Dream a Safer World

KFI

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KFI is the driving force for the fire industry of Korea. KFI is continuously growing and advancing into the future.

1977.6.
재단법인 한국소방검정협회 창립
(1979, 한국소방검정공사로 개칭)
Korea Fire Equipment Inspection Association established
[renamed Korea Fire Equipment Inspection Corporation in July 1979]

특수법인 한국소방검정공사로 설립
KFI acquired a special legal status

1993.12.
ISO/TC21 소방기기분야 국제간사기관 지정
Designated a national secretariat of ISO/TC21

1996.2.
KOLAS 공인시험기관 지정
Designated a nationally accredited test organization by KOLAS

1996.7.
위험물탱크시험·검정업무 개시
Starts the Test & Inspection of Hazardous Materials Tanks
FMRC (미국공장안전협동기구)와 사후관리 (공장안전대행 양해각서 교환
Exchanges the MOU with FMRC for Follow-Up Services (site audit)

2002.7.
부설기관 소방방재제품 PL상담센터 개설
Fire & Disaster Prevention Products PL Center established

2002.7.
국내 최대 소화시험장 건설
The nation’s largest Fire Test Room established

2003.1.
소방산업기술연구소 설치
Installed Fire Industry Technology Institute

2003.6.
UL과 상호시험 업무대행 협정 체결
Fire Technology Research Center established
[renamed Fire Technology Institute in March 2006]

2005.5.
아시아소방검정기관협의회 (AFIC) 발족
AFIC (Asia Fire-protection Inspection Council) established

2005.8.
KOLAS 공인검사기관 인정
Designated a nationally accredited inspection organization by KOLAS

2006.10.
FM과 상호시험업무 대행 협정체결
Concludes Fire Protection Technical Agreement with FM Approvals

한국소방산업기술원으로 개원
Founded the Korea Fire Industry Technology Institute
한국소방산업기술원이 믿는
국민 행복을 위한 가치창조

한국소방산업기술원은
국민의 신뢰를 받는 최고의 소방기술을 지속적으로 창출하여
모든 국민이 안전하고 행복한 세상을 만들어 가기 위해 존재합니다.

소방가치 창조로 더 안전한 세상 구현
Realizing a safer world by creating values of fire industry

Global leader for the fire industry

미션 Mission

전략방향 Strategy

핵심가치 Core Value

KFI Way

고객중심 Kindness

최고지향 First

지식추구 Intelligence

성과 Achievements

공평적 성과 창출 Producing balanced results

고객 Customer

참여적 고객참여 실현 Realizing customer satisfaction by promoting their participation

프로세스 Process

전략적 경영시스템 구축 Implementing a strategic management system

학습 및 성장 Learning and growth

창조적 조직문화 개발 Developing a creative organizational culture
KFI creates values for happiness of the nation

KFI is creating a safe and happy world for all by continuously creating the best values to win the trust of the nation.
Our hope is that KFI will provide the best services.

Competent Leader

KFI will lead the fire industry by developing new technologies.

Coaching Leader

KFI will develop Korea as one of the world’s best fire industry nations.

KFI is developing the best system for advancement of the fire industry of Korea and for the safety and happiness of the nation.
Customer Satisfaction
Social Contribution

Technological support and cooperation with in the fire industry

Advancement of fire technology standards

Safety Inspection of Fire Equipment

International cooperation
International Certification Services

Safety Inspection of Hazardous Materials Tanks, etc.

Research & Development

Major Activities
We will dedicate every effort to advancement of the fire industry.

Technological support system to improve technology standards of the fire industry

We will dedicate every effort to advancement of the fire industry.
We march into the wider world by advancing fire technologies.
For the future of the fire industry, we need a long-term policy to look far ahead.

Mecca of fire industry development
울바른 소방정책의 보급과 소방산업 발전을 위한 마케팅 지원
Marketing support for distribution of appropriate fire equipment and advancement of the fire industry

우수한 소방기술과 혁신성장, 울바른 소방정책의 보급에 앞장서고 효과적 홍보와 전략적
마케팅에 앞장서 소방산업체의 노력이 결합을 맺을 수 있도록 지원합니다.

체계적 전문기술의 발굴
Systematic development of specialized technologies

우수한 기술 개발을 촉진하기 위해 소방산업기술대상 등 다양한 프로그램을
마련하고 있습니다. 신기술 발굴 및 기술평가를 통한 기술DB 구축사업은 엄격한 중복투자를
저양, 선택과 집중을 통한 경쟁력 강화에 도움을 주고 있습니다.

소방전문인력 양성
Development of fire experts

전문적 소방인력 양성을 위한 체계적인 기술교육은 물론 각종 세미나 및 현장 종사자를 대상
으로 재교육을 실시하여 새로운 정보와 기술이 적용되고 개선될 수 있도록
노력하고 있습니다.

소방산업체 제품품질 향상 지원
Supporting product quality improvement

신기술 정보의 신속한 제공은 물론 침단 소방정책을 개방하여 신제품 개발을 지원하며 일반
업체에서는 하기 힘든 시험분석을 대신하여 그 결과를 신속, 정확하게 제공합니다.
The future of the fire industry depends on the development of scientific, specialized and global technologies.
Improvement of fire product test and inspection, advancement of technology standards

Global standardization of testing and inspection technologies

ISO activities

Global standardization of testing and inspection technologies

So far, one by one, step by step, an improvement of quality management, advancement of technology standards, and ISO activities, have been steadily progressing. In addition, to implement effective fire testing and inspection systematic systems, which are the core of our business, we are working on systematic improvements and inspections, and implementing effective quality management processes.

The improvement of fire test and inspection, advancement of technology standards, ISO activities, and global standardization of testing and inspection technologies, make our company one of the leading companies in the fire product testing and inspection market. We are continuing to push for the achievement of our company's mission and vision, and to become a world-class company.
Quality improvement of fire products starts from a strict approval and thorough inspection process.

 국내 모든 소방제품은 KFI의 승인과 검사를 받습니다. 이는 불량 제조의 유명을 근본적으로 차단함으로써 소방제품의 품질을 개선하고 안전성을 강화하는 등 국민안전 확보를 목표로 하고 있습니다.
## Model Approval

Formally approved fire equipment is examined to determine the model of fire equipment and to examine test facilities with the type test for prototypes of fire equipment up to the fire safety standards.

## Product Inspection

### Pre-product Inspection

A procedure to inspect whether the structure, performance, etc. of each fire equipment product is identical with the one previously approved before it is brought to market.

### Post-product Inspection

A procedure to inspect randomly collected samples from fire equipment products on the market to see whether they meet applicable standards.

### Procedure

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### Objects of Model Approval

- Fire extinguisher, sprinkler head, detector, receiver, fire hose etc.
Flame retardant Performance Test

This test is to examine whether a product treated with flame retardants or manufactured with flame retardant materials meets the flame retardant performance standards.

Specially designated property

- Facilities with 11 floors or over, excluding apartments
- Massage clinics, fitness clubs, cultural & assembly facilities (churches and wedding halls, etc.)
- Multi-purpose facilities
- Sporting facilities (table tennis courts, gym and bowling alleys, etc. - swimming pools excluded)
- Massage clinics, fitness clubs, cultural & assembly facilities (churches and wedding halls, etc.)
- Buildings with 11 floors or over, excluding apartments

Flame retardant Performance Test

- Curtains
- Carpets
- Wallpapers
- Fibreboard
- Plywoods
- Stage screens
- Objects of fire retardant
- Screens
- Interiors decoration items

Procedure

- Application
- Sampling
- Washing and drying
- Confirmation of the quantity to be tested
- Affixing the mark
- Merchandising

- LODGING FACILITIES (hotels and motels, etc.), general hospitals and photographic studios
- Specially designated property
- Multi-purpose facilities

- PERFORMANCE STANDARDS.
- LODGING FACILITIES (hotels and motels, etc.), general hospitals and photographic studios
- BATHROOM FACILITIES
- SPORTING FACILITIES (table tennis courts, gym and bowling alleys, etc. - swimming pools excluded)
- Massage clinics, fitness clubs, cultural & assembly facilities (churches and wedding halls, etc.)
- BUILDINGS WITH 11 FLOORS OR OVER, EXCLUDING APARTMENTS

- PERFORMANCE STANDARDS.
- LODGING FACILITIES (hotels and motels, etc.), general hospitals and photographic studios
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- BUILDINGS WITH 11 FLOORS OR OVER, EXCLUDING APARTMENTS
소방제품의 성능시험 및 KFI인정

Performance Test and KFI Certification of Fire Protection Products

성능시험

Performance Test

성능시험은 소방시스템(소방광기계·기구의 형식승인 등에 관한 규칙에서 정한 품목을 관계자의 요청에 따라 승인·시험하는 일의제도입니다. 건물이 건축법에 적합한지를 시험하여 설계검사를 승인하는 '제품승인', 건물법은 후 편매하기 위하여 양산된 제품을 검사하는 '제품검사'로 구분하여 시행합니다. Performance test is an optional system to test and examine legally designated items at the request of the parties concerned. This test is divided between 'certification of performance' and 'test of products.' The former is to test whether the prototype meets the standards, and the latter is to examine the merchandised products.

KFI인정

KFI Certification

소방용 기계·기구의 형식승인 및 성능시험제재상에 포함되지 아니한 중요한 소방제품의 구조와 성능을 확보하기 위하여 운영하는 일의제도로서 관계자의 요청에 따라 시험·검 사합니다. 건물이 건축법에 적합한지 시험하여 설계검사를 인정하는 'KFI인정', 인정받은 후 편매하기 위해 양산된 제품을 검사하는 'KFI인정 제품검사'로 구분하여 시행합니다. KFI certification is an optional process to ensure the structure and performance of major fire products which are excluded from legal inspection and performance tests at the request of the parties concerned. The process is divided into 'KFI product certification', and 'KFI certified product inspection.' The former is to test whether the prototype is suitable to the standards, while the latter is to examine the merchandised products.
Safety Inspection of Hazardous Materials Tanks, etc.

KFI executes Safety Performance Inspection for newly produced and installed hazardous materials tanks and Periodic Inspection for ensuring the safety of the existing tanks in accordance with the Hazmat Safety Management Law. KFI also carries out Complete Construction Inspection for Manufacturers of Hazardous Materials, etc.

Study on international standardization of hazardous substances (GHS) and technical study for green growth

With the goal of improving technological level of companies manufacturing hazardous materials and of strengthening safety of the facilities containing hazardous substances, KFI is conducting investigation and research to improve the basic theories and inspection technology of storage tanks, etc. With this, KFI is contributing to advancement of the technological standards and development of national economy. Ensuring safety of the hazardous facilities, KFI is providing education and technical information to continuously support the companies manufacturing hazardous materials.
**Classification of inspections**

위험물탱크 기술검토 Technical review of storage tanks

위험물탱크 설계단계에서 내전성 및 구조안전 등의 적합성을 확인하는 설계심사로 기술검토 대상은 50만 리터 이상의 납작형탱크장소 및 암반형탱크마다.

안전성능검사 Safety Performance Inspection

안전성능검사는 신규로 제작되는 저장용량 100만 리터 이상의 옥외탱크장소에 대한 안전성 확인 검사이며 기초·저반검사, 용 seri 경사 및 충수·수압시험 등의 검사로 이루어집니다.

정기검사 Periodical Inspection

사용 중인 100만 리터 이상의 위험물옥외탱크장소 및의 적합성 검사는 10년 간격으로 안전성을 확인 하는 검사이며 떨어 벽과 등급의 결함 확인을 위한 비파괴시험, 철저 및 기초적 검정지 충성을 위한 수직도·수평도 시험과 철만부식 확인을 위한 두께측정시험 등이 있습니다.

위험물제조소 등의 완공검사

Complete Construction Inspection for Manufacturers of Hazardous Materials, etc.

50만 리터 이상의 위험물옥외탱크장소 및 저장용량 3,000리터 이상의 위험물제조소 등의 설치 또는 변경공사 종료 후 위험물안전관리법령의 기술기준에 적합여부를 확인하는 검사입니다.

위험물 성장판정시험 Test of Classification for Hazardous Materials

위험물의 물리화학적 워성성을 평가하는 시험으로 위험물안전관리법 시행령에서 정하는 제1류에서 제6류까지 특성에 따라 진행된 시험기술에 따라 안전성, 밀폐성, 균형성, 연소성 등을 평가하여 위험물의 분류 및 저장용량 등을 관리합니다.

위험물 운반용기검사 Inspection of hazardous substance transporting containers

신규로 제작하거나 수입하는 운반용기에 대하여 사용 전 안전성을 확인하는 검서로 검사대상은 기기에 의하여 하락하는 구조로 된 250리터~3,000리터 용량의 대형 위험물 운반용기입니다.

이중벽탱크검사 Double-walled tank inspection

이중벽탱크는 주변에서 지하에 설치하는 위험물저장탱크로서 내벽 및 외벽의 이중구조를 갖는 탱크를 말합니다. 재질검사, 두께측정검사(내벽, 외벽), 비파괴검사 및 기밀시험 등을 실시하여 유출 누출 및 안전 사고예방을 위하여 철저히 검사하고 있습니다.
Advancement of the fire industry begins from continuous research and development.
Fire protection facility and control system R & D

In order to support technological development of fire equipment and facilities, KFI is continuously collecting information on studies of fire-suppression machinery, equipment and instruments by participating in government projects and joint research projects with related organizations, as well as testing, research and service projects.

Fire fundamentals, property, and state investigation & research

KFI is focusing on research activities to prevent occurrence and spread of fire. By recording and inspecting firefighting measures and aspects of fire on building structures and examining fire resistance of interior materials, KFI studies the fundamentals of fire safety and PBD-based technologies. As such, KFI is endeavoring to achieve greater safety against fire.

Information management, publication, technical lectures and publicity

KFI is endeavoring to provide advanced information produced by collecting, analyzing and distributing related specifications and codes and by implementing a fire industry information and statistics database.

Study for future development

Through R&D for fire equipment, systems and technologies, KFI is developing the ability of the fire industry in Korea to seize opportunities and handle risks.

Research & Development
Korean Fire Industry Technology Institute

Supporting and achieving international cooperation for overseas market entry

- KFI provides consultation service and an information bank to support outstanding products of the fire industry to obtain overseas certifications.
- KFI provides global market information with a database of certification data from 10 advanced countries (UL, FM, BRE and ISO, etc.).
- KFI supports manufacturers’ participation in domestic and international fire exhibitions for overseas market development.
- Through technical cooperation with overseas organizations, KFI is enhancing Korea’s technology standards. At the same time, KFI supports overseas marketing to enhance the international competitiveness of fire industry.
- KFI provides the information from investigation and analysis of overseas fire industry to support manufacturers’ overseas market entry.
- By organizing seminars and supporting participation by manufacturers, KFI is assisting to develop wider networks in the Korean fire industry.

Fire industry globalization is the demand of the time.
AFIC (Asia Fire-Protection Inspection Council)

AFIC is a council that has launched for the technology development and globalization among Asian fire related organizations since May 2005. It is establishing Asian network for members: Korea (KFI), Japan, Philippines, Thailand, India, Singapore, Vietnam, Taiwan, Indonesia.

Promotion of Technical Cooperation with foreign testing & inspecting bodies:

- Contracting Strategic Partnership Agreement with UL (Jun. 2003)
- Contracting Fire Protection Technical Agreement with FM Approvals USA (Oct. 2006)
- Contracting Fire Protection Technical Agreement with SSL (Australia) (Oct. 1999)
- Contracting Fire Protection Technical Agreement with Nation Supervision & Test Center for Fire Electronic Product Quality (China) (Feb. 1999)
- Contracting Fire Protection Technical Agreement with Sichuan Fire Research Institute of MPS (China) (May. 2006)
- Contracting Fire Protection Technical Agreement with Tianjin Fire Research Institute of MPS (China) (Oct. 2006)
- Contracting Technical Agreement with SP Sweden (Aug. 2007)
- Contracting Technical Agreement with Fire Research Center of Japan (Dec. 2007)

ISO Activities:

As the secretariat body of the local fire equipment technical committees, KFI participates actively in international standards enactment and also promote the globalization of the local technical standards.
KFI provides the service of conferring overseas certifications to strengthen global competitiveness and to increase exports.

**UL 인증시험업무**
**UL Certification Services**

제조업체의 해외규격인증 지원
Supporting manufacturers to obtain overseas certifications

- 제조업체가 개발적으로 외국에서 받았던 UL인증 업무를 국내에서 시행함으로써 업체의비용 절감 효과 및 업무의 효율성을 가져올 수 있습니다.
  In the past, manufacturers had to independently obtain UL certificates abroad. Now, KFI administers the certification operation to bring the effects of cost reduction and operation efficiency.

- 국제시장에 필요한 언어 및 선진기술 제공으로 제조업체의 실질적인 업무지원이 가능합니다.
  KFI offers substantial support to manufacturers by providing them with advanced technologies and language services necessary in obtaining international certificates.

KFI-UL 상호협력인증 소방용기계 개시목록 
KFI-UL Mutual Certification Services items

UL 인증시험은 기술상의 시험설비로 실시함으로써 UL에서 요청하거나 UL과 협의된사항에 대하여 시행합니다.
In principle, UL certification testing is carried out with the testing facilities of KFI. KFI administers tests on request by UL or of test items agreed upon with UL.

- UL 193 알람밸브 Alarm Valves for Fire-Protection Service
- UL 203 파이프하거 Pipe Hanger Equipment for Fire-Protection Service
- UL 213 구리기술적재료 Rubber Gasketed Fittings for Fire-Protection Service
- UL 262 게이트밸브 Gate Valves for Fire-Protection Service
- UL 312 체크밸브 Check Valves for Fire-Protection Service
- UL 401 광관 Portable Spray Hose Nozzles for Fire-Protection Service
- UL 668 소방호스밸브 Hose Valves for Fire-Protection Service
- UL 1091 버터플라이밸브 Butterfly Valves for Fire-Protection Service
- UL 4052 소방관 Fire Department Connections
- UL 2443 유연관 Flexible Sprinkler Hose with Fittings for Fire-Protection Service
KFI administers testing and plant inspection according to the FM testing standards. KFI also confers FM certification and administers follow-up management. By drastically reducing labor and physical costs of manufacturers, KFI contributes to strengthening their global competitiveness.

KFI-FM Mutual Certification Services items

- Approvals Standard for Check Valves
- Approvals Standard for Indicating Butterfly Valves
- Approvals Standard for Fire Service Water Control Valves (OS&Y and NRS Type Gate Valves)
- Approvals Standard for Swing Check Valves
- Approvals Standard for Angle Hose Valves
- Approvals Standard for Straightway Hose Valves
- Approvals Standard for Fire Department Connections
- Approvals Standard for Flexible Sprinkler Hose With Threaded End Fittings
- Approvals Standard for Firefighting Nozzles for Use with Hose, Monitor Assemblies and other Firefighting Equipment-For Use With 1 1/2 inch 2 1/2 inch Hose Pipe Hanger Equipment for Fire-Protection Service
고객만족을 최우선
경영가치로 생각합니다

KFI prioritizes customer satisfaction in our administration.

 찾아가는 고객 서비스 추진
Promoting direct customer service

- 민원처리의 접수 및 결과 통보가 신속하게 이뤄집니다.
- 수수료 수납 및 세금계산서 발급이 간편합니다.
- 합격표시 불출 업무를 바로 근무 하게 이용하실 수 있습니다.
- 종합민원실을 운영하여 고객의 문의에 신속히 답변하고 있습니다.
- 노인단기 변경에 따른 각종 수수료 적용 업무를 안내하고 있습니다.
- 제조업체 대표자 간담회를 통해 정보교류, 친목도모의 장을 열어드립니다.
- CS추진조직을 구성 및 운영합니다.
- 해피콜제도 및 마스터콜 제도를 운영하여 고객에게 보다 가까이 다가갑니다.

사이버 검정 민원서비스
Cyber verification service

사이버검정민원서비스 도입으로 민원처리시간을 단축시켰습니다.
실시간 업무처리로 효율적이고 신속한 서비스를 제공합니다.

쾌적하고 유익한 상담코너 제공
Pleasant and beneficial service center

소방관련법규 및 규정 등의 자료는 물론 협업사례, 비만도측정기, 안마기, 음료코너, 신문, 잡지 등이 비치되어 있어 대기시간을 유용하게 활용할 수 있습니다.
KFI designates professional consultants for testing and inspection. Through personal visits, KFI's professional consultants provide customized service to connect clients and KFI.

- 직접방문 및 전화상담으로 항상 고객의 결에서 고객의 요구에 귀 기울입니다.
- 에로사항과 건의사항을 즉각 수렴·처리해드립니다.
- 해피콜(만원처리 결과), 고객만족 확인 서비스를 통해 결과를 알려드립니다.
- 만족도 및 청렴도 조사를 통해 서비스품질을 적극 관리합니다.
- 기술연구자료 등 유익한 정보를 상시 제공합니다.

**Service to satisfy clients**

KFI provides one-stop service to process applications, receptions, consultation results, notifications and invoice issuance, etc. Moreover, through various channels such as customer satisfaction surveys, etc., KFI is endeavoring to promptly identify and solve clients' needs.
From protecting the safety and happiness of the nation, KFI will go one step further to demonstrate greater love and deliver bigger hope.
Safety zone certification for places of business

By granting safety certificates to business premises especially in need of active fire prevention and safety measures, KFI is promoting voluntary investment in and strengthening management of fire safety facilities. Accordingly, KFI is contributing to the expansion of the safety culture.

Fire & Disaster Prevention Products PL Center

KFI has been systematically educating fire officials in special fire technology, and has spread the importance of fire safety by giving our citizens various events to learn the fundamentals of the fire safety and how to use and manage fire appliances by experience.