Korea Testing Laboratory : KTL

◦ Contact

◦ Overview

◦ History

◦ Scope of Businesses

Contact

Questions in General
Ki-Suck Lee ([email: klee@ktl.re.kr](mailto:klee@ktl.re.kr))
Susan Choi(email: susan@ktl.re.kr)

Address : 222-13, Guro 3(sam)-dong, Guro-gu, Seoul 152-718
Phone : 82-2-860-1331 / 332
Fax : 82-2-860-1285
Web site: http://www.ktl.re.kr

Overview

The Korea Testing Laboratory(KTL) is a leading testing and certification body in Korea established for the purpose of improving technology and global competitiveness of industries. KTL has been providing support for development of testing and evaluation technologies and helping companies obtain domestic and international certifications since 1966.

KTL makes a lot of effort to cooperate with advanced testing laboratories around the world and maintain favorable relationships with them so that Korean testing and certification standards can be applied in assessing the quality of products all over the world.

KTL has been earning the trust from businesses based on excellent engineering staffs and technology , and we will do our best to become one of the leading conformity assessment bodies in the world through continuous change and innovation.

History

- 1966 Founded as FIC
- 1977 Started testing services for Foreign Certification (UL, FCC..)
- 1978 Began Calibration Services first in Korea
- 1992 Became NCB/CBTL Member of IECEE-CB scheme
- 1994Started testing services for Telecommunication devices
- 1999 Renamed as Korea Testing Laboratory (KTL)
- 2000Designated as a Certification Body for EK Mark Scheme
- 2003 Began construction of KTL Ansan Center
- 2004 Opening of China Office in Guangzhou
- 2005Established EMC & Antenna testing facilities in Ansan
- 2006 Began GSM testing
- 2007 Opening of US office in Silicon valley (KTL-Americas)

Scope of Businesses

▲ Certification

- International certification services(IECEE-CB, IECQ, IECEx etc.)
- Supporting for foreign certification (CE, CSA, FCC, SASO, SEMKO, S-JQA, PSE, UL, VDE...)
- Factory inspections (CSA, JQA, VDE...)
- Running data base for worldwide standards & technical regulations (over 300,000 kinds)

▲ Testing and Evaluation

- Testing of Safety, EMC, RF, SAR and Reliability(Electrical/Electronic appliances, Telecom. devices, Components)

> ▲Safety testing of electric devices and parts: 216 electric, electronic products used in
>
>   50~1,000V<electric shock. overheating, radiation, explosion, mechanical risk, fire, etc.>
> ▲Testing of information communication appliances
> ▲Electromagnetic wave test (EMC: EMI and EMS)
> ▲Testing and inspection of medical devices
> ▲Software evaluation and certification
> ▲Reliability evaluation
> ▲Machinery testing and evaluation
> ▲Energy related testing & Energy efficiency certification test
> ▲Testing and evaluation of new renewable energy equipments
> ▲Environmental technologies testing and evaluation
> ▲Material and environmental substance analyses
> ▲Measurement and technological support for industry

- Designated testing laboratory for Certifications (KC mark, KCC mark, high energy efficiency system in Korea)
- IECEE designated CBTL for 13 categories (HOUS, LITE, MEAS, MED, OFF, TOOL, TRON, EMC, PV and more)
- Recognized testing laboratory from certification organizations around the world

▲ Calibration Service

* Providing Calibration and Testing services for measuring instruments (Full Scope)
- Time, frequency, velocity, revolution ratings, electricity (DC/AC, capacitance resistance, inductance, AC power), electromagnetic wave (attenuation, RF impedance, RF voltage and RF power), optical fiber in scope of the electrical measuring instruments

▲ Accreditation Service

* International
- NCB/CBTL for IECEE-CB Scheme (Safety & EMC 13 Categories)
- FCC part 68 registration & IC-03 designation (Telecom.)

- Hazardous Substances Process Management (HSPM) Systems(QC 080000) by IECQ
- ExCB and TL for IECEx scheme
- Concluding MoUs with 79 organizations in 37 nations.

* Domestic
- Certification Body for Electrical Appliance (Safety & EMC)
- KCC designated Testing Lab. (RF, Telecom, SAR, EMC, Safety)
- KOLAS accredited Testing & Calibration Laboratory
- KOLAS RoHS testing laboratory

▲ Participating in the national R&D projects related with testing and evaluation

▲ Global technical support for SMEs (Small and Medium Enterprises)

▲ Technical training

- KOLAS training courses for engineers and assessors
- General training programs (e.g. IECQ-HSPM lead assessor course, etc.)
- Providing information on testing and certification