieve long-term operation with reduced energy consumption, effectively realizes cost reduction and efficiency improvement, and drives the sustainable development of urban intelligent lighting.

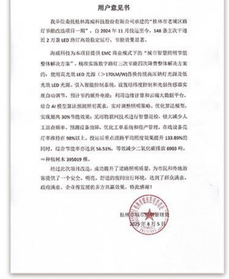




合同能源管理案例-桂林市老城区路灯改造项目

Contract Energy Management Case - Guilin Old Town Street Light Renovation Project

桂林市老城区路灯改造项目广泛覆盖该市四个核心城区，一期涉及148条道路，对11663根灯杆上的21211盏路灯实施全面升级。该项目引入高效能LED数字路灯与智能远程单灯调光控制系统，运用天气自适应及按需照明调光技术，路灯亮灯率稳固保持在98%以上，设备完好率亦达到100%。


用户意见书

我市位于桂林市高城科技股份有限公司承建的“桂林市老城区路灯节能改造项目一期”，自2024年11月投运至今，148条主次干道共2.2万盏LED路灯均按设计运行，节能效果显著。

海威科技为本项目提供EMC合同能源管理模式下的“城市智慧照明节能整体解决方案”，精准实施数字路灯三次节能四次降费整体解决方案的。按照现有LED光源（≥150kW)的照明规模测算，优化新设规划，实现能耗降低30%节能效果，无间断的远程监控与智慧运维，极大减少人工巡查频率，预期设备故障，优化工单系统响应平台效，有效设备完好率维持在98%以上，综合计算，预计每年可节约用电量约133.89W万时，综合节能率约达到56.51%，等效减少二氧化碳排放6903吨，一种植树8.395019棵。

经过此次项目改造，桂林市老城区路灯的照明质量，为市民出行体验和旅游提供了一个安全、明亮、舒适的视觉环境。达到了群众满意，政府满意，企业得发展的多方共赢效果，特此感谢！

桂林市临桂区[illegible]
2025年8月1日



urban lighting

城市照明



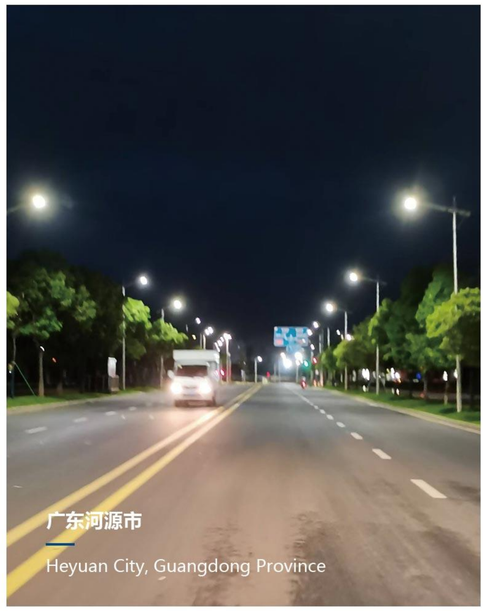
桂林临桂区

Lingui District, Guilin



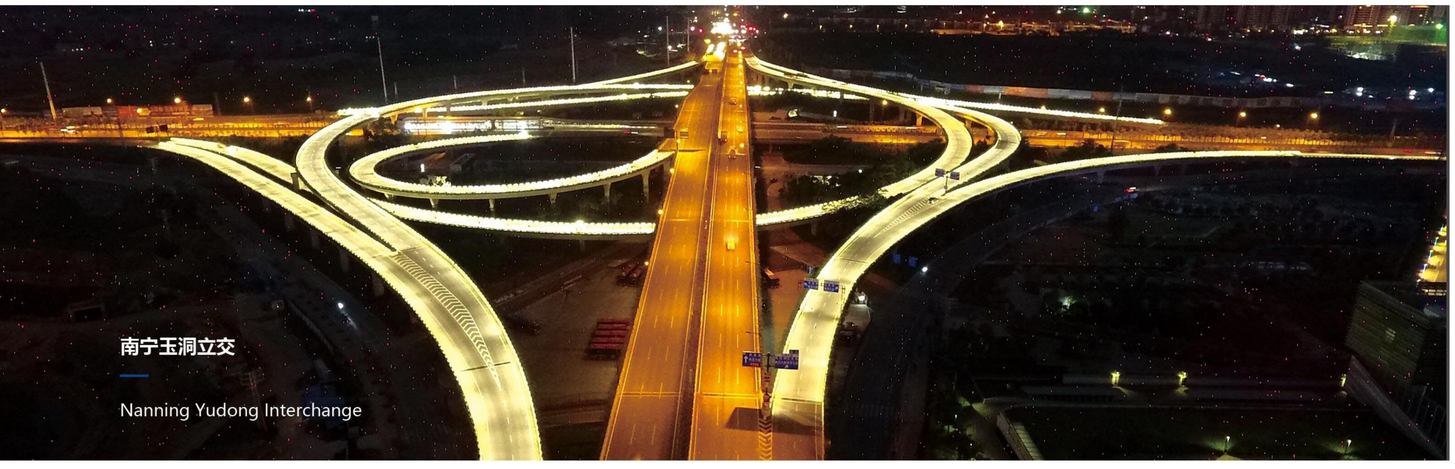
河北邢台市

Xingtai City, Hebei Province



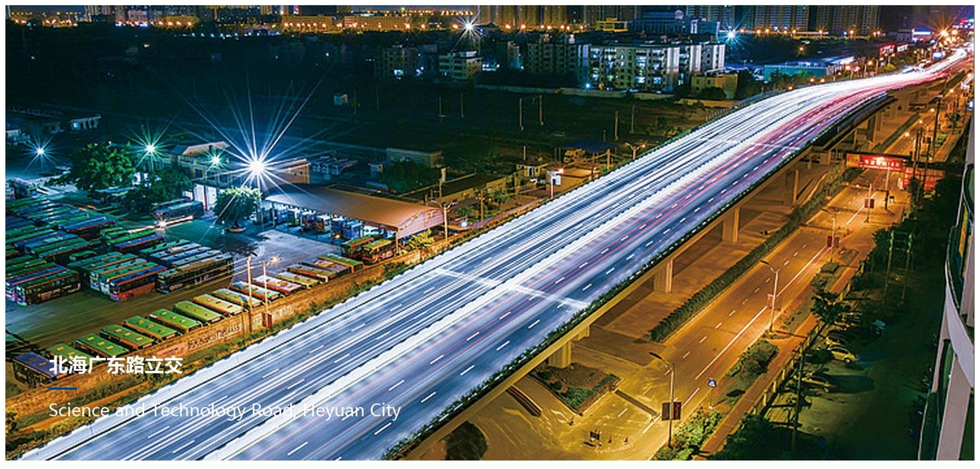
广东河源市

Heyuan City, Guangdong Province



南宁玉洞立交

Nanning Yudong Interchange



北海广东路立交

Science and Technology Board, Heyuan City

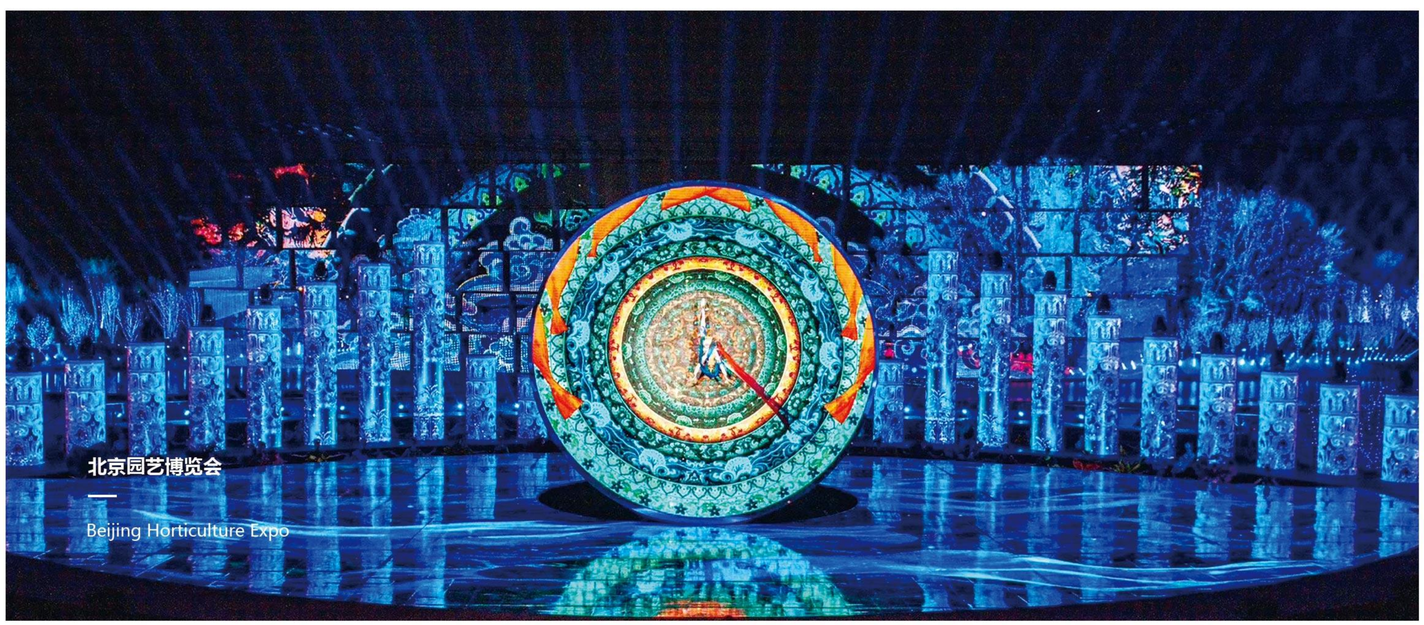
urban lighting
城市照明

央视春晚桂林分会场

Guilin Branch of CCTV Spring Festival Gala

被誉为醉美舞台灯光
Known as the most beautiful stage lighting





北京园艺博览会

Beijing Horticulture Expo

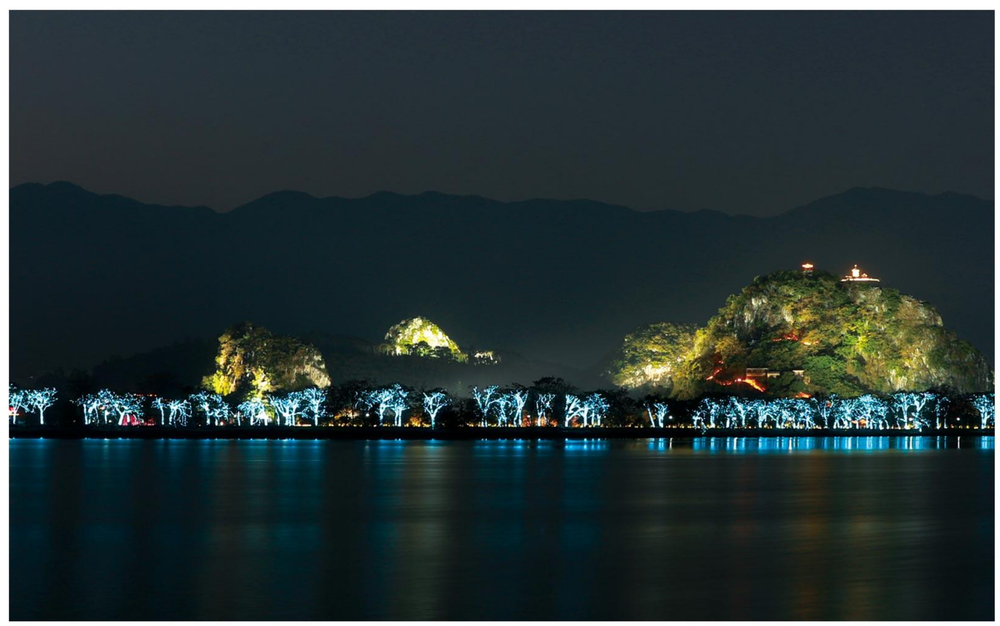


西江千户苗寨

xijiang miao village

肇庆夜景

Night view of Zhaoqing City



Highway - Digital Tunnel Lighting

高速公路-数字隧道照明

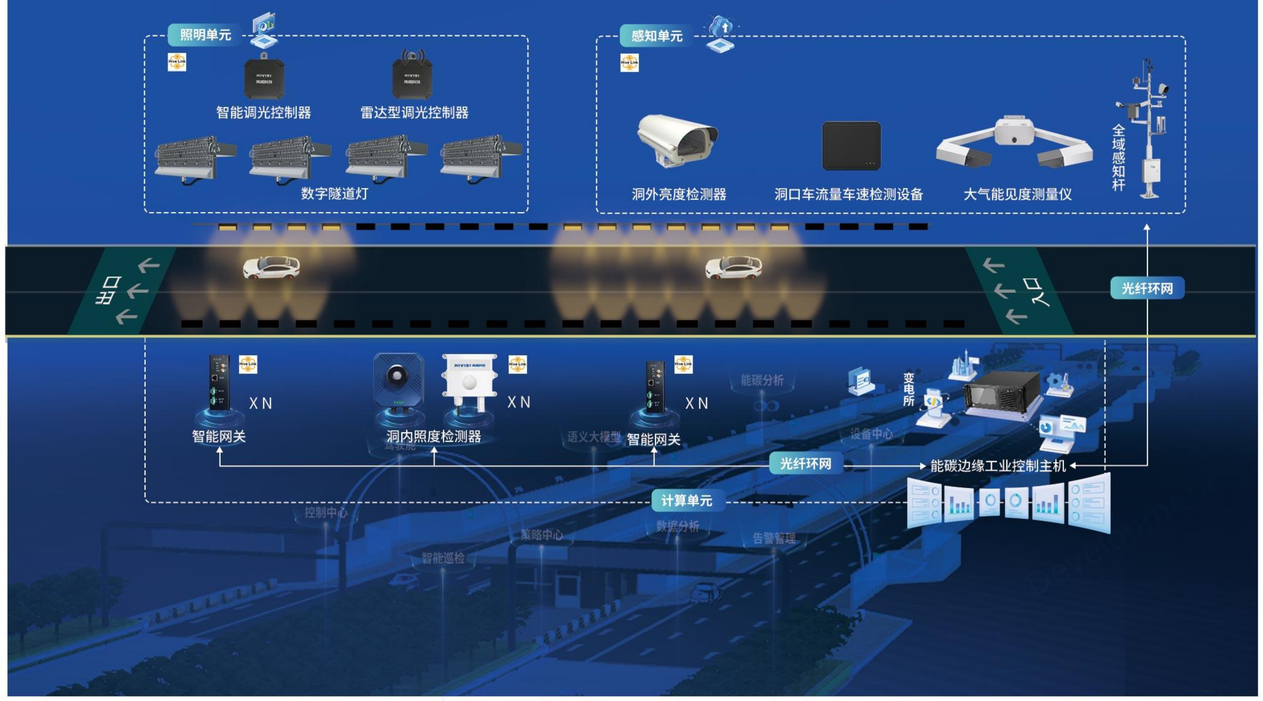
海威隧道照明数智管控整体解决方案，创新应用分布式Hivelink组网技术，攻克隧道多跳传输中的信号衰减、延迟及同步难题，替代传统有线方案，显著降低部署与运维成本。基于车流感知的Synth AI Eco协调算法，实现隧道照明动态调控，结合智能监测技术实时诊断系统状态、精准预测故障。自主研发的 HIYIN 海云威能碳开放平台，依托物联网大数据架构，支持百万级设备互联与异构数据整合，精准核算碳减排量，支持CCER项目开发与碳资产变现。通过深度机器学习实现设备故障诊断，构建全链路运维体系，为隧道照明等场景提供全周期智能解决方案，以节能降碳+碳资产收益双重价值实现降本增效。该系统方案已形成完整技术体系（含软件著作权及研究报告）及案例验证，全面契合交通基础设施数字化转型与“双碳”战略要求，具备大规模推广价值。

The all-in-one intelligent digital control solution for Hiwin tunnel lighting innovatively adopts the distributed Hivelink networking technology, overcoming signal attenuation, transmission latency and synchronization obstacles occurring in multi-hop tunnel data transmission. Replacing conventional wired solutions, it substantially cuts deployment and operation & maintenance costs.

Driven by the Synth AI Eco coordination algorithm with traffic flow sensing, the system enables dynamic dimming and regulation of tunnel lighting. Paired with intelligent monitoring technology, it conducts real-time system diagnostics and accurate fault prediction.

The self-developed HIYIN Haiyun Weineng Open Carbon Platform, built upon an IoT big data framework, supports interconnection of millions of devices and heterogeneous data integration. It precisely calculates carbon emission reductions and facilitates CCER project development and monetization of carbon assets. Powered by in-depth machine learning for equipment fault diagnosis, a full-chain operation and maintenance framework is established to deliver full-lifecycle smart solutions for tunnel lighting and similar scenarios, realizing cost reduction and efficiency improvement via dual benefits of energy conservation, carbon abatement and carbon asset proceeds.

Backed by a complete technical portfolio including software copyrights and research reports as well as verified engineering cases, this solution fully aligns with the digital transformation of transportation infrastructure and China's Dual Carbon Strategy, boasting great potential for large-scale market rollout.



Highway - Intelligent display

高速公路-智能显示

海威是国内直插式户外显示技术的领军企业，在交通领域研发的小视角防眩光显示屏，有效提升了道路安全性能。自主研发的智能控制系统支持多终端组网，配备开放接口协议与模块化架构，可定制智慧交通解决方案并二次开发。产品通过国家交通工程产品检测中心认证，获权威检测报告及工厂质量体系证书，为智能交通建设提供高可靠性技术保障。

The leading enterprise in domestic direct insertion outdoor display technology has developed small angle anti glare display screens in the transportation field, effectively improving road safety performance. The independently developed intelligent control system supports multi terminal networking, equipped with open interface protocols and modular architecture, and can customize smart transportation solutions for secondary development. The product has been certified by the National Transportation Engineering Product Testing Center and obtained authoritative testing reports and factory quality system certificates, providing high reliability technical support for intelligent transportation construction.



高速公路可变情报板
Highway variable information board



信息发布显示屏
Information release display screen



城市交通情报板
Urban Traffic Information Board



车道指示类
Lane indication category



可变标志
Variable Flag



收费站类
Toll station category

expressway

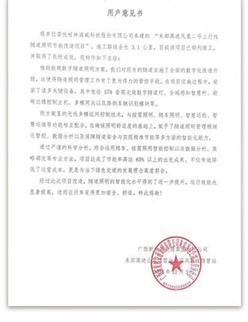
高速公路



贺州至巴马公路来都段CCER标杆案例-凤凰二号隧道项目

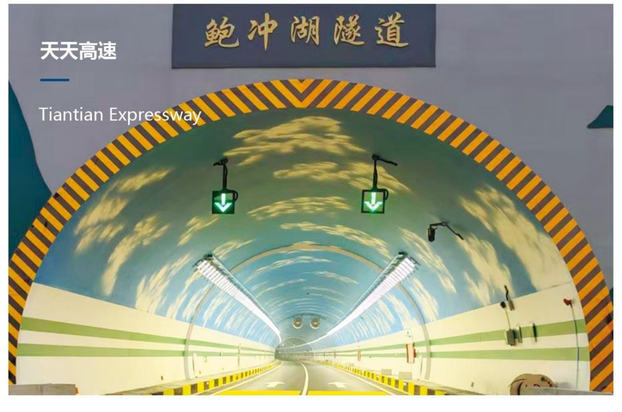
Digital Tunnel Case - Phoenix No.2 Tunnel Project

凤凰2号隧道以“硬件升级 + 智能技术”深度融合实现运维效能全面升级，改造应用高光效长寿命数字隧道灯与分布式Hivelink组网技术，破解传统有线方案信号衰减、延迟难题并降低部署成本；依托Synth AI Eco算法动态调光，结合自主HIYIN海云威能碳平台整合数据、精准诊断故障，构建全链路智能运维体系。改造后综合节能率达65%，故障定位效率提升92%，耗材减少45%，维修人工成本优化，智能网关故障率从8%降至1.2%，实现经济效益、环境效益与运维效率三重提升。











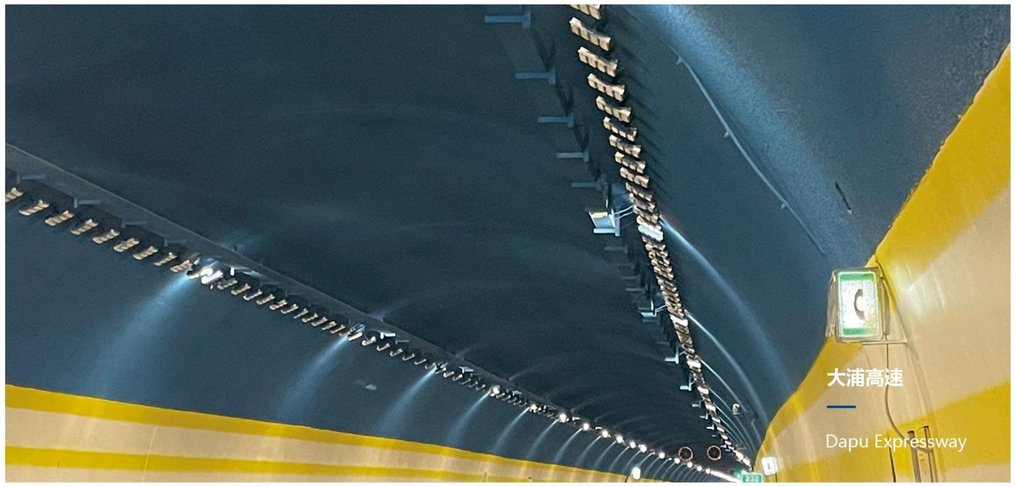
巴羌高速
Daqiang Expressway



来马高速
Laima Expressway



蒙象高速
Mengxiang Expressway



大浦高速
Dapu Expressway



来都高速
Laidu Expressway

expressway

高速公路



信梧高速

Xinwu Expressway



河北承秦高速

Chengqin Expressway (Hebei Section)



百色市南环线

South Ring Road of Baise City



江苏海门

Haimen District, Jiangsu Province

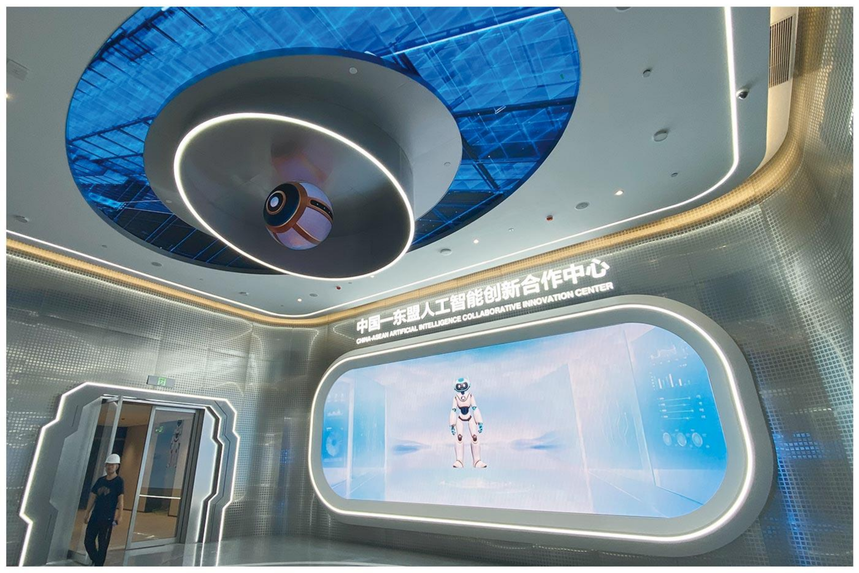
Intelligent display
智能显示

交通可视化指挥调度平台

Traffic Visualized Command
and Dispatching Platform









数字广西协同调度指挥中心

Digital Guangxi Cooperative Dispatching Command Center

南A中心展示中心

South A Center Exhibition Center

Rail Transit
轨道交通

海威作为中车的一级供应商，在轨道交通领域发挥着重要作用。公司长期为轨道交通行业提供高质量的车载显示屏、动态地图以及车载照明、站台照明和区间照明产品。此外，海威科技还专注于研发和供应PIS乘客信息系统，为乘客提供实时列车信息、出行指南和安全提示等全方位服务，助力提升轨道交通的运营效率和乘客出行体验。

As a first tier supplier of CRRC, it plays an important role in the field of rail transit. The company has long provided high-quality on-board display screens, dynamic maps, as well as on-board lighting, platform lighting, and section lighting products for the rail transit industry. In addition, Haiwei Technology also focuses on developing and supplying PIS passenger information systems, providing passengers with real-time train information, travel guides, safety tips, and other comprehensive services, helping to improve the operational efficiency of rail transit and passenger travel experience.






南宁轨道交通3号线广西规划馆站至庆歌路站区间照明节能试点
业绩证明

城轨交通案例-南宁轨道交通三号线项目

Urban Rail Transit Case - Nanning Rail Transit Line 3 Project

在试点项目中，成功将原有的28W传统LED灯具替换为5W高光效LED灯具，并加装智能控制柜，实现了高达69%的综合节能率。LED隧道灯具备高光效、低功耗的特点，专为地铁区间隧道环境设计，确保光效和防护等级均满足国家标准。引入智能配电柜和能碳平台后，照明系统能够实现远程通信和电力监控，不仅可提高管理效率，还能大幅降低维护成本。海威科技在轨道交通区间照明领域拥有卓越的节能效果和技术优势，致力于为客户提供更智能、更可靠的照明解决方案。

Rail Transit

轨道交通









