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汉威电子
Hanwei
股票代码：300007

WITH SENSOR AS THE CORE TO BE THE LEADING IOT SOLUTIONS SUPPLIER

以传感器为核心，领先的物联网解决方案提供商

创造安全·环保·健康·智慧的工作、生活环境

Promise a safe, Environmental friendly, healthy and smart working and living environment.

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Integrity/Harmony
诚信/人和
诚者，天之道也，思诚者，人之道也。秉道笃行，臻于人和。
Integrity is the law of nature, thus to study integrity is the law for human.
Conduct firmly in accordance with the law and finally brings harmonious interpersonal relationship.

民族的汉威 世界的汉威
National and International Hanwei

起于中州，兴于华夏，融于世界。乘中原物华之天宝，人杰之地灵，文化之悠长，以德为本，誉满截道，名闻一方。

精研经营之艺，乘黄天厚土，秉霄汉雄风，博采众长，开行业新风。历金戈铁马，厚积薄发，以引豪长啸之势，定鼎中原，逐鹿天下，自成一家。

曾闻：求木之长必固其根，欲流之远必浚其源。汉威处世之准，重情义而讲诚信，和睦属而睦芳邻，是为德厚之相。

时逢盛世，业势如虹。汉威电子胸怀博击长空之豪情，海纳百川之气魄，博遨商海，诚迎八方友人同谋发展，造福大众，共创宏图，屹立世界名企之林，共展鸿鹄之志。

Generated from Middle China and flourished in whole China and finally melted into the world. Endowed with natural treasures and talents with natural gifts as well as rich history from immortal from the Middle China, Hanwei takes virtues as the basis and obtains gold reputation as well as wide popularity.

Through careful study to the marketing tactic and taking advantage of the endowed natural gifts and virtues of different fields, we are bravely and vigorously developing new frontier, we have gone through thick and thin in the past and accumulated great experiences and are now waiting for opportunities to show these advantages, to compete in the huge market, with great confidence, and then seize a share in the market and form our own characteristics.

It is said that the root should be fixed firstly for the growth of the tree while the headstream should be deepened for a stream to flow far. Hanwei, adhering to its working principle of friendship and integrity first, living harmoniously with family members and neighbors, only by this way, we can achieve rich virtues.

Living in this flourishing age with different industries prosperous as the colors of rainbow, Hanwei Electronics, with loft sentiments and aspiration to fully demonstrate its talents as well as wide spirit to embrace different merits in the worlds, is actively traveling in the wide business market. Hanwei Electronics sincerely welcome friends from different places to here, to plan for mutual development and to show national ambition, to develop national industries and finally to rank among world famous enterprises as well as to fulfill mutual ambitions.

创造安全、环保、健康、智慧的工作、生活环境

以传感器为核心，领先的物联网解决方案提供商

Promise a safe, Environmental friendly, Healthy and Intelligent working and living environment.
With sensor as the core, to be the leading IOT Solutions Supplier

天和万象明，地和万物生，人和万事兴，秉持天地人和之道，坐拥天地人和之盛。

Once the heaven elements living in harmony then everything in the world is bright, if the earth elements living in harmony then every creatures will grows, and if people can live in harmony, then everything will become flourishing. We should adhere to the principle of harmony co-existence of heaven, earth and people and thus to enjoy the corresponding magnificence of life.

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About us
公司简介

河南汉威电子股份有限公司（股票代码：300007）是一家值得信赖的创新型科技公司，国内最大的气体传感器及仪表制造商，创业板首批上市公司，致力于创造安全、环保、健康、智慧的工作、生活环境。汉威电子围绕物联网产业，将感知传感器、智能终端、通讯技术、云计算和地理信息等物联网技术紧密结合，打造汉威云，建立完整的物联网产业链，结合环保治理、节能技术，以客户价值为导向，为智慧城市、安全生产、环境保护、民生健康提供完善的解决方案。

Henan Hanwei Electronics Co.,Ltd.(Stock no.:300007) founded in 1998,is a trustworthy innovative technology company, and the largest gas sensors and instruments manufacturer in China, listed on China's Growth Enterprise Board in the first batch, devote ourselves to promise a safe, environmental friendly, healthy and smart working and living environment. Around IOT industry, Hanwei Electronics will combine sensors, intelligent terminal, communication technology, cloud computing and geographic information IOT technology together closely, create Hanwei cloud, establish a complete IOT industry chain. Hanwei Electronics focus on the customer value oriented, provide perfect solutions for smart city, production safety, environmental protection, health of the people's livelihood.

Hanwei Sky
汉威星空

Words from Team Leaders
管理层寄语

我们崇尚尽责！作为员工，我们圆满完成每一项任务；作为公民，我们维护社会和谐；作为家庭一员，我们孝敬父母、爱护家人；作为华夏子孙，我们时刻不忘祖国利益；作为企业，我们肩负企业使命，努力提供完善的解决方案和无忧快捷的增值服务，创造安全、环保、健康、智慧的工作、生活环境，为客户、为员工、为股东、为企业、为民族、为社会，汉威人全力以赴兑现自己的承诺。

我们崇尚创新！我们从材料科学、器件工艺、仪表技术、应用软件、集成应用入手，自主创新、系统创新、持续创新，积累了丰富的行业、技术经验，持续推出新产品，满足多样化应用需求，为客户提供最新科技带来的安全和便利；我们拥有训练有素的专业人才，科学严谨的工艺流程，先进的生产、检验设备，从客户需求诊断、方案设计，到产品制造、安装服务，都严格遵循“优质、诚信、创新、高效”的质量方针，确保产品和服务满足您的个性化需求。

我们崇尚以人为本！十余年的发展路程，是汉威人尽责和创新的路程，也是汉威人追求快乐的路程。相对于未来“安全、环保、健康、智慧”领域广博的事业空间，过去的一切仅仅是开始。我们将坚持“人才为本、文化为魂”，凝聚团队，优化管理，科学决策，协作进取，努力缔造一个“稳健务实、科学创新、持续发展”的企业，使汉威成为全球领先的传感器提供商、物联网产业领先企业。

为此，我们期待携手所有的朋友，共赴未来，分享成功和快乐！

We advocate responsibility! As Hanwei employees, we do each task successfully; As citizens, we maintain social harmony; As a member of family, we love our parents and families; As descendants of the Chinese nations, we never forget the motherland concerns; As enterprise,We shouldering Hanwei’s missions, work hard to supply perfect solutions, convenient and prompt value-added service. We promise a safe, environmental friendly, healthy and smart working and living environment. We Hanwei People will do our best to keep our promises to customers, employees, stockholders, enterprises, nationality, society.

We advocate innovation! Innovation is power for us to grown up! Start with materials science, productive technology, instrument technology application software and integration application, we keep innovation, had accumulated rich industry and technology experience. We Keep on launching new products to meet the diverse needs of users. We own well-trained professionals, scientific and rigorous technological process , advanced manufacturing and inspection facilities .From solution to product, we all strictly followed quality guidelines of high quality, integrity, innovation, efficiency, make sure provide more suitable customized solutions for you!

We advocate people oriented! A united group with democratic management, scientific decision and joint cooperation would assure HANWEI to be a global leading sensor supplier and IOT industry leading enterprise!

We hope create a better future together with you!

Hanwei Journey

汉威征程

天地之中 财富沃土 中原核心 优势天成

汉威位于中原腹地河南省郑州市，这里自古即是财富融汇、商贾云集要地，无数创业精英们用智慧、毅力、勇气创造出一段又一段动人心魄、经久不衰的财富传奇。从千年前商代的王亥“肇牵车牛远服贾”，河南这片文明的沃土上就不断上演商业神话，特别是到清代的康百万家族，更是写下了“富过十二代、历经400年而不败”的不朽传奇。这块城市福地上，承载着辉煌的历史，也连接着华美的未来。“中国十字路口”、“中部新城”、“大中原经济区”……为未来注入了富饶、生态、自然的血脉，吹响区域腾飞的号角。

回眸过去，以任红军董事长为首的创业团队筚路蓝缕，经过坚持不懈的努力，持之以恒的奋斗，孜孜不倦的追求，始有今日之汉威。岁月雕刻，文化沉淀，激情和梦想在历史的陈酿中发酵。心有理想，春暖花开，尘埃伴随着曙光升腾，思维伴随着智慧前行！

The middle of the world, the fertile ground to make fortune, the core of Middle China and endowed with natural advantages

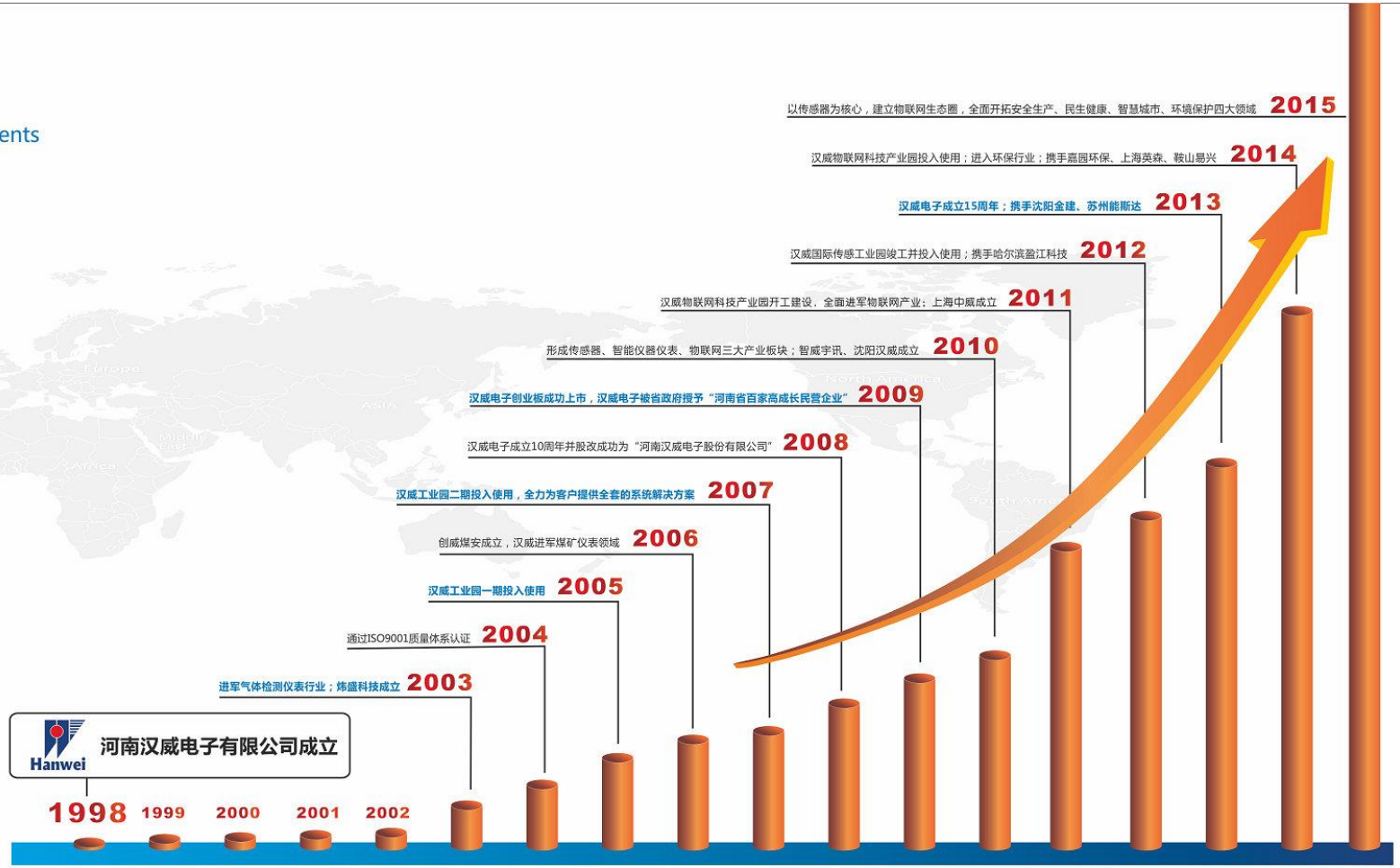
Located in Zhengzhou city, the capital of Henan province, Hanwei owns the nature advantage of commercial environment. Zhengzhou, the valuable land, is a national famous historical and cultural city ratified by the State Council. It was an important metropolis during the Shang dynasty as early as 3500 years ago. The long history and brilliant civilization have made Zhengzhou rich in humanistic scenery and business environment. In the future, " central of China", "Central plains economic zone" etc. will make Zhengzhou more attractive and energetic. Born in this city, Hanwei will achieve the rapid development and create maximum value for customers and success. If it's meant to be, it will be!

Achievements and Events

发展历程

缘起 攀登 成长
听商海潮起潮落
时势造英雄
磨砺出真彩
在汗水、艰辛、微笑、希望交融中
成长的阵痛有了价值
世界因汉威不懈奋斗而精彩

To climb, to learn and thus to grow!
Witness rise and down of the commercial wave!
The Age creates its hero
And hard life brings true brilliance
And the throes in growth,
Among the combination of perspiration, hardships,
smile and hopes Gains its value!
Our world becomes brilliant along with the
constant efforts of Hanwei Electronics!



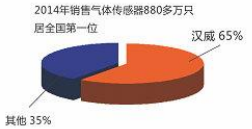
Business Capacity
经营能力

汉威电子注重“为客户创造价值”的发展战略，产品和系统解决方案已应用于全球近百个国家，建立了以传感器为核心，覆盖多门类检测仪表及行业物联网应用的整体布局；应用行业分布广泛，涵盖石油、化工、冶金、环保、采矿、电子、电力、制药、食品、医疗卫生、农业、燃气、市政工程、家庭安全与健康、公用场所、道路安全管理、污水处理、生物科学、航天航空、军事反恐等领域，用于防火防爆、环境检测、预防中毒、污染监测、环境治理、改善人居环境，为行业客户HSE管理体系的建立、工业、民用和个人安全防护提供适合、优质、高性价比的产品与方案。为环境检测与治理、健康家居生活，提供完善的解决方案和服务。

公司围绕在北京、上海、广州、深圳、郑州、西安、重庆、沈阳、石家庄、哈尔滨、鞍山、苏州、济南、南京、福州、乌鲁木齐等三十余个城市设立客户服务中心或分子公司，构建全面的网格化客户服务网络，为我们及时向客户提供技术领先、满足个性化需求的产品解决方案奠定了良好的基础。

Hanwei Electronics adhere to a development strategy of focusing on the professional market segment. Our products and solutions have been used in hundreds of countries and regions all around the world. We have established the whole layout of many categories of testing instruments and IOT applications with a core of sensor. Our products widely used in petroleum, chemical, metallurgy, environmental protection, mining, electronics, electricity, pharmaceutical, food, medical health, agriculture, gas, municipal engineering, home security and health, public areas, traffic safety management, sewage treatment, biological sciences, aerospace, military, anti-terrorism and other fields. Our products are used in fire and explosion protection, environmental monitoring, poisoning prevention, pollution monitoring, environmental management, improving the living environment. We provide the suitable, quality and cost-benefit products, service and solutions to our customers for their HSE management system, industrial, family and personal safety, environmental monitoring and management, healthy homes.

We have set up more than thirty customer service centers , branches and subsidiaries, covered in Beijing, Shanghai, Guangzhou, Shenzhen, Zhengzhou, Xi'an, Chongqing, Shenyang, Shijiazhuang, Harbin, Anshan, Suzhou, Jinan, Nanjing, Fuzhou, Urumchi, have built comprehensive gridding customer service network, to lay a good foundation for providing the solutions of leading technology and the individual needs.



我们的旗帜飘扬在黄河岸边！
我们的旗帜飘扬在世界各地！

Let our flag fly along the yellow river and all over the world!

国际合作 携手共赢

International Cooperation . Win Together

Proactive Service
主动服务

积跬步，以至千里；聚小流，以成江海

自公司实施主动式服务以来，我们的售后服务团队“想客户所想、急客户所急”，主动出击，积极策划并组织实施售后服务出行计划，驱驰数千公里上门为客户进行产品检测维修和售后服务指导、培训，为客户解决生产管理中的实际难题，真正践行了“为客户创造价值”的庄严承诺。截至目前，我们的售后服务团队足迹遍布大江南北，行程近50万公里，拜访客户数千家，组织现场培训数百场；他们热情的服务，娴熟的技巧，敬业的态度赢得客户的信任和赞许，在客户心目中树立了良好的企业形象！

服务电话：400-809-3007（中文）

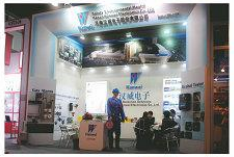
+86-371-67169080（英文）

Rome was not built in one day; great achievements come from every small effort!

Since we has implemented proactive service, our service team has been DOING WHAT CUSTOMER WANTS, THINKING WHAT CUSTOMER CARES. We plan and implement after-sale service actively, offer door-to-door service to test and repair products, do professional support and trainings for our customers. All the problems in the production have been solved, really realized our mission of creating customer value. So far, our footprints of service team all over the country, the total journey has over 500,000kms. We visited thousands of customers, organized hundreds of onsite training,and won the trust and praise of customers with warm service, great skill and dedicated attitude.

Service Hotline： 400-809-3007 (Chinese)
+86-371-67169080 (English)

Hanwei Image
形象展示



Industry Foundations
产业基础

汉威电子作为国内最早从事气体传感器及传感器技术研究的企业之一，涉及的技术领域涵盖纳米催化技术、功能材料、电子陶瓷、电子元器件、生物工程、有机高分子、光电气体分析等众多基础和应用学科，掌握了大量关于气体传感器材料、配方、生产工艺、型式设计等方面的专利技术，产品门类齐全，130余种不同规格的传感器可分别用于检测数十种可燃气体、毒性气体及其他气体，综合技术水平国内领先，部分传感器为国内独家生产。

Hanwei Electronics is one of the earliest companys engaged in the gas sensor and sensor technology research fields, the related technology covering Nano catalytic, functional materials, electronic ceramics, electronic components, biotechnology, organic polymers and many other fundamental and applied subjects; Hanwei has mastered lots of patent technologies about gas sensor materials, formula, productive technology, conformity design and so on. More than 130 different type of sensors were used to detect tens of combustible gas, toxic gas and other gases; With the world's leading comprehensive technical level, some sensors are exclusively produced in China.

汉威的核心技术还存在于：

智能仪器仪表 Intelligent instruments
行业物联网应用方案 IOT Solution
环保装备、业务运维 Environmental Equipment、Business operation and Maintenance System
数传设备RTU Special Data Transfer Equipment RTU
数据集成SCADA、GIS运用 Data Integration SCADA 、GIS Application
……

Products Series

产品系列

以传感器为核心的物联网，应用于各行业

汉威电子已形成“以传感器为核心、涵盖智能仪器仪表、云端技术、软件”的完整物联网产业生态圈。

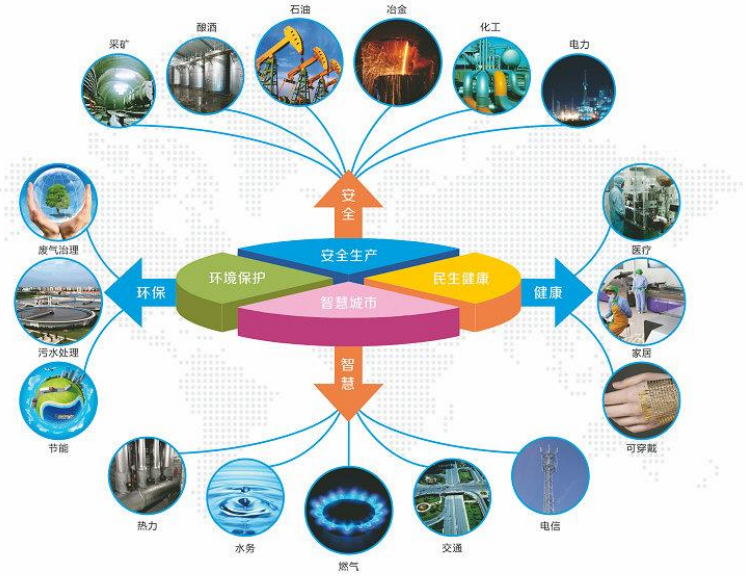
汉威电子拥有气体、压力、流量、湿度、热释电等多门类传感器及相关仪器仪表规模产业，已形成家庭、商用、个人防护、工业在线监测、环境分析、采矿安全等多用途传感、检测仪器和监控网络、安全生产、市政信息化管理系统及智能交通监控系统等多系列产品。汉威电子产品线丰富，产业链完整，产品和解决方案已应用于全球近百个国家。通过遍布全国的营销服务中心，为智慧市政、安全生产、环境保护、民生健康提供优质的产品和服务。

Hanwei Electronics has established the whole IOT industrial chain with the sensor as the core, covered intelligent instruments, cloud technology software.

Hanwei Electronics have many categories pyroelectricity environmental analysis intelligent transportation system of sensors, gas, pressure, flow, humidity, and instrument industry. We have many series products used in home, commercial, personal safety, industry online monitoring, mining safety, monitoring network, safety production, municipal informatization management system, monitoring. We have rich production line, orbicularindustry chain, apply to more than 100 countries all over the world.

Business Area

业务领域

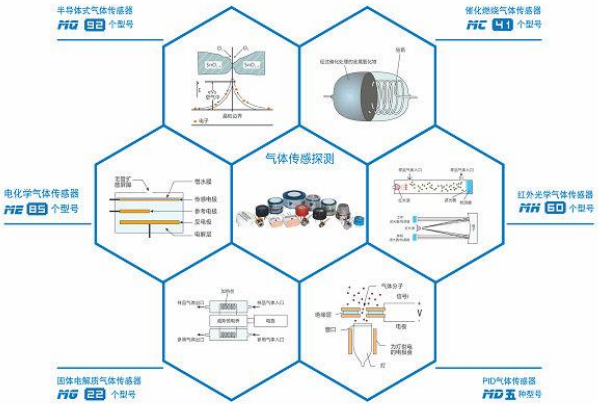


汉威电子产品和解决方案行业分布广泛，涵盖石油、化工、冶金、采矿、电子、电力、制药、食品、医疗卫生、农业、燃气、供排水、供暖、市政工程、家庭安全与健康、公用场所、废气治理、污水处理、生物科学、航天航空、军事反恐、道路安全管理等20余个行业领域。

Hanwei products and solutions covered more than 20 fields, petroleum ,chemical, metallurgy, mining, electronics, electricity, pharmaceutical, food, medical health, agriculture, gas, water supply and discharge,heating, municipal engineering, home security and health, public areas, waste gas treatment, sewage treatment, biological sciences, aerospace, military, anti-terrorism ,traffic safety management.

Industry · Sensor Technology

产业 · 传感技术



MEMS先进传感器

热释电传感器

湿度传感器

压力传感器

流量传感器

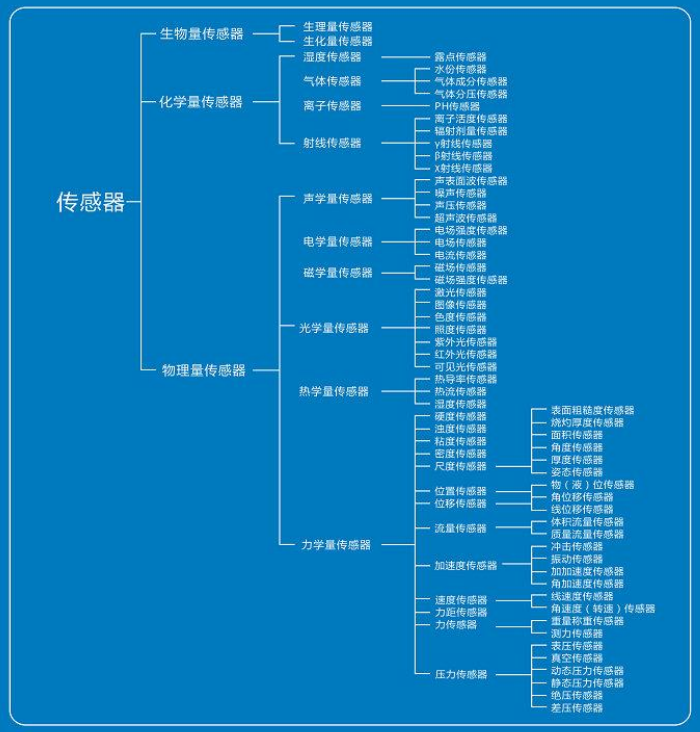
对于汉威电子来说，拥有自主知识产权以及传感器的核心技术，犹如基础之于大厦。作为业界的领军企业，汉威电子能够生产的主流气体传感器产品上百种，是国内唯一一家能够同时生产催化燃烧类、厚膜印刷半导体类、电化学类、红外光学（含激光）类等四大门类气体传感器的民族企业。基于气体传感器的技术优势和其他种类传感器的交叉应用，汉威电子在向光学量、机械量、热学量等传感器领域也研发、产业化了多种传感器。

Hanwei owns independent intellectual property rights and the core technology of sensors. As an industry leader, Hanwei manufactured hundreds of gas sensors, is only one of national enterprise which be able to produce catalytic, semiconductor, electrochemical, infrared(include laser) at the same time in china. Based on technical advantage of gas sensors and cross application of other sensors, Hanwei Electronics is also developing and manufacturing many kinds of sensors, such as optical sensors, mechanical sensors and thermal sensors.

物联天下，传感先行

Sensor Category Overview

传感器门类



感知一切的时代已经到来！

Industry · Intelligent Instruments、Executive Facilities

产业 · 智能仪表、执行设备

气体检测类全系列产品：Gas Detection Series:

工业检测、个人防护、商用检测及民用检测、矿用检测

Industrial online detection、Commercial and home detection、Detection in mine

压力流量物位等自动化仪表 Pressure, flow and level automatic instruments

环保检测类产品：Environmental Detection Series

环保口用的各类VOC检测及治理的系统解决方案、激光色谱仪 、质谱仪、城市垃圾渗滤液系统解决方案

VOC detection and environmental management solutions、Laser chromatograph、Mass spectrometer、Urban landfill percolate system solutions

智能家居类产品：Smart Home Series

空气电台Air Radio、A系（空气检测）、R 系（燃气安全）、E系（手机版）、C 系（控制系统）、S 系（烟雾）、H系（健康检测）

智能交通类产品 ：Intelligent Transportation Series

道路卡口监控系统、测速监控系统、车载测速监控系统、固定测速监控系统、移动测速监控系统、闯红灯自动记录系统、城市交通监控系统、酒精含量检测、警用型酒精含量检测

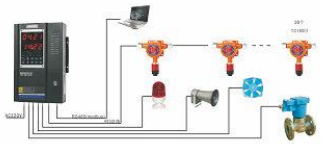
数据采集与集成（RTU & SCADA)、地理信息应用（GIS & LBS)

Data collection and Integration （RTU&SCADA）、Geographic Information Application(GIS&(LBS)

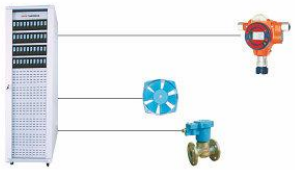
“汉威云”系统集成解决方案： Hanwei Cloud System Integration Solution

安全生产监管、智慧市政、智慧燃气、环境保护自动化、应急救援、视频指挥调度等系统产品及其全套解决方案

Work Safety Supervision 、Smart City、Smart Gas、Evironmental Protection Automation、Emergency Rescue、Energy Informatization、Video Monitoring and Controlling,etc



上图为气体控制系统组成图示，此图中的系统由1台KB6000Ⅱ控制器、最多30个点的485信号输出的气体探测器和负载组成。



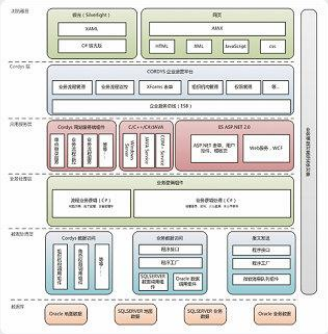
上图所示为KB2200Ⅱ气体智能监控系统的最小单位，可实现气体信号实时采集和系统对外设的实时控制，并通过上位机监控软件支持计算机远程监控。探测器把气体浓度信息传送给控制器，控制器接收处理并根据报警设定值去判断是否风机或关闭外设电磁阀，并发出声光报警。

Industry · Geographic Information System Solution

产业 · GIS平台解决方案

基于当今世界最先进的GIS平台与数据库系统，凭借雄厚的技术实力与丰富的行业经验，已推出具有自主知识产权的“燃气管网地理信息系统”、“供水管网地理信息系统”、“供热管网地理信息系统”“综合管网地理信息系统”、“环保地理信息系统”、“管网运维管理系统”等十余项国家专利软件产品，已广泛应用在沈阳、北京、南京、上海、广州、武汉、大连等数百个大中型企业。其中：燃气管网地理信息系统、供水、供热管网地理信息系统、综合管网地理信息系统经国家级专家鉴定委员会鉴定系统整体达到国内领先国际先进水平。以数字化城市为己任，全面跟踪世界GIS发展方向，始终站在数字科技前沿，为客户提供技术领先，应用便捷的数字城市全面解决方案。

Base on the world's most advanced GIS platform and database system, With strong technical strength and rich industry experience, we have introduced more than ten product s of country patent, such as gas GIS, water supply GIS, heating GIS, pipe network GIS, environmental GIS and network OMS all with self-owned intellectual property right. They are widely used in hundreds of cities, Shenyang, Beijing, Nanjing, Shanghai, Guangzhou, Wuhan, Dalian etc. Among of them, gas GIS, water and heating supply GIS, pipe network GIS have reached advanced international level which identified by national identification committee. City digitization as ours duty, we keep up with the development developing direction of GIS global, offer customers the perfect solution.



基于应用架构和数据架构，根据信息技术发展趋势结用户需求的软、硬件环境，从系统技术实现角度提出系统总体的技术实现方案。

基于ArcGIS的燃气、供水管网GIS平台解决方案

应用领域：Application Fields

城市地下管网设施、基础地理信息管理

City underground pipe network facilities, GIS management

方案特点：Solution features

GIS海量数据的管理 GIS massive data management

多用户应用环境 Multi-user Application Environment

C/S+B/S的GIS解决方案 C/S+B/S GIS Solution

支持长事务处理和版本控制

Support long transaction processing and version control

MIS应用与GIS应用集成

MIS Application and GIS Application Integration

属性数据远程更新 Attribute data remote update

燃气/供水管网地理信息系统解决方案架构图

系统界面展示

纵横天下，解析未来！

市政管网三维GIS解决方案

应用领域 Application Fields

大中型城市地下综合管网设施管理

Major cities integrated pipe network facilities management

方案特点：Solution features

采用Client/Server的解决方案；

Adopt Client/Server Solution

直接编辑RDBMS中的数据；Edit RDBMS data directly

支持长事务处理和版本管理；Support long transaction processing and version control

支持面向对象数据结构；Support object-oriented data structure

支持不同格式的空间数据转换；Support the switchover of different dataformat

具有数据查询统计； Data Query and statistics function

三维管网显示以及专业的管网分析；3D pipe network display and analyze

基于GIS的巡检系统解决方案

应用领域：Application Fields

燃气、供水、市政等管网设施巡查

Inspection Gas, water supply and Municipal pipe network facilities

方案特点：Solution features

巡检数据与GIS无缝集成； Inspection data and GIS Seamlessly Integrated

基于金建统一的地理信息共享平台；Base on Jinjian Unified Geographic Information Sharing Platform

自主研发的巡线设备集成气体检漏；Independent research and development Integrated gas leak detection for power line inspection tour facilities

强大的定位功能和历史轨迹查询功能；Powerful GPS and history tracing function

快速的泄露报警功能；Fast alarm of leakage

功能完备的业务报表模块；Complete business reports module

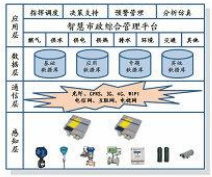
后台实现多用户分权限登录。Background Multi-user Login with Authority grades

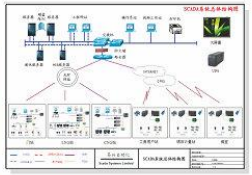
Industry · SCADA SYSTEM SOLUTIONS

产业 · SCADA系统解决方案

SCADA（数据采集与监控）系统是一个大型的集中管理、统一调度、分散控制的集散型分布式计算机网络监控系统，系统集成了计算机网络技术、计算机测控技术、数据通讯技术，系统一般由调度指挥中心计算机管理系统、生产厂站及远程站监控系统、数据通讯系统组成，PLC/RTU数据采集与远传系统实时采集生产场站及远程站的工艺运行数据，进行本地联锁控制，并通过光纤/GPRS/3G/4G等数据通讯网络上传到调度中心监控一体化平台，进行统一的数据存储、数据显示、数据统计与分析、能源购销计划管理、输差计算、模拟调度、辅助决策。SCADA系统在智慧城市、数字市政实现过程中起到关键作用，主要应用领域有智慧燃气、智慧供水、智慧供电、智慧供暖、智慧排水、智慧能源、智慧环境检测、智慧交通、智慧农业等方面。

SCADA (data acquisition & monitoring) system is a comprehensively distributed computer network monitoring system with centralized management, unified schedule, and decentralized control. The system is integrated with computer network technology, computer control technology, data communication technology. The system includes schedule and command center computer management system; production stations and remote monitoring system and data communication system. PLC/RTU data acquisition and Tele-transmission System collect the real time process data of production stations and remote stations, to achieve local chain control, and through Optical fiber/GPRS/3G/4G data communication technology, upload the data to the integration platform of the schedule and command center for the data storage, data presentation, data statistic analysis, planning management of energy procurement and sales, calculation of transmission difference, simulation schedule, decision assistant. SCADA system plays key roles in the realization of intelligent city, digital Municipal management, which can be applied in intelligent gas, intelligent water supply, intelligent electricity supply, intelligent heating supply, intelligent drainage system, intelligent energy, intelligent environment inspection, intelligent traffic, intelligent agriculture, etc.,

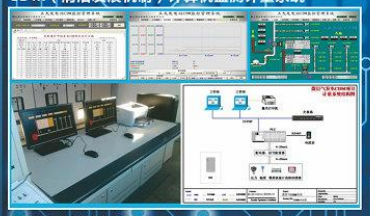




EXIN SCADA 组态软件

场站自控（DCS）系统

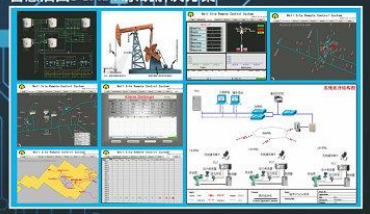
CDM（清洁发展机制）计算机监测计量系统



城市排水防涝SCADA系统

油库综合监管系统

智慧油田SCADA系统解决方案



Industry · Environmental Protection

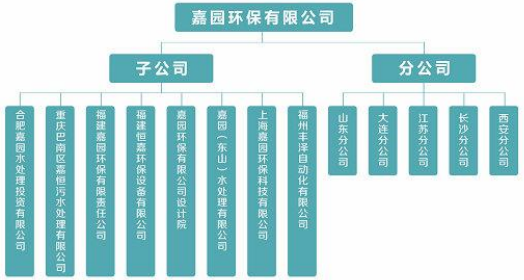
产业 · 环境保护

嘉园环保有限公司成立于1998年，是汉威电子旗下环境监测与治理专业化集团企业，国家环保产业骨干企业。主要从事环保工程设计、施工、运营，环保设备研发、生产、销售，并涉及环保技术咨询及环保软件开发业务。拥有40余项国家专利，企业知识产权体系完备。拥有国家环境工程（大气污染防治工程、水污染防治工程）专项甲级设计资质和国家环保设施运营（废气、废水）专项运营甲级资质，以及市政行业（给水工程、排水工程、环境卫生工程）专业乙级设计资质，环保工程专业承包二级资质、机电设备安装工程专业承包三级资质，并通过了ISO9001质量管理体系、ISO14001环境管理体系、OHSAS18000职业健康安全管理体系认证。

Established in 1998, Jiayuan Environmental Protection Ltd.,CO is a professional environmental measurement and improvement group company under Hanwei Electronics, and a key enterprise of national environmental improvement industry. Jiayuan specializes in design, engineering, operation of environmental protection projects, and environmental protection equipment and system software’s R&D, manufacturing and sales. Jiayuan has complete intellectual management system and more than 40 national patents, Class A design qualification of national environmental project (Air pollution prevention project, water pollution prevention project), Class A operation qualification of national environmental protection facility (waste gas, waste water), Class B design qualification of Municipal industry(water supply project, drainage project, environmental sanitation project), Class B contracting qualification of environmental protection project and Class C contracting qualification of mechanical and electrical equipment installation project. Jiayuan passed ISO9001 quality management system, ISO14001 environmental management system and OHSAS18000occupation health safety system.

嘉园环保有限公司下属七家全资子公司及若干分公司、办事处；公司已建成包括上海、北京、天津、青岛、大连、济南、长沙、合肥、深圳、合肥、成都、厦门等大中城市在内的强大的市场网络，业务遍及全国。业务模式包括工程总承包（EPC）、BT、BOT、BOO及委托设计、承包运营、技术咨询、设备销售等多元化模式。

Jiayuan has 7 fully owned subsidiaries and a number of branch offices. Rely on its strong market network covering Shanghai, Beijing, Tianjin, Qingdao, Dalian, Jinan, Changsha, Hefei, Shenzhen, Chengdu, Xiamen etc, Jiayuan’s business are all over the country and its business scope including EPC,BT,BOT,BOO and entrusted design, operation, technical consultant, equipment sales etc.,



“科技嘉园，环保家园”是嘉园人的追求目标，嘉园环保愿以一流的技术、一流的产品、一流的服务和雄厚的实力与各界朋友携手合作，共同为保护人类美好的环境而努力。

“Jiayuan Technology, Environmental friendly homes ” is the goal of Jiayuan People. Joining hands with all partners and customers, Jiayuan is willing to dedicate its first-class technology, products and service to a better environment of the human beings.

监测、治理、工程、服务一体化解决方案提供商

漳州市城市生活垃圾无害化综合处理场

光大环保能源（苏州）有限公司渗滤液提标改造工程项目

东山双东污水处理厂BOT项目

合肥市龙泉山生活垃圾处理场渗滤液处理工程项目

比亚迪股份有限公司废气处理现场

Industry · System Solutions

产业 · 系统解决方案

一、数字化燃气信息管理系统项目

Digital Gas Information Management System

建立以燃气各项核心业务为主线，以空间地理信息等基础数据为载体的信息化体系，形成数字燃气综合信息化管理平台，实现燃气主管部门的科学监管和燃气企业规范高效的管理、运营和服务。

二、智慧市政地下管网监管系统项目

Intelligent Underground Pipeline Monitoring System

建设基于GIS系统的地下管线综合平台，布局各种感知、监测设备，形成一个由点到面到云端智慧的监测监控网络，对于给水、排水、供暖、燃气、输油等管线全面监管，实现市政安全、环境污染、环境风险等方面的可知、可预、可控。

三、智慧城市市政物联网信息管理系统项目

Intelligent Municipal Management IOT System

对绿化、道路等市政基础设施及相关系统的多方面数据进行全方位的信息化处理和利用，形成市政系统数字网络化管理、服务与决策的信息体系，提升城市建设和管理的规范化、精准化及智能化水平，提升城市运行效率和公共服务水平，推动城市发展转型升级。

四、安全生产、应急救援综合信息管理平台项目

Security & Emergency Management System

项目满足政府、企业对九类重大危险源进行监督监管和应急救援指挥工作需求。

五、特种设备物联网监管平台

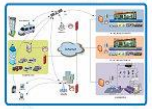
Special Equipment IOT Monitoring Platform

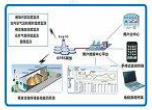
对电梯、锅炉、起重设备、游乐设施等特种设备用物联网技术进行全方位的信息化管理，提升特种设备管理的规范化、精准化及智能化水平。

六、数字化粮食仓储环境检测信息系统项目

Digital Food Warehouse Environment Measurement System

面向粮食存储的实际应用环境，对粮食保管过程中的环境气体进行实时监控，利用人工智能判定系统判断粮食存储环境状态的变化，并进行智能化调节，保障粮食品质，实现科学储粮。





感知与云平台、移动端全面互动

七、数字化油库综合监管信息平台项目

Digital Oil Depot Comprehensive Management Platform

通过平台的建设，改变以往军队或地方油库八大系统信息化建设中各个系统独立建设、部署分散、互不联通的局面，打破原有的各子系统割裂的状况，实现对油库全局业务的数字化集中监管。

八、农业物联网信息管理系统项目

Agricultural IOT Information Management System

针对农业物联网的应用领域，涵盖:种植、养殖、贮藏、冷链物流等行业，建成综合化农业物联网信息管理系统，提高生产效率和实现科学生产，促进农业生产的智能化管理和农业信息化、数字化。

九、智能交通综合管理平台项目

Intelligent Transportation Management Platform

针对现代交通领域的应用需求，建设智能交通综合管理平台，提升交通管理的智能化和信息化水平，实现城市交通管理的科学化和现代化。

十、智慧供水物联网平台项目

Intelligent Water Supply IOT Platform

建设基于地理信息、北斗定位与授时、传感器智能仪表节点一体化的城市自来水供应管理系统，实现自动抄表、监控管网关键节点，自动预测预警，建成高效、安全、绿色、低碳的智慧供水系统。

十一、智慧供热物联网平台项目

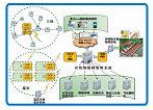
Intelligent Heating IOT Platform

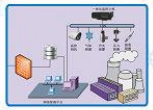
对城市供热系统及设备设施进行全面、动态化的管理，自动预测预警，建成高效、安全、绿色、低碳的智慧供热系统。

十二、分布式环境污染物监测物联网系统

Distributed Environmental Pollution Monitoring IOT System

建设基于GIS系统的污染物排放监测综合平台，布局各种大气、污水感知、监测设备，形成一个由点到面到云端智慧监测监控网络，对于大气污染物排放、污水排放、环境污染状态全面监测，重点监控，实现环境污染、环境风险等的实时可知、可预、可控。





万物互联（IOT）典型应用

R&D Innovation

拓新·道艺合一

自主创新，博采众长
Innovate Independently and Learn Widely

精诚团结，群策群力，上下一心，其力断金，以人为本
Cooperate with absolute sincerity and pool wisdom and efforts of everyone;
The combined forces of everyone pursuing for the same target will create great achievements! Each achievement is taking people oriented.

研发创新

R&D Innovation

研发与创新

生命上的起源，精神境界中的回溯，也是对一元复始的绝对跨度。
新，是摒弃传统窠臼的勇敢变革；
新，是打破习惯樊篱的昂扬姿态；
在进化的途中，总需新陈代谢。
对于一个企业，新，是于流年中接受洗礼，是于未来中朝觐初生。

在汉威
新，是我们行为上的破旧立新；
新，是我们产品中的舍旧谋新；
我们时刻不忘——温故而知新。
所有新知新制，只为让灵感之源万象更新。

It is the origin of life, the recall in spiritual shackles and also the absolute stride in the beginning of new age!
Innovation is the brave reform abandoning traditional protection;
Innovation is the high-spirited attitude breaking the habituated fence;
Metabolism is always required during evolution!
As for an enterprise, creating Innovation is to accept severe test in passing times and walking towards to newborn in the future!
In Hanwei:
Innovation refers to our destroy the old and establish the new in conduct;
Innovation is our abandon the old and search for the new in products;
We never forget our principle——to learn new by studying the old!
And all our new knowledge and new system are designed to bring fresh and new things to our Inspiration!

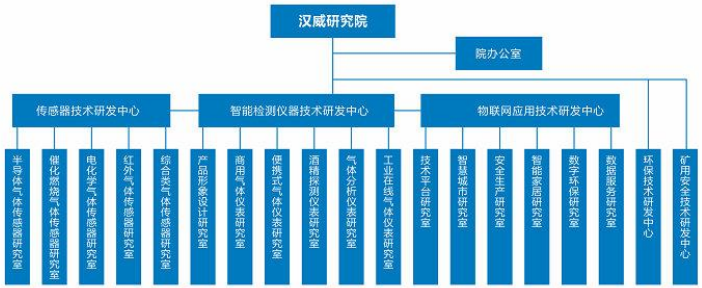
Worldwide R & D Resources
全球布局的研发资源

自主知识产权，拥有核心技术 >>>

Powerful R&D Ability Independent intellectual property right and core technology

汉威电子崇尚创新和改进，建设了以汉威研究院为核心，涵盖北京、上海、深圳国内研发中心和美国、德国、新加坡海外研发中心在内的全球研发创新体系，围绕传感器、智能仪表、地理信息、云计算、大数据、移动互联等物联网技术，水、气、固废净化治理技术，节能技术等方面全面创新，并在智慧城市、安全防护、测量控制、环境保护、家居健康舒适领域开展应用模式创新，为客户提供安全、可靠、经济、便捷的产品和服务。

Hanwei advocates innovation and improvement, established Global R&D Innovation System based on Hanwei R&D Institute, covered national R&D center in Beijing, Shanghai, Shenzhen and international abroad R&D center in America, Germany, Singapore. Innovate fully around the sensor, intelligent instrument, geographic information, cloud computing, big data, mobile internet IOT technology, water, gas and solid waste purification treatment technology, energy-saving technology. Application mode for innovation in intelligent city, safety protection, environmental protection, measurement control, environmental protection and healthy living fields.To provide safe, reliable, low cost, convenient, products and service.



R&D Fields
研究领域

- ▶ 半导体原理气体传感器 Semi-conductor gas sensor
- ▶ 催化燃烧原理气体传感器 Catalytic gas sensor
- ▶ 电化学原理气体传感器 Electro-chemical gas sensor
- ▶ NDIR气体传感器 NDIR gas sensor
- ▶ 激光原理气体传感器 Laser gas sensor
- ▶ 基于MEMS原理的气体传感器 MEMS gas sensor
- ▶ 工业在线气体检测仪器仪表
  Industrial online detection instrument
- ▶ 家用气体报警器 Domestic gas alarm
- ▶ 商用气体探测器 Commercial gas detector
- ▶ 酒精含量检测仪 Alcohol tester
- ▶ 气体分析仪器 Gas analyzer
- ▶ 个人防护类气体检测仪器仪表 Personal protection gas detection instrument
- ▶ 矿业安全类仪器仪表 Mining safety instrument
- ▶ 工业进程测量控制仪器 Industrial process detection and control instrument
- ▶ 地理信息技术(GIS)的研发与应用 GIS R&D and application
- ▶ 公用事业领域的数据采集和监控系统
  Public affairs data acquisition and monitoring system
- ▶ 环保、监测、治理、工程、服务整体解决方案
  Complete solution of environmental protection, monitoring, improvement, engineering, service.
- ▶ 智能仪器仪表系统集成及行业物联网应用
  Intelligent instrument system & industrial IOT application

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科研成果

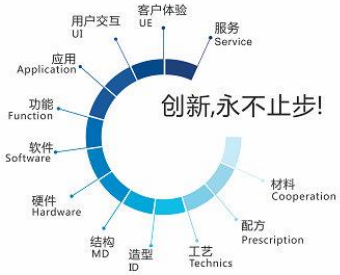
至2015年1月，汉威电子现已申请国家专利238项，发明专利44项，注册计算机软件著作权45项，商标39项，产品通过科技成果鉴定35项，其中14项达到国际先进水平，21项达到国内领先水平。公司是全国工业过程测量和控制标准化技术委员会分析仪器分技术委员会（SAC/TC124/SC6）和全国工业过程测量和控制标准化技术委员会控制仪表及装置、工业控制计算机系统分技术委员会（SAC/TC124/SC2）的会员单位。公司还积极参与国家、行业和企业标准制订工作，先后参与制订燃气、消防国家标准6项，是全国防爆电气设备标准化技术委员会、全国信息技术标准化技术委员会传感器网络工作组成员。

Until January, 2015,Hanwei had applied 238 national patents and 44 invention patents; registered 45 software's copyrights, 39 brand names, 35 identifications of scientific and technological achievements, in which 14 had been recognized as international leading level and 21 national leading level. Hanwei is the membership company of National Standardization Administration of the People's Republic of China (SAC) Industrial Process Measurement and Control Committee Analyze Instrument Sub-committee (SAC/TC124/SC6) and National Standardization Administration of the People's Republic of China (SAC) Industrial Process Measurement and Control Committee Control Instrument and Industrial computer control system Sub-committee (SAC/TC124/SC2). Hanwei actively participated in the formulation of the national standard, industry standard, company standards, including 6 standards of gas industry, fire industry; Hanwei is the member of National Explosion Protected Electrical Products Standardization Committee and National Information Technological Standardization Committee Sensor Network Working group.

Exchange & Cooperation
交流合作

多年来，技术中心始终坚持团结协作、共同发展、诚信至上的合作理念，大力推进产学研合作开发力度，其模式已成功实现了由最初的短期、单一技术转让型向合作开发、人才培训、共建研发实体等多种合作模式并举的转型。“优势互补，互利互惠”的产学研合作机制促进了公司科学技术水平的快速提高，同时也推动了国内科研院所和高等院校科技成果的产业化进程，建立了全面互动的科技创新生态圈。

Over the years, Hanwei R&D center adheres the philosophy of teamwork, mutual development and integrity, promotes the cooperative development in product R&D. The initial short term, single technology transfer had been developed to cooperative development, personnel training and establishes mutual R&D entity. The "Mutual benefit and advantage" cooperative mechanism facilitated the scientific and technological level of the company, and promoted the industrialization of domestic institutes and colleges, established a fully interactive technological innovation ecosystem.ost, convenient, accurate, reliable products and solutions.



合作院校

清华大学
中国科学技术大学
西安交通大学
吉林大学
北京理工大学
北京航空航天大学
上海大学
武汉理工大学
郑州大学
河南工业大学
中国科学院苏州纳米技术与纳米仿生研究所
中国科学院长春应用化学研究所
中国科学院上海硅酸盐研究所
中国科学院新疆理化技术研究所
中国科学院上海微系统与信息技术研究所
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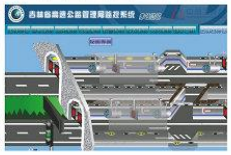
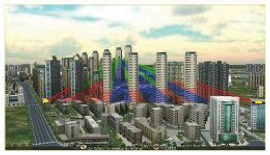
Total Quality Control

质量管理与控制





汉威电子自成立以来，一直遵循质量第一的原则，公司从上至下都坚持每个环节、每个工序严格要求，力争为客户提供优质、高效的产品及解决方案，确保产品和服务满足并超越客户的需求。

自2003年公司导入ISO9001质量管理体系，始终坚持八项原则，采用PDCA的改进方法，促使公司的管理水平及产品质量不断得到提升。

公司对产品精益求精，从硬件产品到软件产品，以及系统集成产品，从产品的研发、生产到施工、交付，始终坚持“以顾客及社会各方为关注焦点”。

2011年公司导入ISO14001环境管理体系、ISO18001职业健康安全管理体系，在提升产品质量的同时，关注社会环境，节约资源，确保员工健康安全。创造安全、环保、健康、智慧的工作和生活环境，真正实现为企业求长远，为社会求和谐，为民族求复兴。

Since its establishment, Hanwei followed the principle of quality first. Strict quality control policy had been implemented in every steps of the production and every levels of the management. Hanwei determines to provide products and solutions with high quality and efficiency, and to make sure the supply and the service are beyond the satisfaction of the customers.

Since passed the ISO90001 in 2003, Hanwei always implement the 8 principles, adopt PDCA method to improve the management level and product quality.

Hanwei refines on production which including instrument, software, integrated system; adheres customer oriented policy from R&D, manufacturing, engineering and delivery.

Hanwei introduced ISO14001 Environment Management System, ISO 18001 Occupation Health Safety Management System. Besides the quality improvement, Hanwei dedicated to improve the environment, save the resources, and ensure the health and safety of the staffs, promise a safe, environmental friendly, healthy and intelligent working and living environment, and achieve the sustainable development of the company, harmony of the society and the revival of the nation.

质量方针：优质、诚信、创新、高效

优质---为客户提供优质产品和优质服务

诚信---以诚待人，以信服人

创新---以顾客为关注焦点，采用新技术，创造新产品

高效---目标一致，雷厉风行

环境、职业健康安全管理方针：安全、环保、健康

安全---在生产、经营过程中不断应用和创新先进安全技术，减少和避免伤害，以人为本，彰显生命价值。

环保---保护环境，节约资源，在发展中树立良好的社会形象。

健康---确保职工健康安全，建立科学合理的管理制度，不断地进行持续改进。

Bright Future

伟业·行道之柔

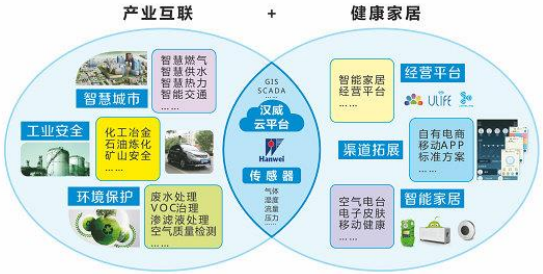
大鹏展翅，天公比高
Show talents fully and compete in the wide world

博者通天，海纳百川，兼收并蓄，科技创新，宏图伟业。
The learned and the skillful can create significant achievements.An open mind can embrace all different opinions; Incorporate things of diverse natures Science and technology brings innovation Grand prospects and great causes

未来发展

Development and Strategy

发展与构想



产品 + 运维 + 服务 → 经营平台

展望未来，机遇与挑战并存，任重而道远。汉威电子将以“创造安全、环保、健康、智慧的工作和生活环境”为使命，为客户求价值、为员工求富足、为企业求长远、为社会求和谐，以“尽责、创新、快乐”的企业文化为统领，有机结合技术、市场、人才，以持续的市场开拓为引导、技术创新为支撑、资本运作和队伍建设为保障，把握新兴战略性产业革命历史机遇，围绕物联网产业，将感知传感器、智能终端、通讯技术、云计算和地理信息等物联网技术紧密结合，建立完整的物联网生态圈，以客户价值为导向，为智慧市政、安全生产、环境保护、民生健康提供完善的解决方案，打造“民族的汉威、世界的汉威”。

Looking forward to the future opportunities and challenges, there still have much to be done. Hanwei will always work for the mission to promise a Safe, Environmental friendly, Healthy and Intelligent working and living environment; to keep the company culture of “responsible, innovative and cheerful”; to integrate technology, market and human resources; to keep market development, technology innovation, capital operation and team development; to take the new strategic industrial opportunity; to integrate sensor, intelligent instrument, tele-communication, cloud calculation and GIS technology in the IOT industry; to establish complete ecological IOT ecosystem; to provide customer value guided solutions for intelligent city, safe production, environmental protection and health of the people's livelihood. We will become the National Hanwei and International Hanwei.

○ 汉威国际传感科技园

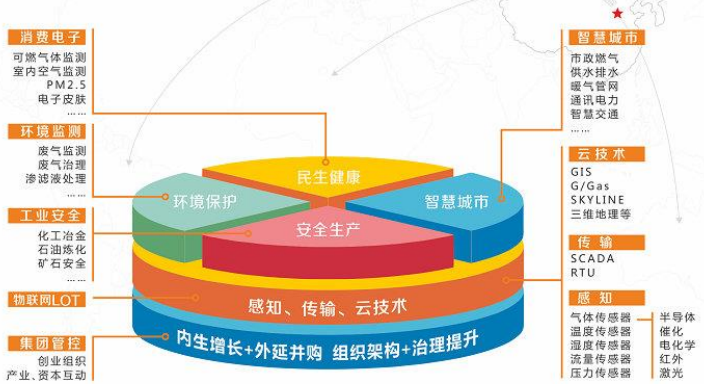
○ 汉威智能仪器科技产业园

○ 汉威物联网科技产业园

○ 福州环保科技产业园

IOT系统解决方案提供商、服务商

Strategic Planning
战略构想



万物互联的时代已经到来，汉威电子作为国内物联网领先企业之一，将紧抓新兴战略性产业革命历史机遇，建设“汉威国际传感器科技园”，“汉威物联科技产业园”，以“传感器、智能仪器仪表、行业应用的物联网”为技术平台、沿智慧城市、安全生产、环境保护、民生健康四大方向构建产业集团，实现汉威新的跨越。

The IOT era comes, Hanwei, as one of the leading IOT company in this field in China, will take good use of current great opportunities to build "Hanwei International Sensor Science Park" and "Hanwei IOT Science Park", to build industrial groups in sensor, intelligent instrument, industrial IOT, intelligent city, safe production, environmental protection and health of the people's livelihood four directions for our new great-leap-forward development.

产业与资本互动，创新伴梦想同行！

International Hanwei
国际化的汉威

十余年来，汉威为全球近百个国家和地区提供产品与服务，遍布六大洲的营销服务网点和国际化布局的研发体系，将支撑汉威汇聚全球资源，以“中国动力”牵引，全面拓展全球业务。

For more than a decade, Hanwei provide products and sevice to nearly a hundred of countries and regions in global. Hanwei converged the global resource, take that Chinese Power as traction, fully develop the global business, supported by sales and service centers which has spread six continents and international layout of R&D system.

Core Values

经世·持道之性

经世基业，厚德载物

To manage the business should carry the social commitment

王者商道，大道之行，讲信修睦，商海徜徉，博采众长。

The best approach to business is to Implement morality, to hold good faith in mind and thus create harmonious relationship. To travel in business world need to learn merits from others.

核心价值观

Company culture
企业文化

我们致力于营造一个亲和润泽、有情感的大家庭，关注人性，以创业者为本，以价值创造为本，让每一个汉威人互相学习、互相欣赏、彼此信任、团结协作、共同发展、事业有所成就、物质生活持续改善。

Hanwei people to learn from each other, admire each other and trust each other; we ask every Hanwei people to work in a team, to develop in a team and to achieve in a team for a continuous living standard improvement.

汉威愿景：

以传感器为核心，领先的物联网解决方案提供商

汉威使命：

创造安全、环保、健康、智慧的工作、生活环境；
为客户求价值，为员工求富足，为股东求回报，
为企业求长远，为社会求和谐，为民族求复兴。

核心价值观：尽责、创新、快乐。

Hanwei Vision:

Based on sensor technology, to be the leading IOT company

Hanwei Mission:

Promise a Safe, Environmental friendly, Healthy and intelligent working and living environment;

Provide value for customers, offer wealth for staffs, gain profits for shareholders, strive future for company, seek harmony for society and dedicate to our national revival.

Hanwei Value: Responsible ,Innovative, Cheerful

Approvals

企业资质

Honors

企业荣誉

Leadership Care

领导关怀

Hanwei People

员工风采

天道酬勤

昨日千帆逐浪，试问浩瀚商海，谁主沉浮？
今朝百舸争流，纵然惊涛骇浪，我心永恒！

Sailing with thousands of boats yesterday, who could be the leading navigator?
Heading with hundreds of ships today, full of terrifying
waves, we are firm and will go on and on!