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China Testing & Certification International Group Co.,Ltd.



中国国检测试控股集团股份有限公司

检验认证 让生活更美好

Testing and Certification Make Life Better



应运而生 与时共进

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我们的服务 Our Service

服务优势 Service Advantages

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合作伙伴 Cooperative Partners



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科技创新 Scientific and Technological Innovation

荣誉成就 Awards

人才团队 Personnel



凝心聚力 初心践行

文化篇

践行企业理念 Practice Corporate Philosophy

加强党建引领 Strengthen Party Building and Guidance

履行社会责任 Fulfill Social Responsibility

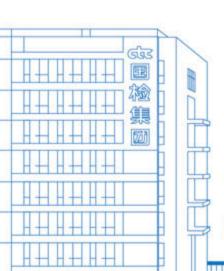


价值引领 行稳致远

展望篇

展望未来 Look Forward to the Future





检验认证 让生活更美好

Testing and Certification Make Life Better



我们一路披荆斩棘 从筚路蓝缕中走来 70余载坚定不移 在检验认证道路上砥砺前行 70余载与时俱进 在顺应时代需求中开拓创新 将自身发展置身于国家发展的宏观环境当中 把企业未来融入社会前进的大潮之中 为国家质量基础建设、经济发展、社会进步做出应有贡献

Started in the 1950s

We have fought our way through hardships
overcoming all obstacles
be steadfast for more than 70 years

Forge ahead on the road of testing and certification

Advance with the times for more than 70 years

Explore and innovate in keeping with the needs of the times

Place our own development in the macro environment of national development
Integrate the future of the enterprise into the tide of social progress

Make due contributions to the quality infrastructure construction, economic development, and social progress of the country

应运而生与时共进

概况篇

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これ 国 極集団 集团简介 **Group Profile**

70⁺

50。*

30÷

1,400,000。

China Testing & Certification International Group Co., Ltd. (CTC, Stock Code 603060) originated from the testing and certification business of China Building Materials Academy in the 1950s. After 70 years of unremitting efforts and persistent pursuit, the company has formed five business categories: detection and testing, certification and evaluation, testing instruments and intelligent manufacturing, measurement and calibration, scientific research and technical services, committed to providing customers with technical services and comprehensive solutions of detection and testing, certification and evaluation, appraisal, consultation, training, and instruments and equipment in

fields of quality, environmental protection, green, safety, health, and energy conservation.

Headquartered in Beijing, CTC more than 59 bodies and 34 national and industrial product quality testing centers In more than 20 and municipalities directly under the central government, with more than 5,900 outstanding employees. Its service scope covers the design, R&D, production, use, logistics and consumption of building materials and construction engineering, environment, intelligent manufacturing, rail transit, medicine and health, food and agricultural products, cosmetics and daily chemicals, geology and mineral industries. CTC adheres to innovative development. In recent years,

中国国检测试控股集团股份有限公司

中国国检测试控股集团股份有限公司(股票简称"国检集团", 英文简称CTC,股票代码603060)起源于20世纪50年代中国 建材总院检验认证业务板块,经过70载不懈努力与执着追求, 形成检验检测、认证评价、检测仪器及智能制造、计量校准、科 研及技术服务五大业务平台,致力于为客户提供质量、环保、 绿色、安全、健康、节能等领域的检验检测、认证评价、鉴定、咨 询、培训、仪器装备等技术服务及综合性解决方案。

国检集团总部位于北京,在全国设有59余个法人机构、34个国家及行业产品质检中心,拥有5900余名优秀员工,服务范围覆盖建筑材料与建设工程、环境、智能制造、轨道交通、医学健康、食品及农产品、化妆品及日化用品、地质矿产等行业的设计、研发、生产、使用、物流、消费各个环节。

国检集团坚持创新发展,近年来累计完成与在研省部级以上科研项目200余项;主持发布与在研ISO、IEC国际标准16项,国家、行业、地方及团体标准700余项;取得授权知识产权1800余项;积极践行央企责任与担当,成为奥运工程、上合峰会、APEC会议、金砖会议等国家重点工程唯一环境质量控制服务商;服务国家"双碳"目标,为全国20余个省市,近3000家企业提供技术服务。

未来,国检集团将秉承"公正为本、服务社会"的核心理念,以 建设世界一流综合型检验认证机构、打造检测认证服务的"中 国品牌"为目标,持续推动高质量发展,为"质量强国"、建设美 好生活贡献国检力量!

3,000。

16。

700分

1,800,⁺

时间截止至2023年12月

the group has completed or is studying more than 200 scientific research projects of provincial and ministerial level; presided over the publication and research of 16 ISO, IEC international standards, more than 700 national, industry, local and group standards; and has been authorized with more than 1,800 intellectual property rights. It actively practices its responsibilities as a central government-owned enterprise, and has become the only environmental quality control service provider for key national projects such as the Olympic project, the SCO Summit, the APEC Meeting and

the BRICS Meeting. It also serves the "dual carbon" target of China, providing technical services for nearly 3,000 enterprises in more than 20 provinces and cities.

In the future, CTC will uphold the core philosophy of "justice oriented and serve the society", and strive to build itself into a world-class comprehensive testing and certification organization and construct a "Chinese brand" of testing and certification services, so as to promote high-quality development constantly, and contribute to building a "country of quality" and the construction of a better life!

ctc 国松集团

发展历程 **Development** History

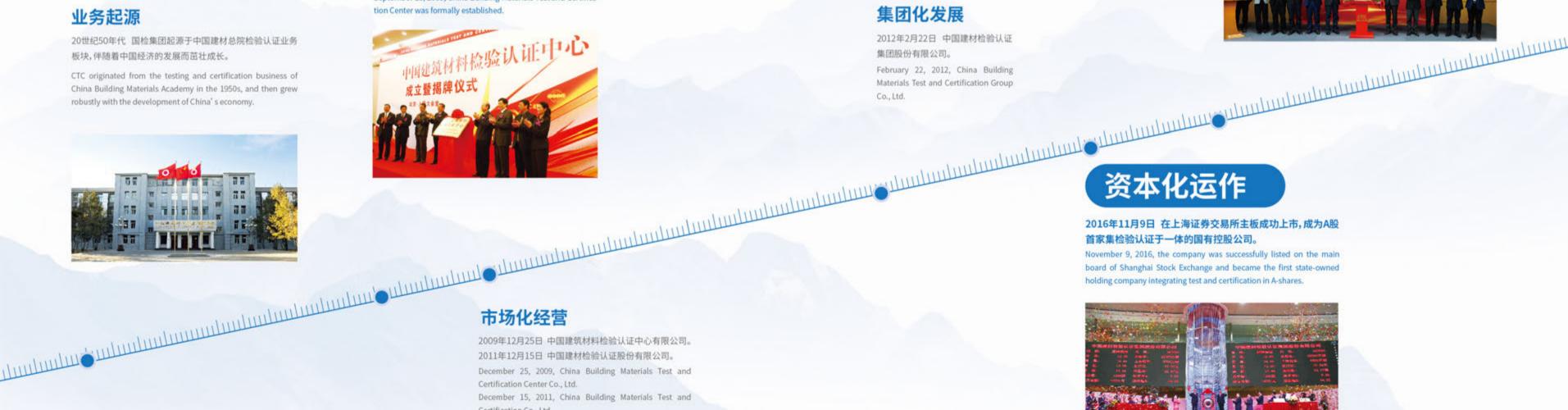
业务起源



企业化运作

2005年9月15日 中国建筑材料检验认证中心正式成立。

September 15, 2005, China Building Materials Test and Certification Center was formally established.



集团化发展

迈入新征程

2021年11月8日 公司名称变更为"中国国检测试控股集团股份 有限公司",在着力构建"四全"生态型业务架构战略上全新起航。

November 8, 2021, the company changed its name to "China Testing & Certification International Group Co., Ltd.", and set sail on the strategy of building the "Four-whole" ecological business structure.





December 15, 2011, China Building Materials Test and Certification Co., Ltd.

发展战略

Development Strategy

战略愿景 Strategic Vision

建设成为国内领先并在国际上具有广泛知名度、 美誉度和较强市场竞争力的第三方检验认证集团。

The company will build it into a leading third-party testing and certification group with wide popularity, reputation and strong market competitiveness in China and the world.

战略路径 Strategic Path



围绕跨地域发展战略,已初步完成全国布局,服务足迹遍布东 北、华北、华东、华中、华南、西北、西南7大地区20余个省市。各 分支机构可充分利用总部的研发和技术优势,结合自身的渠道 优势,发挥协同效应,为公司的全国性客户提供便捷服务。

Centering on the cross-region development strategy, the company has initially completed the national layout, with service covering more than 20 provinces and cities in seven regions of Northeast China, North China, East China, Central China, South China, Northwest and Southwest China, Each branch can make full use of the R&D and technology advantages of the headquarters, to combine with its own channel advantages and play a synergistic effect, so as to provide convenient services for customers across the country.





跨领域整合 Cross-domain Integration

立足建材与建工主业,相继进军环保与安全、汽车与零部件、通用消 费品、健康与生命科学、食品与农产品、仪器设备研发生产销售、计量 校准等领域,全面推动公司多元化发展。

Based on the main business of building materials and construction, the company has entered the fields of environmental protection and safety, automobile and parts, general consumer goods, health and life sciences, food and agricultural products, R&D, production and sales of instruments and equipment, and measurement and calibration, comprehensively promoting the diversified development of the company.





安全













食品与农产品



研发生产销售











唯有全心全意、臻于至善才能不负所托 国检集团秉承"公正为本、服务社会"的核心理念 着力打造"四全"生态型业务架构 坚持以高起点站位、高标准引领和高水平管理 为社会提供高质量服务

Provide service heart and soul, strive to be perfect
CTC upholds the core philosophy of "justice oriented and serve the society"
Strive to Build the "Four-whole" Ecological Business Structure
Adhere to high standing understanding, high standards of guidance and high-level management
Provide high-quality services to the society

服务为本 臻于至善

服务篇

"四全"架构 "Four-whole" Business Structure

我们的服务 Our Service

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ctc 国检集团

检验认证 让生活更美好 / 11 12

完善检测、认证、咨询(解决方案)、管家

服务、培训、仪器装备等多品类服务手

We will improve various service means for

testing, certification, consultation (solutions),

housekeeping services, training, instruments

and equipment, to enhance service

段,提升服务竞争力。

competitiveness.

The Whole Service Means

"四全"生态型业务架构

"Four-whole" Ecological Business Structure



国检集团一直在积极探索传统检验检测服务与其业务平台的交叉融合,整合资源, 深度挖掘产业链上下游延伸业务,构建"全产品线、全产业链、全服务维度、全服务手 段"的"四全"生态型业务架构,致力于为客户提供"一站式"及"1+X"服务。

CTC has been actively exploring the cross-integration of traditional detection and testing services and its business platform, to integrate resources, and mine the upstream and downstream extension business of industry chain, so as to build a "Four-whole" ecological business structure of "whole product line, whole industry chain, whole service dimension, and whole service means", committed to providing customers with "one-stop" and "1 + X" service.

在建材、建工、环境基础上,继续打造食品、 计量校准、仪器装备服务产品线,坚决向综 合性机构迈进。

The Whole Product Line

Based on the main business of building materials, we continue to build product lines in fields of food, measurement and calibration, instrument and equipment service, and resolutely stride forward to build itself into a comprehensive organization.

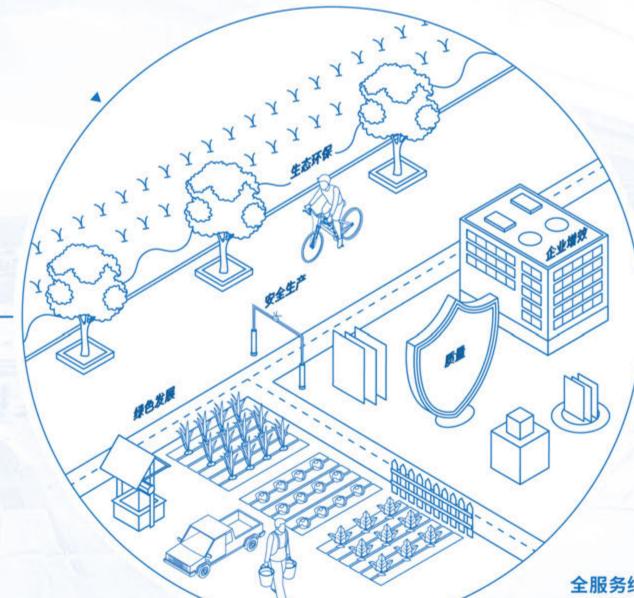


全产业链

以设计、研发、生产、使用、物流、消费各 环节涉及的主体作为服务对象,构建服 务能力。

The Whole Industry Chain

We will foster service capacity to serve the main bodies involved in the links of design, R&D, production, use, logistics and consumption.



全服务维度

以质量、安全、环保、绿色发展、企业增效 等多视角形成服务能力,建立一站式服

The Whole Service Dimension

We will build service capability from multiple perspectives such as quality, safety, environmental protection, green development and enterprise efficiency enhancement, to establish a one-stop service mode.



我们的服务

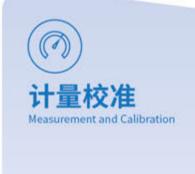
Our Service













服务优势 Service Advantages



CCE国检集团

建筑材料微生物检测 让家居生活更安心

Microbial testing of building materials makes home life more secure



Detection and Testing Business

业务

检验检测业务是国检集团的核心业务之一,主要包括材料检测、工程检测、环境检测、食品农产品检测等细分领域,几乎涵盖建筑材料及构配件和建筑装饰装修材料、建设工程质量、室内外环境监测的全部项目,凭借强大的技术实力、权威的市场公信力、高效的服务质量、规范的管理模式,在检验检测领域树立了较高的品牌知名度和美誉度。

Detection and testing business is one of the core businesses of CTC, mainly including the segmentations of material testing, engineering testing, environmental testing, and food and agricultural products testing, covering almost all the items of building materials and components, decoration materials, construction engineering quality, and indoor and outdoor environment monitoring. With strong technical strength, authoritative market credibility, efficient service quality, standardized management mode, the group has established a high brand awareness and reputation in the field of detection and testing.









材料检测 Material Testing

国检集团在材料检测领域技术力量雄 厚,检测产品种类齐全,具有较强的竞争 优势。

服务范围包括工程材料及构件、装饰装修材料、水泥及原燃材料、玻璃材料、光 伏组件/材料/部件及系统、工业窑炉材料、无机非金属原料、耐火材料等各类材料的检验检测服务。 With strong technical strength in the field of material testing and a complete range of testing products, CTC enjoys a strong competitive advantage.

The service scope includes testing services for various materials, including engineering materials and components, decoration materials, cement and primary combustion materials, glass materials, photovoltaic modules/materials/components and systems, industrial furnace materials, inorganic non-metallic raw materials, and refractory materials.





工程检测

Engineering Testing

工程检测是国检集团又一重要传统板块,主要开展建筑结构、地基基础、桥梁 隧道、绿色建筑、建筑节能、建筑消防、建筑智能等工程质量检验检测、司法鉴 定等服务,具有设备和技术领先优势,其中部分检测项目具有行业/区域唯一 性。检测业务覆盖北京、上海、河北、陕西、贵州、云南、新疆、安徽、海南、广东 等省市。 Engineering testing is another important traditional business of CTC, which mainly refers to engineering quality testing and judicial appraisal for building structure, foundation, bridge and tunnel, green building, building energy saving, building fire protection, and building intelligence. With leading advantages in equipment and technology, some of the testing items are of industry/region uniqueness. The testing service covers Beijing, Shanghai, Hebei, Shaanxi, Guizhou, Yunnan, Xinjiang, Anhui, Hainan, and Guangdong.

环境检测

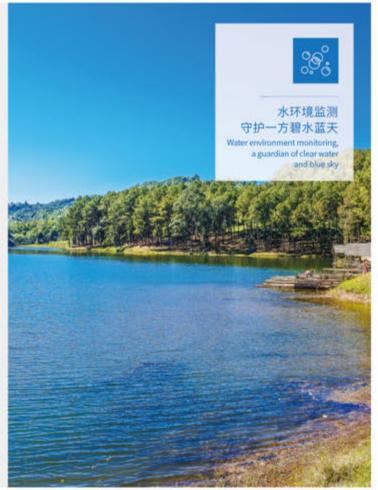
Environment Testing

国检集团环境检测聚焦环境检验检测技术、环保咨询与综合服务、在线监测仪器与装备、生态环境标准物质和标准样品研发生产等业务板块,可开展环境监测、水生态与水环境、海洋环境、辐射与噪音、大气、土壤、在线监测仪器与智慧环保、设备租赁与走航监测、环境与健康安全、环境损害司法鉴定、清洁生产、环保管家及标准物质研发销售等综合服务,形成了覆盖全国18个省市自治区的服务网络。

先后承担了国控断面地表水采测分离、全国第二次污染源普查、上合峰会 水源地生活饮用水保障等多个国家项目,获得中国环境监测总站、中国环 境科学院、各省生态环境监测等政府部门的好评表彰。

The environment testing of CTC focuses on segments of environmental detection and testing technology, environmental protection consulting and comprehensive services, online monitoring instruments and equipment, R&D and production of ecological environmental reference materials and standard samples. It carries out comprehensive services in environmental monitoring, water ecology and water environment, marine environment, radiation and noise, atmosphere, soil, online monitoring instruments and smart environmental protection, equipment rental and navigation monitoring, environment and health and safety, environmental damage judicial identification, cleaner production, environmental management and standard material R&D and sales, forming a service network covering 18 provinces, municipalities and autonomous regions.

It has undertaken several national projects, such as the extraction, measurement and separation of surface water at state-controlled sections, the second national survey of pollution sources, and the guarantee of drinking water for the water source of the SCO Summit, and has been praised and recognized by China National Environmental Monitoring Centre, Chinese Research Academy of Environmental Sciences, and various provincial ecological environment monitoring departments.







食品农产品检测

Food and Agricultural Products Testing

国检集团始终探索、挖掘食农检测产业链上下游延伸业 务,致力于将设计、研发、生产、销售、监管、消费等各环节 主体作为服务对象,推出了问题诊断、质控方案编制、检验 检测、体系和产品认证、区域风险评估等食农产品全链条 品质管理服务。

未来,我们将按照"食农检测专家"的发展愿景,运用创新精神与创新能力,深入理解与把握食农生产企业需求所在,通过高附加值、高水平的技术服务,使客户获得超出预期的服务体验。

CTC has always been exploring and mining the upstream and downstream extended business of the food and agricultural products testing industry chain, committed to serving the main bodies involved in links of design, R&D, production, use, logistics and consumption, and has launched whole-chain quality management services for food and agricultural products, such as problem diagnosis, quality control plan preparation, detection and testing, system and product certification, and regional risk assessment.

In the future, we will follow the development vision of "food and agricultural products testing experts", to understand and grasp the needs of food and agricultural products enterprises with innovative spirit and ability, so as to provide customers with high added value and high level of technical service experience beyond expectations.



Certification and Evaluation Business 依托多年来的持续深耕和开拓创新,国检集团在认证评价领域具有较高认知度和影响力。作为国内 率先从事温室气体排放领域工作的第三方机构和工业节能与绿色发展评价中心,国检集团围绕国 家碳达峰与碳中和、节能减排等绿色发展需求,建立了一站式集成服务。

Relying on years of continuous development and innovation, CTC has gained a high degree of recognition and influence in the field of certification and evaluation. As China's pioneering third-party for GHG emission accounting/reduction and evaluation center for industrial energy conservation and green development, CTC has established a one-stop integrated service, focusing on the national green development needs such as carbon peak and carbon neutrality, energy conservation and emission reduction.



应对气候变化服务

Services to Tackle Climate Change

国检集团始终坚持以服务国家战略和城市发展为己任, 致力于开展节能低碳工作,先后承担了低碳领域碳排放 核算、核查及碳交易市场的国家及试点省市课题研究, 编制了十余项国家及行业碳排放核算核查标准,完成了 20多个省市碳排放核查抽查工作,服务企业近3000家。 By adhering to the duty of serving the national strategy and urban development, CTC is committed to carrying out energy-saving and low-carbon work, and has undertaken national and pilot provincial and municipal research projects on carbon emission accounting, verification and carbon trading market in the field of low carbon, compiled more than ten national and industrial carbon emission accounting and verification standards, completed carbon emission verification and spot check in more than 20 provinces and cities, and served nearly 3,000 enterprises.









CDM DOE联合国气候变化 框架公约CDM-EB 认可的 第三方审定与核证机构

CDM Designated Operational Entity, a validation and verification body accredited by UNFCCC CDM-EB



ISO14064 温室气体核查 机构

ISO14064 greenhouse gas verification organization

VCS

VCS VERRA(环境问题的全球领导者组织)认可的核证碳标准第 三方审定与核证机构

A third Validation and Verification Body of Verified Carbon Standard accredited by VCS VERRA, a global leader in environmental issues



GS黄金标准第三方审定与核证 机构

A third Validation and Verification Body of GS

CCER

CCER中国温室气体自愿 减排交易项目审定与核 证机构

A Validation and Verification Body of CCER



国际可持续发展和碳认证ISCC

International Sustainability and Carbon Certification for ISCC EU, ISCC PlUS. Applied in food, feed, energy and industrial applications.

国检集团能够为 政府主管部门 及相关企业提供

CTC can provide goverments and companies with

- 碳达峰碳中和路径规划研究
- 温室气体清单编制
- 温室气体排放管理能力建设
- 低碳试点设计规划
- 温室气体核查及报告复核
- 区域/园区碳中和评价
- CDM / CCER / VCS / GS 项目审定核证
- 碳排放管理体系建设
- 碳标签评价认证
- 双碳机场评价
- 企业、产品及活动碳中和评价
- 低碳产品认证

- Study on carbon peak and carbon neutral path planning
- Greenhouse gas inventory preparation
- Greenhouse gas emission management capacity building
- Low carbon pilot programmes design and planning
 Greenhouse gas verification and reporting review
- Regional/Industrial park level of carbon neutrality assessment
- Validation and/or Verification for CDM/CCER/VCS/GS projects
- Construction of carbon emission management system
- · Carbon label evaluation and certification
- Evaluation and Certification of carbon-peaked/carbon-neutralized airport
- Carbon neutrality assessment of enterprises, products and activities
- Low-carbon products certification



绿色认证服务

Green Certification Service

国检集团长期致力于绿色建材、生命周期评价、碳足迹、水足迹等绿色发展领域的研究与 实践工作,是我国绿色产品认证、绿色建材产品认证的主力军和核心科技力量,作为政府外 脑在中国绿色产品认证、绿色建材产品认证制 度建立过程中发挥了重要的支撑作用。

Having long been committed to the research and practice of green development, such as green building materials, life cycle assessment, carbon footprint and water footprint, CTC is the main force of green product certification, green building materials product certification and the core scientific and technological force, playing an important supporting role in the process of establishing China's green product certification and green building materials product certification system.





认证服务

Certification Service

国检集团早在1989年便开始从事认证工作,能够开展安全玻璃、瓷质砖、汽车用制动器衬片强制性产品认证,质量、环境、职业健康安全、能源等管理体系认证及环保、能源、绿色制造等技术服务认证,为企业提高核心竞争力、实现长期健康发展提供有力保障。

CTC began its certification business as early as 1989, and can carry out CCC certification for safety glass, porcelain brick, and automotive brake lining, management system certification for quality, environment, occupational health and safety, energy certification, and technical service certification for environmental protection, energy, and green manufacturing, to improve the core competitiveness of enterprises and provide a strong guarantee for enterprises to gain long-term healthy development.



流程工业智能服务

Intelligent Services for Process Industry

近年来,数字化浪潮方兴未艾,数字化转型已成为传统制造产业实现高质量发展的必由之路。作为国内一流的流程工业智能服务整体解决方案提供商,国检集团为钢铁、水泥、有色金属、化工、矿山、汽车制造等众多领域客户提供实验室自动化、智能化产品与集成服务,其中,钢铁行业市场占有率已超过50%,所打造的水泥万吨线级智能化实验室,一举打破欧美供应商的行业垄断。



流程工业智能服务助力行业转型升级

Intelligent service for process industry, to assist industrial transformation and upgrading



In recent years, the wave of digitalization has been on the rise, and digital transformation has become the only way for traditional manufacturing industry to achieve high-quality development. As a leading domestic provider of overall solution for process industry intelligent service, CTC provides laboratory automation, intelligent products and integrated services for customers in various fields such as steel, cement, non-ferrous metals, chemical engineering, mining, and automobile manufacturing. Among them, the company's market share in the steel industry has exceeded 50%, and its intelligent laboratory of ten-thousand-ton cement product line broke the industrial monopoly of European and American suppliers.



计量校准 业务

Measurement and Calibration Business 计量校准是国检集团重点培育发展的战略性新兴业务。集团依托专业的技术团队、先进的仪器设备、完善的管理体系,构建了区域性计量校准服务平台,可开展长度类,力学类,温度类,化学类,电学类,以及化工、机动车、建筑交通、纺织皮革、造纸纸张等综合类专用测量仪器的计量校准工作。客户覆盖机械、电子、纺织、医药、建材、化工、检测机构和科研院所等。

未来,公司将坚持"创新突破、需求牵引、供给提升、协同融合"的原则,持续加快计量技术机构建设,加强计量人才队伍建设,加大标准物质研制与应用,推动计量校准领域的 区域布局与协调发展,为客户提供更加便捷、优质的计量校准服务。



Measurement and calibration is the strategic emerging business of CTC. Relying on professional technical team, advanced instruments and equipment, and perfect management system, the group has built a regional measurement and calibration service platform, which can carry out the measurement and calibration of length, mechanics, temperature, chemistry, electricity, chemical engineering, motor vehicle, construction and transportation, textile leather, paper and other comprehensive metrological calibration work. Customers are from industries of machinery, electronics, textile, medicine, building materials, chemical, testing institutions and research institutes.

By adhering to the principle of "innovation and breakthrough, demand orientation, supply improvement, collaborative integration", the company will continue to accelerate the construction of measurement technology, strengthen the construction of measurement talent team, increase the development and application of reference materials, and promote the regional layout and coordinated development of measurement and calibration, so as to provide customers with more convenient, high-quality measurement and calibration services.



Technical Service

Technology R&D and technical services is one of the most distinctive businesses of CTC. Relying on scientific research reserves and R&D advantages, the group can provide customers with integrated technical services for multiple categories, such as workplace safety technical services, standardization technical services, capability verification and measurement check services, professional and technical personnel training, and vocational skills identification.

Such one-stop, diversified and customized innovative services are not only an important embodiment of the group's fulfillment to meet the individual needs of the market, but also an important means for customers to obtain competitive advantages.

科技研发与技术服务是国检集团最具特色的业务之一。集团凭借科研储备及研发优势,可以为客户提供安全生产技术服务、标准化技术服务、能力验证与测量审核服务、专业技术人员培训、职业技能鉴定等多类别综合技术服务。

这种一站式、多样化、定制化的创新服务,既是集团履行满足市场个性 化需求的重要体现,更是客户获得竞争优势的重要手段。





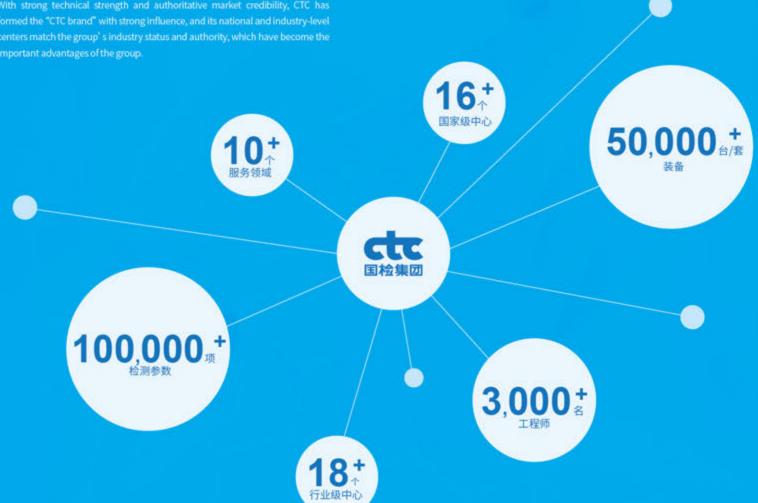


资质实力

Strength of Qualification

国检集团凭借雄厚的技术实力、权威的市场公信力,形成了具有较强影 响力的"国检品牌",所拥有的国家级、行业级中心与集团的行业地位、权 威性相得益彰,成为集团的重要优势。

With strong technical strength and authoritative market credibility, CTC has formed the "CTC brand" with strong influence, and its national and industry-level centers match the group's industry status and authority, which have become the



Platform Advantages



国家级中心

16[↑]



国家玻璃质量检验检测中心 国家防水与节水材料产品质量检验检测中心 国家太阳能光伏(电)产品质量检验检测中心

China National Center for Quality Inspection and Testing of Cement

Inspection & Testing Center for National Waterproof and Water-saving Material Product Quality

国家绿色墙体材料质量检验检测中心 国家建筑工程腐蚀与防护质量检验检测中心 国家耐火材料产品质量检验检测中心(北京) 国家玻璃钢制品质量检验检测中心 国家水泥混凝土制品质量检验检测中心 国家非金属矿制品质量检验检测中心 国家石材质量检验检测中心 国家玻璃纤维产品质量检验检测中心

China National Center for Quality Inspection and Testing of Construction Engineering Corrosion and Protection



行业级中心

18

国家建筑材料工业铝塑复合材料及遮阳产品质量监督检验测试中心 国家建筑材料工业放射性及有害物质监督检验测试中心 国家建筑材料工业耐火材料产品质量监督检验测试中心 国家建筑材料工业建筑材料节能评价检测中心 建筑材料工业环境监测中心 国家建筑材料工业太阳能光伏(电)产品质量监督检验中心

国家建筑材料工业房建材料及结构安全质量监督检验中心 国家建筑材料工业建筑防水材料产品质量监督检验测试中心 国家建筑材料工业墙体屋面材料质量监督检验测试中心

China National Center for Quality Supervision and Test of House Building

*Supervision & Testing Center of State Building Materials Industry for

国家建筑材料工业墙体屋面及道路用建筑材料节能评价检验测试中心 国家建筑材料工业陶瓷工业能耗测试中心 国家建筑材料工业安防工程产品质量监督检验测试中心 国家建筑材料工业水泥能效环保评价检验测试中心 国家建筑材料工业装饰装修建筑材料质量监督检验测试中心 国家建筑材料工业电子玻璃及智能玻璃(器件)质量监督检验评价中心 国家建筑材料工业石材装饰装修质量监督检验中心 国家建筑材料工业工业陶瓷产品质量监督检验测试中心 国家建筑材料工业地质工程勘查质量监督检验测试中心

Cement Energy Efficiency and Environmental Protection Evaluation and

CTC 国检集团

资质能力 Strength of Qualification





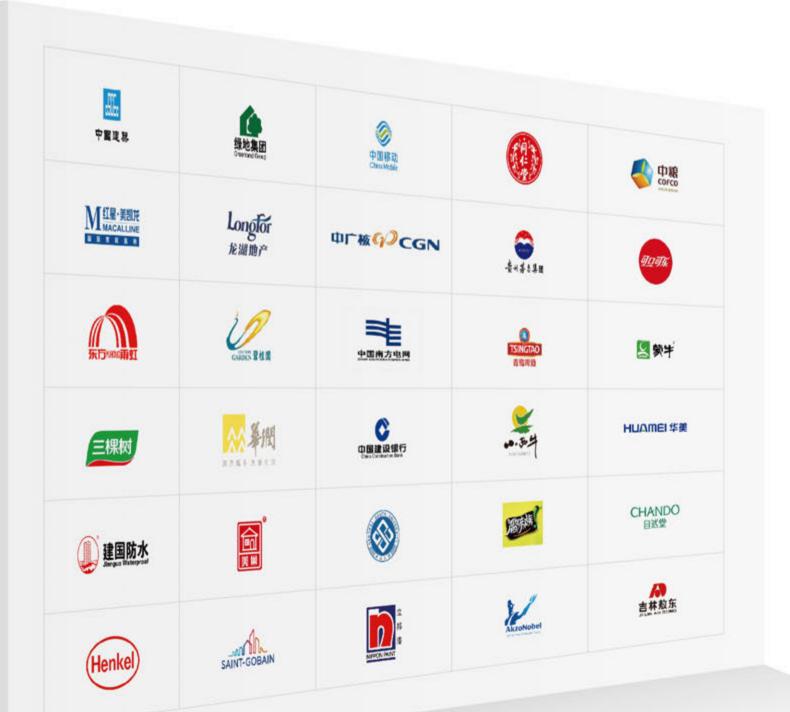


检验认证 让生活更美好 / 33 34

合作伙伴

Cooperative Partners





部分合作伙伴logo(排名不分先后)

国检集团深谙科技创新的力量 守正出新、精业笃行 以满足市场技术需求为导向 深化产学研用协同创新 潜心打磨"核心竞争优势" 以专业实力推动行业发展

CTC is well aware of the power of scientific and technological innovation

Uphold Integrity and being creativity, with Clear Goal and Strong Will

To meet the market technology demands

Promote the collaborative innovation between industry, academia, research, and application
Focus on building "Core Competitive Advantages"

Promote the development of the industry with professional strength

守正出新精业笃行

实力篇

科技创新 Scientific and Technological Innovation

荣誉成就 Awards

人才团队 Personnel

にて 国 検集団

科技创新

Scientific and Technological Innovation

国检集团坚持以解决核心问题和关键技术为切入点,以科研平 台和标准引领为抓手,不断完善科技创新体系,加强科技创新能 力建设,为公司战略发展提供强大的技术支持。

CTC insists on the breakthrough point of solving core problems and key technologies, and the starting point of research platform and standard guidance, to constantly improve the scientific and technological innovation system, strengthen the construction of scientific and technological innovation capacity, so as to provide strong technical support for the strategic development of the company.

200余项 累计完成与在研省部级 以上科研项目

700余项 国家、行业、地方及 团体标准

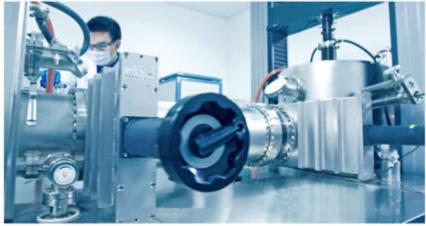
60_个标准化技术委员会

16项 发布与在研ISO、IEC 国际标准

1800余项取得授权知识产权

13% 科研经费投入比例





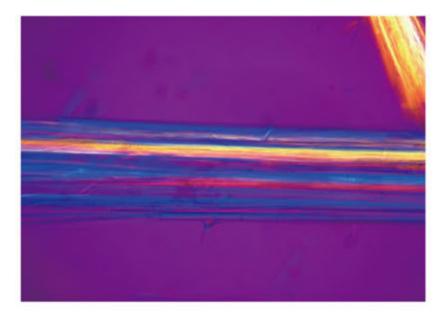
科研项目 Scientific Personal Project

国检集团凭借科研储备及研发优势,累计完成与在研省部级以上科研项目200余项。

Relying on scientific research reserves and R&D advantages, CTC has completed or is studying more than 200 scientific research projects at provincial and ministerial level.



检验认证 让生活更美好 / 37 38



国家新材料测试评价平台 National Testing and Evaluation Platform for New Materials

以国家发展需求为导向,建成国家新材料测试评价平台先进无机非金属 材料行业中心,研发检验认证评价新技术、新方法和新装备,强化材料全 生命周期评价、国产仪器综合验评等延伸增值服务,为无机非金属新材 料产业和国家重点工程提供全方位检测评价方案。

Guided by the national development needs, the National Testing and Evaluation Platform for New Materials - Advanced Inorganic Non-metallic Materials Industry Center was established. It is to develop new technologies, methods and equipment for testing, certification and evaluation, and enhance extended value-added services such as material life cycle assessment, and domestic instrument comprehensive evaluation, so as to provide comprehensive testing and evaluation schemes for the inorganic non-metallic new materials industry and national key projects.

ctc国检集团

国家重点原材料行业双碳服务平台 National Dual Carbon Service Platform for Key Raw Material Industry

承担重点原材料行业碳达峰、碳中和公共服务平台项目,建设绿色低碳技术验证评价平台、绿色低碳产品检验检测与评价平台、中国原材料工业产品碳足迹基础数据库、原材料行业双碳标准体系,双碳信息实时展示系统,提供低碳咨询、技术服务,助力重点原材料行业绿色低碳转型发展。

By undertaking the project to build a raw material industry carbon peak and carbon neutral public service platform, the company constructed the green and low-carbon technology verification and evaluation platform, green and low-carbon product testing and evaluation platform, basic database of carbon footprint of China's raw material industry products, dual carbon standard system of raw material industry, and dual-carbon information real-time display system, to provide low-carbon consulting and technical services, so as to help the green and low-carbon transformation and development of key raw material industries.





technology based on source control, and assisted the key areas of national projects, such as Beijing sub-center, Beijing Winter Olympics, and Hangzhou Asian Games, to achieve high environmental protection goal of "ultra-low formaldehyde, basically no benzene, ultra-low VOC, no odor" after the completion of the decoration.

In addition, CTC has also undertaken 10 national key R&D projects in the 13th Five-Year Plan period, including research on the applicability technology for key standards of building materials to go out, research on the key technology of green product certification in household field, and application and function development of instruments in testing mechanical properties of ceramic materials, contributing to our country's economic and technological strength and comprehensive national strength.

"十三五"国家重点研发计划 National Key R&D Projects in the 13th Five-Year Plan Period

承担"十三五"国家重点研发计划项目《建筑室内材料和物品VOCs、SVOCs污染源散发机理及控制技术》,开发了建筑室内材料和物品评价系列装置和方法体系,解决了室内环保控制领域气味评价方法和现场快速筛查技术缺失的问题,建立了具有我国特色的室内典型材料和物品污染物散发特征数据库,形成了基于源头控制的建筑室内环保控制技术,助力北京城市副中心、北京冬奥会、杭州亚运会等国家工程的重点区域,实现装修完成后即达到"超低甲醛、基本无苯、超低VOC、无异味"的高环保目标。

同时,国检集团还承担了建筑建材重点标准走出去适用性技术研究、 家居领域绿色产品认证关键技术研究、仪器在陶瓷材料力学性能测 试中的应用与功能拓展等"十三五"国家重点研发计划课题10项,为 我国经济实力、科技实力、综合国力跃上新台阶贡献力量。

By undertaking the national key R&D project of "Emission Mechanism and Control Technology of VOCs and SVOCs Pollution Sources of Indoor Building Materials and Articles" in the 13th Five-Year Plan period, the company developed a series of equipment and method systems for the evaluation of indoor building materials and articles, which fills the gap of odor evaluation method and on-site rapid screening technology in the field of indoor environmental control. It also established the database for pollutants emission characteristics of indoor typical materials and articles with Chinese characteristics, developed indoor environmental protection control





"十四五"国家重点研发计划 National Key R&D Projects in the 14th Five-Year Plan Period

承担"十四五"国家重点研发计划《基于材料基因工程的新型高温涂层优化设计与应用开发》,为我国海洋环境战略部署中的"卡脖子"问题寻求技术突破。项目针对海上动力装备用热端部件在海洋腐蚀环境服役的苛刻要求,开发出高温涂层热/力学性能高通量测试共性关键技术及设备,建立起高温涂层研发的材料基因工程研究范式,保障了我国新一代海上动力装备的安全性和可靠性。

CTC undertakes the national key research and development project of "Optimization Design and Application Development of New High Temperature Coatings Based on Material Genetic Engineering" in the 14th Five-Year Plan period, to seek technical breakthrough for the bottleneck in the marine environment strategy deployment of China. Alming at the demanding requirements of the hot end parts used in marine power equipment in marine corrosive environment, the project is to develop the common key technologies and equipment for the high-throughput sequencing of thermal/mechanical properties of high temperature coatings, and established material genetic engineering research paradigm for high temperature coating development, so as to guarantees the safety and reliability of the new generation of marine power equipment of China.





标准/专利 Standards/Patents

行业标准工作发展需求。

国检集团坚持探索技术专利化、专利标准化、标准国际化的发展思路,积极履行标准责任、不断拓展标准业务、持续加强标准研发,主持发布与在研ISO、IEC国际标准16项,国家、行业、地方及团体标准700余项;取得授权知识产权1800余项;管理或参与标准化技术委员会60个,服务全国水泥、玻璃、陶瓷、墙体屋面、耐火材料、防水材料等

CTC insists on exploring the development ideas of patented technology, patent standardization and standard internationalization, actively performs standard responsibilities, continuously expands standard business, and strengthens standard research and development. It has presided over the publication and research of 16 ISO, IEC international standards, more than 700 national, industry, local and group standards; has been authorized with more than 1,800 intellectual property rights, and manages or participates in 60 standardization technical committees, to serve the standard development needs of industries such as cement, glass, ceramics, wall and roof, refractory materials, and waterproof materials across the country.







科研投入

Scientific Research Input

公司持续加大科研投入力度,将创新技术转化为产品与服务,形成以市场为导向的科技研发投入体系,稳步提高科技创新能力, 先后有40余家子公司入选专精特新"小巨人"和专精特新中小企业;40余家子公司获评高新技术企业。

The company continues to increase investment in scientific research, to transform innovative technologies into products and services, and form a market-oriented scientific and technological R&D investment system. With the steady improvement of scientific and technological innovation ability, more than 40 subsidiaries have been selected as "specialized, precise, distinctive and innovative" and "little giant" enterprises; and more than 40 were awarded high-tech enterprises.



荣誉成就 Awards

近年来,因强大的技术实力和一流服务品质,国检集团先后获得2项 国家科技进步奖、60余项省部级奖励等众多重要荣誉,得到社会各 界广泛认可及肯定。载誉前行,国检集团始终坚持通过专业实力,为 每位客户创造价值。

In recent years, due to the strong technical strength and first-class service quality, CTC has won 2 national Science and Technology Progress awards, more than 60 provincial and ministerial awards and many other important honors, widely recognized and affirmed by the community. Moving forward with these honors, CTC will continue to create value for each customer with professional strength.

2项国家科技 进步二等奖 60_{余项}省部级奖励





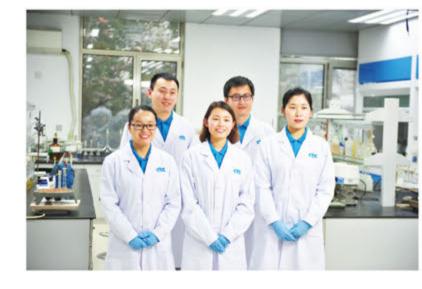
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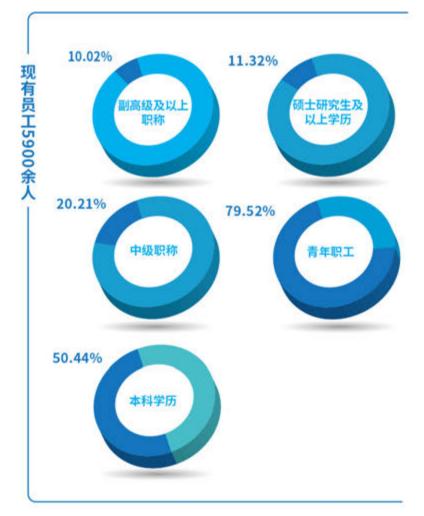


人才队伍和创新团队 Personnel and Innovation Team

创新驱动实质是人才驱动,公司历来重视从内部培养检验认证技术 人才及市场开发人才,实施人才培训计划和储备计划,并通过相应 的激励机制稳定技术团队及市场开发团队。

In essence, innovation drive is talent drive. The company has always attached great importance to the cultivation of testing and certification technical personnel and market development personnel from the internal by implementing personnel training plan and reserve plan, and it stabilizes technical team and market development team with corresponding incentive mechanism.





汇集入选国家百千万人才工程、科技新星计划、吴中伟青年科技奖、优秀青年工 程师标兵等优秀人才,培养和造就了一批具有较高专业水平和创新能力的领军人 才、学科带头人。

实行以学科带头人为核心的创新团队管理模式,激发创新人才的活力和潜能,形 成了一支以中青年科技人员为主体、朝气蓬勃的科研团队,为持续增强公司的竞 争力和影响力奠定了坚实的人才基础。



CTC brings together many outstanding talents selected into the "Hundred-Thousand-Ten Thousand Project", Science and Technology Star Program, Wu Zhongwei Youth Science and Technology Award, and Excellent Young Engineer model, and has cultivated a number of leading talents and academic leaders with high professional level and innovative ability.

The company implements an innovation team management mode with academic leaders as the core, to stimulate the vitality and potential of innovative talents, and has formed a research team with young and middle-aged scientists as the main body and full of vigor, which has laid a solid talent foundation for continuously enhancing the competitiveness and influence of the company.

央企立身、肩当重任 行社会责任、社企业根基 坚持党建引领、关爱员工 助力公益慈善、扶贫攻坚、疫情防控 胸怀初心、服务社会,乃国检集团责任之道

Shoulder important task as a central government-owned enterprise

Perform social responsibility, strengthen enterprise foundation

Adhere to Party building and care for employees

Support public welfare and charity, poverty alleviation, and COVID-19 response

It is the responsibility of CTC to stay true to original aspiration and serve the society

凝心聚力 初心践行

文化篇

- 践行企业理念 Practice Corporate Philosophy
- 加强党建引领 Strengthen Party Building and Guidance
- 履行社会责任 Fulfill Social Responsibility

践行企业理念

Practice Corporate Philosophy

先进的企业文化是企业持续发展的精神支柱和动力之源,是企业 核心竞争力的重要组成部分,企业的竞争从某种程度上已经转向 为企业文化软实力的竞争。

在国检高速前行的途中,国检人不断的实践和对企业发展的理解 造就了属于国检集团独有的企业文化。这将成为国检集团宝贵的 财富,并对集团的前行提供了源源不断的精神动力。

Advanced corporate culture is the spiritual pillar and the source of power for the sustainable development of the enterprise, as well as an important part of the core competitiveness of the enterprise. To some extent, the competition of enterprises has turned to the competition of soft power of corporate culture.

In the process of rapid development, it is CTC people's continuous practice and understanding of enterprise development that creates the unique corporate culture of CTC, which will become a precious wealth of CTC, and provide a constant source of spiritual motivation promoting the group forward.



加强党建引领

Strengthen Party Building and Guidance

集团坚持以习近平新时代中国特色社会主义思想为指导,全面贯彻落实新时代党的建设总要求,坚持把政治建设摆在首位,不断引导各级党组织和广大党员干部强化思想武装。近年来,集团党的建设不断迈上新台阶,有利的推动集团管理提升、改革创新、经营发展,为集团高质量发展助力护航!

Following the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, CTC fully implements the general requirements for Party building in the new era, gives top priority to political development, and constantly guides Party organizations at all levels and Party members and cadres to strengthen their ideological awareness. In recent years, the Party building of the group has gained achievements continuously, conducive to promoting the group's management improvement, reform and innovation, business development, and escorting the group's high-quality development.

党建活动

Party Building Activities

通过开展形式多样的党史学习教育实践活动,持续推动 党史学习教育走深走实,以高质量党建引领企业高质量 发展。

Through the organization of various forms of Party history learning and educational practice, the company continues to promote the Party history learning and education to go deep and solid, and to gain high-quality development of enterprises with high-quality Party building.















关爱与成长

are and Growth

集团不断营造"公平、进取、和谐"的企业氛围,实现员工的人生价值,推动员工与企业共同成长。

By creating a "fair, enterprising and harmonious" enterprise atmosphere, CTC aims to realize the life value of employees and promote the common growth of employees and enterprises. CLC 国检集团

履行社会责任

Fulfill Social Responsibility

国检集团在快速发展的同时,主动担当央企的经济责任、政治责任和社会责任,做"有社会责任感"的企业公民。积极承担起对客户、员工、股东和社会的责任,包括遵守商业道德、生产安全、职业健康、保护劳动者的合法权益和节约资源;持续广泛参与社会公益事业,积极开展并组织员工参加/资助各项慈善公益,促进社会和谐进步。

While developing rapidly, CTC has taken the initiative to assume the economic, political and social responsibilities as a central government-owned enterprise, striving to be a corporate citizen with the "sense of social responsibility". It actively undertakes its responsibilities to customers, employees, shareholders and society, including complying with business ethics, workplace safety, occupational health, protecting the legitimate rights and interests of workers and saving resources; and continues to extensively participate in social public welfare undertakings, and actively carries out and organizes staff to participate in/fund various charities and public welfare, to promote social harmony and progress.

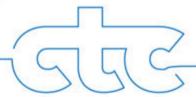


支援疫情防控 Support COVID-19 Prevention and Control

国检集团以各种形式积极支援疫情 防控,以实际行动彰显央企担当。

CTC has actively supported Covid-19 response in various forms, displaying the responsibility of a central government-owned enterprise with practical actions.





开展公益活动

Public Welfare Activities

情系社会责任,怀抱感恩之心。用真情温暖 人间,用爱心回报社会。

By assuming social responsibility and be grateful, CTC warms the world and rewards society with love.





致力安全环保

Committed to Environmental Protection and Safety

国检集团将职业健康、安全生产、环境 保护贯穿于集团可持续发展战略实施 全过程。

CTC upholds the principle of occupational health, workplace safety, and environmental protection throughout the whole process of its sustainable development strategy.







支持一带一路建设

Support the Belt and Road Initiative

国检集团积极响应国家的发展战略,以中国 标准"走出去",为"一带一路"建设贡献"中 国"智慧。

CTC actively responds to the country's development strategy, and "goes global" with China Standard, contributing "Chinese wisdom" to the Belt and Road Initiative.







建设世界一流检验认证集团的應景使命 使我们深感责任之重、使命之强 展蓝图任重道远 我们踔厉奋发 行稳致远 不断开创发展新局面 使国检集团成为行业内最具价值的领航企业!

to make CTC the most valuable leading enterprise in the industryl

The vision and mission of building a world-class comprehensive testing and certification group makes us feel the heavy responsibility and strong mission.

There is a long way to go to achieve the blueprint.

We will work hard and to maintain sustainable growth to create a new prospects for development.

价值引领 行稳致远

展望篇

展望未来 Look Forward to the Future

展望未来

Look Forward to the Future

展蓝图任重道远 我们众志成城、奋勇拼搏

五年内,国检集团将立足检验认证主业,加快 实现创新突破,全力推进构建"四全"业务架 构,布局建工建材、环境与食农检测三大领 域,强化创新、苦练内功,逐步搭建计量、检测 仪器装备、特种设备检测等产品线,提升综合 检测能力;加大科技投入,建立专业齐全、服 务功能完备的检验认证科技条件支撑体系, 不断改善科技研发环境并持续增强技术创新 能力,努力实现高质高效高速发展。

There is a long way to go to achieve the blueprint We will fight as one courageously

In the next five years, CTC will keep a foothold in the main business of testing and certification, accelerate to achieve innovation breakthroughs, and vigorously promote the construction of "Four-whole" business structure. For this purpose, the group will explore business in the three areas of construction and building materials, environment, and food testing, strengthen innovation and enhance internal skills, and gradually set up product lines of measurement, testing equipment, and special equipment testing, to improve the comprehensive testing capability. We will also increase investment in science and technology, to establish a testing and certification technology support system with professional and complete service functions, constantly improve the scientific and technological R&D environment and continuously enhance the technological innovation ability, striving to achieve high-quality, efficient and high-speed development.

面向未来,豪情满怀 我们主动拥抱新时代大变革

未来,国检集团将着眼全球思维新高度,贯彻新发展理念,构建新发展格局。通过强化品牌战略、业务重组、能力建设和资本运营,全力打造全产品线、全产业链、全服务维度、全服务手段的"四全"生态型业务架构。不断增强核心竞争力,加大科技研发投入,强化市场开拓,努力实现7大业务领域(建工建材、环境与环保、汽车与零部件、健康与生命科学、食品与农产品、检测仪器设备以及计量)综合竞争力、产品市场占有率快速提升。致力成为国内领先并在国际上具有广泛知名度、美誉度和较强市场竞争力的第三方检验认证集团公司。

Facing the future, full of pride and enthusiasm We embrace great changes in the new era actively

In the future, CTC will focus on a new height of global thinking, implement new development philosophy, and build a new development pattern. By strengthening brand strategy, business restructuring, capacity building and capital operation, we will strive to build a "Four-whole" ecological business structure of whole product line, whole industry chain, whole service dimension, and whole service means. We will continuously enhance our core competitiveness, increase investment in scientific and technological research and development, strengthen market exploitation, and strive to achieve the rapid improvement of comprehensive competitiveness and product market share in seven major business areas (construction and building materials, environment and environmental protection, automobile and parts, health and life science, food and agricultural products, testing instruments and equipment, and measurement). We are committed to becoming a leading third-party testing and defilication account with wide popularity, reputation and strong market competitiveness of china and the world.



检验认证 让生活更美好