KTR

KOREA TESTING& RESEARCH INSTITUTE

Creating a future of opportunity
based on knowledge and innovation

A business partner
who understands the importance of trust

Our mission is to support businesses with all their
TIC (Testing, Inspection and Certification) needs and
to enable their continuous growth and innovation.

For over 50 years, KTR has helped create a safer,
healthier world for customers and consumers alike.
KTR operates with utmost integrity, safeguarding a
sustainable future with new opportunities.

KTR

Creating a future of opportunity based on knowledge and innovation

A better future for all

KTR completes over half a million tests and certification requests per year for over 30,000 businesses.

We offer comprehensive testing and certification services with bespoke guidance for businesses developing new technologies and venturing into new markets.

KTR

Innovating for the future

Innovation - Change – Trust – Collaboration

KTR bases all its efforts on these four ideals.
We pledge to continue this focus on future innovation,

reliability and collaboration working closely with our clients
to fulfil their compliance needs.

With KTR at its side, businesses have seen change
and innovation at an unprecedented speed over the past 50 years.

Today, KTR has become one of the world's
leading testing, inspection, verification & certification institutes.

By responding quickly to global technology requirements such as Industry 4.0,
KTR is continuing to pave the way for industry of the future,
promoting carbon neutrality and alternative energy sources.

We pursue growth for our customers through enhancing consumer trust in their
capability to innovate within their individually ever-changing business landscape.

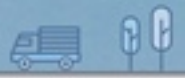| The Korea Rubber Products Testing and Inspection Institute is established	Receives official designation as an imported products inspection agency	Designated as a quality management inspection body
1969	**1982**	**1986**

2018

Convergence Materials Support Center opens

Shipbuilding Surface Preparation Testing Center opens

2019

Celebrates 50th anniversary

Receives designation as a COSMOS certification body for natural and organic cosmetics

Disaster Prevention Technology Testing Center opens

2020

High-tech Rubber Materials Support Center opens

2021

Test laboratory opens in Shenzhen, China

Designated as a GS certification body

2016

KTR Center for Alternatives to Animal Testing opens

2015

Headquarters move to Gwacheon, near Seoul

2012

Receives designation as a CDM DOE agency from the UN

2005

Designated as a CBTL under the IECEE CB-Scheme

2006

Designated as a National Certification Body (NCB) by the IECEE

2010

Changes name to

KTR
Korea Testing & Research Institute

2001

Becomes an inspection and certification body for the safety of industrial products

1998

Accredited as a testing laboratory by US institute NIST

1994

Designated as an official inspection body by the Small and Medium Business Administration

Enters agreement with overseas inspection body for JIS compliance

1987

KTR Locations

|	
Eight laboratories	Gwacheon • Incheon • Yongin • Ulsan Ⅰ• Ulsan Ⅱ• Hwasun Gwangyang • Suncheon
18 branches and offices	Gimpo • Ansan • Hwasung • Bucheon • Uijeongbu • Daejeon • Daegu Gwangju • Busan •Cheongju • Cheonan • Wonju • Jeonju • Changwon Gwangyang • Hongsung • Yangsan • Gumi
Six overseas branches	China [Shanghai, Qingdao, Shenzhen] • Europe • Vietnam • Latin America
One overseas laboratory	China [Shenzhen]
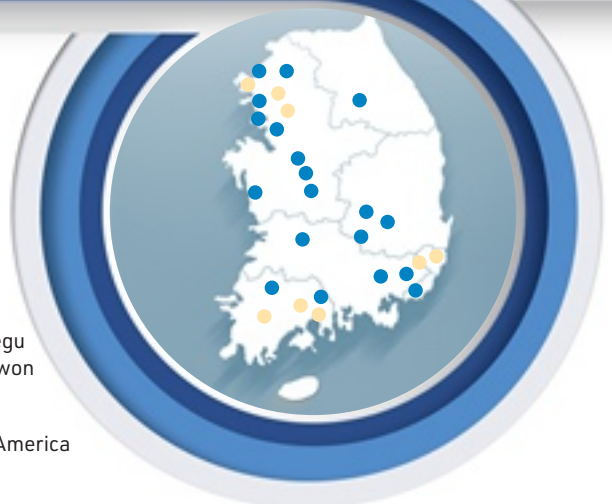
KTR Global network

With a global partner network connecting 180 overseas organizations in 40 countries, KTR is able to support businesses with their international regulatory and compliance needs.

KOREA

Gwacheon Headquarters	Incheon Laboratory	Yongin Laboratory	Ulsan Laboratory I	Ulsan Laboratory II	Hwasun Laboratory	Gwangyang Laboratory	Suncheon Laboratory

GLOBAL
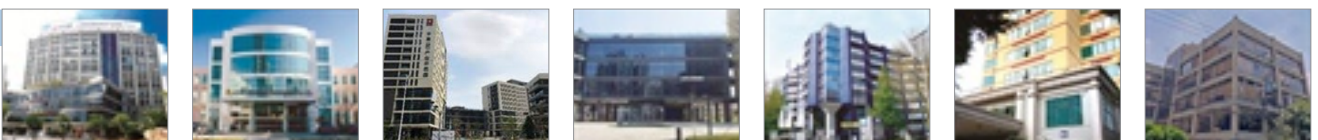
China – Shanghai Office	China – Qingdao Office	China – Shenzhen Office	Shenzhen Testing Lab	KTR Europe Office (Germany)	KTR Vietnam	KTR America (Mexico)

TESTING & EVALUATION

KTR is an internationally recognized testing and evaluation institution that has been designated and accredited by overseas governments and organizations.

Our expertise and state-of-the-art facilities include South Korea's largest testing and certification campus, allowing us to confidently meet industry needs for specialized testing and certification services.

Cutting edge materials to build a better world
Materials | Components | Convergence

Building a safe and pleasant living environment
Chemicals & Environment | Construction

Electrical and electronic products for a secure and sustainable future
Electrical & electronic Products Energy | Software | Defense Industry

The driving force in creating a happy, healthy society
Medical devices | Biosciences | Healthcare

Supporting the development of key industries and increased business competitiveness
Shipbuilding & Marine | Key industries

MATERIALS & COMPONENTS

Cutting edge materials to build a better world

Materials & Components

KTR has a long standing partnership with core industries in their efforts to develop materials and components for improved competitiveness.

● **Materials evaluation**

- Basic physical property tests (tensile, impact, hardness, bending, flexural) & high/low temperature tests for metal and mechanical components

- Tensile, shear, proof load, torque, and hydrogen embrittlement tests for fasteners

- Durability (fatigue, vibration) tests, failure cause assessments, and corrosion tests for materials under various environmental conditions

- Finite element analyses for mechanical parts and noise tests for architectural structures

- Physical and chemical material property tests and evaluations for polymer materials (plastics, rubbers, paints, etc.)

- Microplastic analyses, eco-friendly plastic material property evaluations & R&D support

- Organic, inorganic specialized analysis services for metals, precious metals, rare earth elements, minerals, ceramics, fuels, etc.

- Surface treatment tests (environmental and physical) for metals and chemical products

● **Non-destructive tests**

- Non-destructive tests and evaluations (radiation, ultrasound, liquid penetration, magnetic particles, leakage)

- Tests and evaluations for welding in steel structures, nuclear power plants, offshore plants, etc. (PQR, WPS)

● **Paints and painting tests**

- Physical property tests for paints and painted products; material properties, chemical properties, durability, and weather resistance evaluations for paints and painted products

- Environmental regulation tests and evaluations for highly functional special paints and eco-friendly paints

- Research-based business and reliability support programs

● **Functional materials development support**

- Collaborative use and consignment development for synthesis reactors

- Collaborative use and consignment development for rubber property prediction systems, rubber compounding & equipment processing

- Material property evaluations for functional products; mechanical, flame retardancy, surface analysis tests, etc.

● **Materials development testing**

- Support for research on chemical synthesis reaction

- Support for polymer molding and processing, high-specification surface and X-ray analyses

- Composition and material property analyses, performance evaluations for material components

● **Support for the commercialization of advanced rubber materials**

- R&D (physical property prediction simulations, lab-scale material development support)

- Commercialization (pilot-scale support)

- Test analyses (evaluations of material's physical properties, mass spectrometry and X-ray analyses, thermal property and environmental simulation tests)

CHEMICALS, ENVIRONMENT & CONSTRUCTION

Building a safe and healthy living environment

Chemical & environmental sectors

To ensure a safe and healthy environment, KTR conducts composition analyses, environmental impact assessments, and hazard tests on materials and substances.

- **Environmental evaluations**

  - Risk analyses and evaluations of water quality, waste and soil. Tests and analyses for hazardous environmental pollutants

  - Evaluation and verification of environmental facilities and devices, confirmation and evaluation of new environmental technology/environmental performance

- **Environmental health**

  - Tests and evaluations for air quality and odor control, presence of gases, harmful emission levels, deodorization efficacy, presence of asbestos, etc.

  - Conformity tests for pollutant emission levels (indoor air quality llegal requirements)

- **Consumer product and hazardous substance (RoHS) tests and evaluations**

  - Mechanical and physical property evaluations and tests of hazardous chemical for consumer goods, hygiene products, children's products, etc.

  - Tests and evaluations for household chemical products subject to safety testing (air fresheners, deodorants, fabric softeners, etc.)

- **Resource recycling**

  - Analyses of hazardous substances in waste and soil

  - Assessments of environmental effects of waste recycling

  - Evaluations of recovered fuel efficiency and energy output of solid recovered fuels (SRF) and other waste resources

- **Chemical substance regulatory guidance**

  - Compliance consultations for Korean domestic chemical-related regulations such as K-REACH, K-BPR, OSHA, and TCCA

  - Chemical assessment of substance and product risks

  - Compliance with overseas chemical substances regulations such as EU REACH, China REACH, and UK REACH

Construction

KTR evaluates the quality of architectural and construction materials to create a safe and healthy living environment.

- **Construction materials and disaster prevention technologies**

  - Tests, quality testing, and system evaluations for concrete, glass, wood, ceramics, windows, etc.

  - Tests related to fire reporting/communication referring to related national laws

  - Performance evaluations on insulation, preventing condensation, window airtightness, water-tightness, and wind pressure resistance properties of construction materials

- **Road technology**

  - Performance tests and evaluations for materials used on road surfaces, road safety features, and secondary concrete products

  - Performance certification to recycle construction waste and recycled aggregates, NEP technology consultations

- **Reliability evaluations**

  - Reliability certifications and life span evaluations for materials and components

  - Mechanical, environmental resistance, fatigue testing, failure cause assessments, field tests, etc.
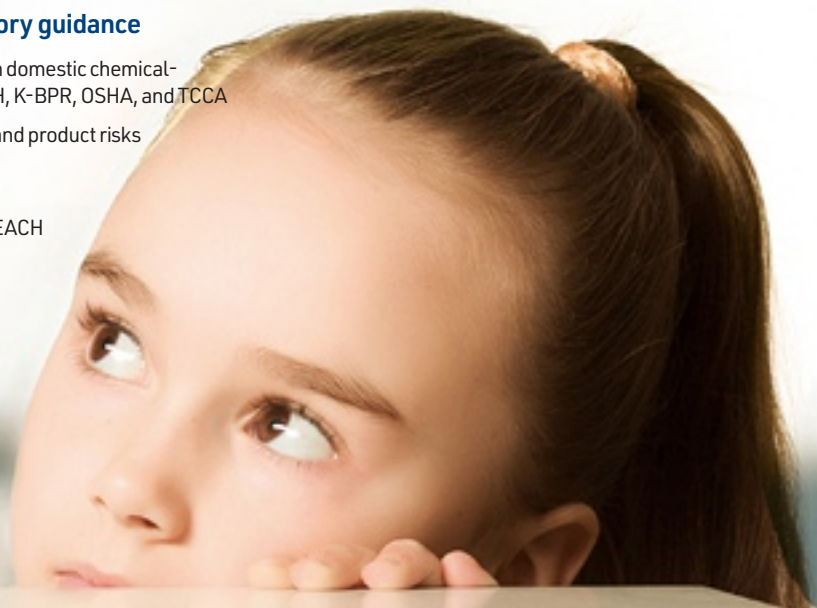
ELECTRICAL, ELECTRONIC & ENERGY

Electrical and electronic products for a secure and sustainable future

Electrical and electronic products

● **Electric, electrical and electronic products**

- KC and KS certification, global certification (CB, CE, PSE, INMETRO)

- Efficiency, high efficiency, standby power, overseas energy tests and evaluations (CA certification, Energy Star, ErP)

● **Lighting equipment**

- KC and KS certification, global certification (CB, CE, UL, INMETRO, Energy Star, ErP, DLC, NVLAP)

- Inspections of traffic safety equipment and biocompatibility verification

● **Electromagnetic compatibility, wireless signals, electromagnetic wave absorption rates**

- Tests and evaluations for electromagnetic compatibility (EMC), specific absorption rate (SAR), radio testing for wireless products

- KC and KS certification, global certification

Software

- GS and CC certification and document review for security function tests

- Functional safety and V&V software for ESS and electrical products

Energy & power

● **Secondary batteries and energy storage systems**

- KC, KS, and KBIA certification, global certification (CB, CE, PSE, UN 38.3)

- 1MW ESS field tests (SAT), ESS PCS, solar inverter tests and evaluations

- Secondary battery tests and evaluations at our test lab in Shenzhen, China

● **Power system equipment**

- Tests and evaluation of power equipment, such as general, high-voltage, and special cables (KS ·KC ·CE)

- Fire resistance and power device safety

- Efficiency and performance tests for rotating equipment (electric motors, pumps, drones)

Defense industry

● **Electromagnetic pulse testing**

- Electromagnetic testing for defense industry equipment, such as MIL-STD-461 and RTCA/DO-160

- EMP evaluations for defense industry and civil protection equipment

● **Reliability tests**

- Reliability tests for the defense industry, avionics, and automotive industry

- Transport validation & reliability tests for packaging logistics

MEDICAL DEVICES & BIOSCIENCES · HEALTHCARE

A driving force in creating a happier, healthier society

Medical devices

KTR provides inspections, testing, and conformity assessments of technical documentation, as well as on-site audits of quality management systems (QMS) for medical devices.

- Testing, inspection, and quality control for medical devices designated by the Korean Ministry of Food and Drug Safety (MFDS[KFDA]); non-clinical testing (GLP) and non-clinical efficacy evaluations, onsite manufacturing facility audits (KGMP)
- Conformity assessment of technical documentation and on-site quality management system audits for CE certification of medical devices and in-vitro diagnostic devices (IVD)

Biosciences

Designated as a cosmetics testing and inspection agency by the MFDS(KFDA), KTR provides testing and evaluation services for cosmetics, microbial and virus testing for household products, and genetic testing services.

● Cosmetic products

- Cosmetics testing and inspection (quality inspections for cosmetics on the market and cosmeceuticals)
- Clinical skin trials for cosmetics (performed by specialized clinical centers in Gwacheon and Hwasun)

● Microbial & advanced biosciences

- Microbial limits testing, sterility, antibacterial, antifungal, sterilization performance tests, etc.
- Antiviral efficacy testing, virus inactivation, bacterial & fungal testing, etc.
- Genetic testing (conventional PCR, real-time PCR)

Healthcare

KTR is a GLP testing institute designated by the Korean MFDS, Rural Development Administration, Ministry of Environment, and the Animal and Plant Quarantine Agency.
KTR's non-clinical tests and evaluations promote public health and well-being by ensuring safety in healthcare.

● Non-clinical tests

- Toxicity evaluations for pharmaceuticals and quasi-drugs, functional health foods, cosmetics, pesticides, chemicals, veterinary drugs, industrial products, and other environmental pollutants
- Testing related to single dose toxicity, repeated dose toxicity, reproductive and developmental toxicity, local toxicity, antigenicity, clinical pathology, histopathology

● Environmental toxicity tests

- Crop, environmental, soil, and physicochemical assessment evaluations for pesticide registration safety evaluations
- Chemical registration testing: aquatic toxicity and physicochemical testing for hazard evaluations of chemical substances

● Animal alternative testing

- KTR is Korea's first evaluation institution offering alternatives to animal testing
- Performs skin irritation and corrosion, skin sensitization, eye irritation, phototoxicity, in-vitro and skin absorption testing

● In-vitro efficacy testing and clinical trials cosmetic products

- Testing related to in-vitro efficacy: whitening and wrinkle treatment efficacy, anti-inflammatory and anti-oxidation, cytotoxicity
- Clinical trials: cosmetics safety and efficacy (functional cosmetics, basic skin care products, color cosmetics, hair products)
- Designated MFDS (KFDA) cosmetics testing lab and inspection bodycolor cosmetics, hair products)
- MFDS(KFDA)-designated cosmetics testing lab and inspection body

KEY INDUSTRIES

Safeguarding the competitive edge
of key industries

Key industries

KTR serves as a specialized testing and evaluation institution for key industries, including the shipbuilding, automotive, chemical, environmental and marine industries.

● Shipbuilding, plant, metal industries

- Welding reliability and durability tests for ships and large structures

- Support to obtain equipment suitability certifications for wind, thermal, and nuclear power generation facilities. ASME and KEPIC certifications for nuclear plants

- Evaluations for general steel and non-ferrous materials, heat-resistant materials, and highly corrosion-resistant materials

- Assessment of defense industry materials, such as structural materials for aircraft, high rigidity materials, and ship module equipment suitability

● Composite materials and automotive industries

- Physical property tests and reliability evaluations for automobile, airplane, ship composite materials, plastic and rubber building materials

- Painting and surface treatment（Classification testing lab designated by major classification institutions such as DNV and Lloyd's, etc.）

- International Maritime Organization Hull Protection Coating (IMO PSPC) & Classification certification tests

- Norwegian ship class (DNV) sacrificial anodes long-term performance tests, antifouling paint and wind power equipment reliability evaluations

● Marine environmental industry

- Inspections and tests for marine waste and seawater (ballast water, bilge water, manure treatment water, etc.)

- Eco-friendly smart ship (designated as type approval testing institute for marine equipment)

- Sea trials（VGP, VIDA, etc.) and type approvals

- Technical evaluations for performance monitoring of ship emissions pollutants (NOx, SOx, CO2)

- Analysis of marine fuel oil quality (sulfur content, density, kinematic viscosity, flash point, pour point, etc.)

- Quality evaluations of petroleum and chemical products (hydrocarbon component analysis, elemental analysis, etc.) and technical consulting

● Chemical and environmental industries

- KC certification for all water supply equipment and water quality inspection items

- Waste and solid fuel analysis, treatment process performance evaluations, soil pollution official tests

- Assessment of hazardous chemical substances in automobiles and electronic products (RoHS, WEEE, etc.)

- Quantitative and qualitative evaluations, materials testing, and thermal behavior analysis of organic and inorganic chemical substances

KOREA CERTIFICATION

Verifying product quality and reliability with KTR's certification services

KTR voluntary certification services

TR Mark
Technological performance and reliability

S Mark
Compliance with national standards related to functionality, such as sterilization or antibacterial (recognized by KAS)

Q Mark
Conformity of industrial goods to quality standards for certification

V-Check
Conformity to quality standards for electrical products

R Mark
Voluntary certification based on reliability standards (RS) guaranteeing a product's lifespan

Energy Efficiency Management System
Energy efficiency of a product

Natural/Organic Cosmetics Certification Marks
KMFDS certification for products meeting the standards for natural & organic cosmetics and organic raw materials

KC certification

KTR supports the KC certification scheme, a nationally integrated certification mark, to verify the safety of Korean products across various fields.

The KC mark is granted to products demonstrating safety in accordance with national legal requirements on the safety of everyday electrical appliances and household goods. The mark certifies the reliability of the product.

Electrical products

Wires and power cords, electrical switches, power capacitors and power filters, accessories and connecting parts for electrical equipment, protective components for electrical appliances, isolation transformers, electrical equipment, power tools, equipment for audio/video applications, equipment for information and communications, office use, and lighting

Consumer products

Safety certification : recycled vehicle tires, pressure pots and pressure cookers for home use, water toys

Safety confirmation : batteries (excluding rechargeable ones), vehicle tires, beauty equipment for home use, indoor flooring

Supplier declaration of conformity : furniture, eyelash curlers, double eyelid tape

Children's products

Safety certification: water toys and BB guns for children

Safety confirmation: 12 categories including toys, school supplies, strollers, highchairs for babies, bunk beds for children, baby tricycles and carriers

Supplier declaration of conformity: furniture, accessories, frames for glasses and other products for children

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Designation and safety labeling standards for consumer chemical products subject to safety verification

In accordance with the Consumer Chemical Products and Biocides Safety Act and K-BPR, KTR evaluates chemical products or chemicals which people could be exposed to, or that could be released into the environment, ensuring their compliance with safety standards.

Kitchen and laundry detergents, fabric softeners, coatings, adhesives and bonding agents, air fresheners and deodorizers, beauty and other products

Biocidal products: disinfectants, insecticides, preservatives & preservation process products

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KS certification

Fair and impartial KS certification services based on 50 years of accumulated testing and certification experience.

Designated as a KS certification body in accordance with local legal requirements, KTR performs certification services for 467 categories across seven sectors: mechanical engineering, electrical and electronic engineering, metals, construction, everyday commodities, ceramics, and chemicals.

Certification sectors

Mechanical Engineering (B) 45 categories
Electrical and Electronic Engineering (C) 92 categories
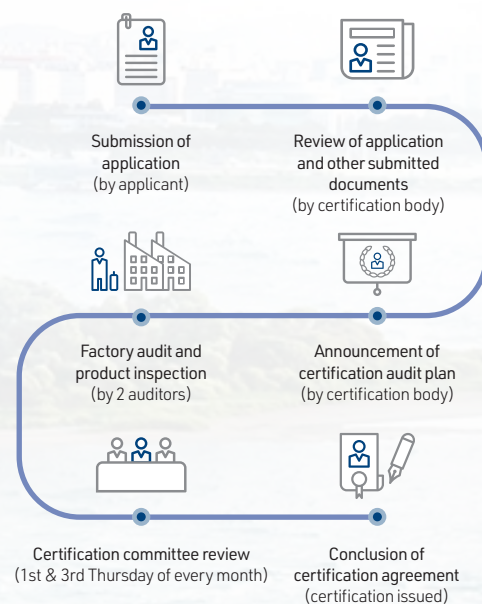**Metals (D)** 106 categories
Construction (F) 90 categories
Everyday commodities (G) 6 categories
Ceramics (L) 38 categories
Chemical Engineering (M) 88 categories

Process to obtain certification

Submission of application (by applicant)

Review of application and other submitted documents (by certification body)

Factory audit and product inspection (by 2 auditors)

Announcement of certification audit plan (by certification body)

Certification committee review (1st & 3rd Thursday of every month)

Conclusion of certification agreement (certification issued)

GS certification

Software quality certification in accordance with Article 20 of the Software Promotion Act (designated)

Certification sectors

Software related to industry, information security, data management, embedded applications, digital content

GLOBAL CERTIFICATION

KTR offers global certification services to enhance the global competitiveness of businesses on the world stage

Global certification

Business agreements with 180 organizations in 40 countries ensure KTR's unparalleled support for companies expanding into new markets.

JIS
Japanese Industrial Standards
KTR is a JIS certification body complying with the Industrial Standardization Act of Japan. We provide JIS certification for industrial mining products and processing technologies

CE
European Conformity Mark
KTR provides industrial CE testing and certification services through reciprocal agreements with European certification bodies

CCC
China Safety and Quality Compulsory Certificate
KTR provides CCC testing and certification services for the industrial sector based on our far-reaching network with our counterparts in China

EAC
Eurasian Economic Union (EAEU) Conformity Certificate
KTR provides EAC certification and testing services for Russia, Kazakhstan, Belarus, Kyrgyzstan, and Armenia

INMETRO
Brazilian Conformity Mark
Our reciprocal agreements with Brazilian certification bodies means we are able to offer **INMETRO** testing and certification services for the industrial sector

PSE
Japan Product Safety Electrical Mark
KTR provides PSE (Circle) testing services for products in the electrical and electronic fields

GS
Geprufte Sicherheit Mark
Collaboration with German certification bodies enables us to offer shorter GS certification processing. Thanks to government funding, overseas certification costs are waved for SMEs and startups

MET
Compulsory Certification System for Wired and Wireless Communication Devices by MET labs
KTR is an accredited testing laboratory for US electromagnetic communications approval, providing FCC testing and approval support services

FCC
US Federal Communications Commissions Testing and Certification in accordance with UL Standards for the Export of Electrical and Electronic Products to the US and Canada
KTR provides testing and certification support services

Energy Star
US Energy Efficiency Certification Program
KTR is a US EPA accredited testing laboratory, providing testing services for the industrial sector

KEMA
Netherlands Quality Reliability (Excellence) of Large-Capacity Electrical Machines and Components
KTR offers testing and certification support and factory inspections

VCCI
Japanese Certification Mark for Interference in Information Processing and Technology Devices
KTR provides testing services and testing and certification support for the industrial sector

VDE
Verband der Elektrotechnik:German Certification Mark for Electric and Electronic Products, Medical Devices, and Products under the Product Safety Act
KTR provides testing and certification support

C-tick
Australia Compulsory Electromagnetic Compatibility Certification System
KTR provides electric, electronic product electromagnetic wave communication standard testing services

COSMOS
European Natural and Organic Cosmetics Certification Mark
Certifying European COSMOS standards for natural, organic cosmetics and raw materials

Responding to climate change

KTR is a CDM-DOE, global greenhouse gas testing and certification body recognized by the UN and a domestic emissions trading system validation institution.

UNFCCC Feasibility Assessment and Inspection/Certification
Certification fields: Energy industry (renewable energy), energy demand, manufacturing industry, chemical industry, F-gas fugitive emissions, waste

International Footprint Certification
Promotion of international footprint (carbon, water) certification

Verification of Target Management Systems Emissions Trading Systems
Certification fields: general (energy, buildings), chemicals, minerals, steel, metals, waste

Verification for International Aviation Carbon Offsetting and Reduction Systems
KTR conducts verifications of greenhouse gas emissions by domestic and international airlines

Carbon neutral assessment
KTR is working towards being designated as a certification body for current environmental systems such as carbon labeling (carbon footprint)

Carbon emissions assessment
KTR undertakes evaluations of the effect of reducing greenhouse gases in terms of carbon value in green finance

Developing standards related to carbon neutrality
KTR advocates for carbon neutral verification and CCUS ISO standardization

Carbon-neutral R&D and infrastructure program
KTR is currently focusing on the following research:

- green hydrogen and how to develop methods to calculate hydrogen emissions throughout a product lifecycle
- methods to conduct integrated analyses of CCUS technology and applied products
- the calculation of the potential for global warming and ways to measure this
- the creation of a basis for a special carbon-neutral zone supported by the local governmen

BUSINESS
SUPPORT SERVICES

KTR works with various government departments to assist our partners in succeeding at every stage of their business: from product to certification and market development

Education programs

KTR runs systematic training programs to strengthen its inspection institutions and improve trainees' evaluation capabilities.

Mandatory training

Mandatory training specified by KOLAS

Mandatory training specified by the Ministry of Food and Drug Safety(KFDA)

TIC (Testing, inspection and certification body) designation support and evaluations

Consultations on designation as a testing and certification body Internal audit for testing labs and certification bodies

National HRD consortium program

Professional HR training on how to respond to standard requirements and technical regulation to enhance the competitiveness of exports

Korean Ministry SMEs and startups overseas certification professional training, education and seminars

Tech-talk program

Education on standards policies, certifications, and technologies related to international certification

Incentives (in the form of additional points) given to those who complete relevant training, when they are applying to the support program for overseas certification acquisition

Technology regulatory guidance program

KTR is involved in a project to reform unreasonable regulation and monitors new developments in domestic and international technology regulations aimed at companies.

Overseas certification support program

KTR subsidizes part of the cost of testing, certification, and consulting services costs for small and medium-sized export firms in Korea pursuing international certification.

Research & Development

KTR has collaborated with the industry to implement national R&D programs. Our highly-qualified research personnel works with advanced infrastructure to foster technological competitiveness and product development in small and medium-sized enterprises.

Main support programs

- Technology development and support

- Main programs led by the Ministry of SMEs and Startups industry-academia-research institute collaboration program
  Manufacturing SME innovation voucher program
  Research-based utilization plus program, etc.

- Main projects led by the Ministry of Trade, Industry and Energy Program
  promoting economic cooperation and specialized regional industries, etc.

- Collaboration with the Korean government
  Working towards better program connections between the Ministry of Science and ICT, Ministry of Food and Drug Safety, Korean Intellectual Property Office, etc.
  Intellectual property evaluation support program, etc.

- Research programs on standardization
  Development and dissemination of national standard technologies
  Establishment of standards and safety infrastructure
  Development and dissemination of published materials on standards

1381 Hotline in Korea

KTR's 1381 Certification and standards call center provides information about Korean and international certifications and standards.

☎1381 for all inquiries about certifications and standards

Dial ☎1381 or type 1381 in the search bar on our website

In addition to telephone and internet contact, in-person consultations are also available for customers preferring customized consultations with an expert.

KTR, a leading global testing and certification institute

KTR NETWORK

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