

Global certification is necessary to compete in today's modern world

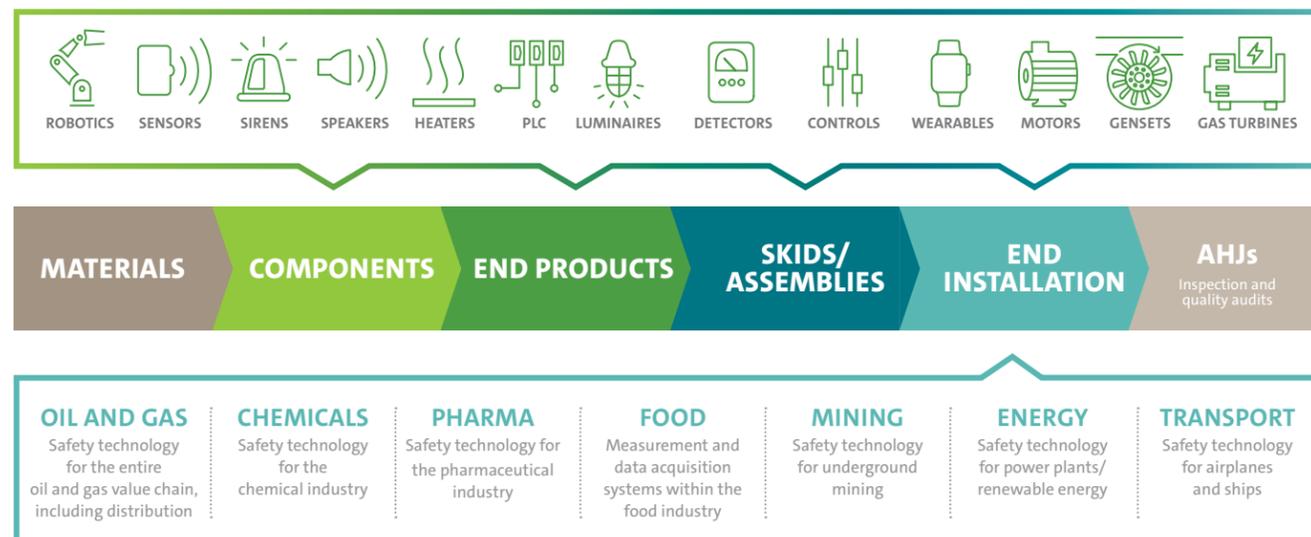
The hazardous locations industry is challenged to design and produce safe, reliable, energy efficient and innovative products to be installed in potentially explosive atmospheres for the oil and gas, petrochemical, pharmaceutical, food, mining and transportation industries. In this competitive market, global expansion complicates this daunting task by requiring manufacturers not only to identify and understand global certification requirements but also to apply them to their innovations. To compete in today's modern world, manufacturers need to innovate safely, mitigate risks and access global markets. UL can help in this journey as a global leader in hazardous locations and explosion protection certification, testing, inspection and research.

For example, some regions may require a local certification mark while other parts of the world may use harmonized certification systems such as the ATEX Directive and IECEx Systems. UL's specialty is to provide global certification solutions with a road map for market acceptance in each region of the world. Our industry leadership and technical expertise translates into actionable business efficiencies for our customers. As your partner, we can provide a single-source solution for combined product evaluation, testing and production audits, which minimizes compliance and regulatory delays—enabling you faster speed to market.

To help facilitate quicker turnaround time on projects for customers, our global HazLoc lab has been designed with automation implementation. Watch our video at UL.com/HazLoc to see how we help our customers get to market faster.

UL offers the following services: testing, certification, advisory, validation, audits and training

HAZLOC SUPPLY CHAIN



Certifications for global market access

Leverage UL's relationships and brand recognition with local certification staff to help understand local regulations and obtain local certification marks using your UL, C-UL, INMETRO, ATEX or IECEx certifications. If your business takes you to other regions of the world, UL can help.

UL is one of the top issuers of global ATEX and IECEx certifications. This supports acceptance of your UL-issued certificates, test reports and quality audits for local country marks around the globe. The UL brand is highly recognized and accepted by certifiers, installers and regulators in local, regional or international markets.

Explosion protection global certification

Region/country	Solution	Regional information	Installation principles and surveillance	UL service offerings for Global Market Access
International		The UL Mark is recognized and accepted in countries around the world as confirmation of third-party certification to explosion protection and safe area requirements. Safe area requirements include the risks of fire, electric shock and personal injury hazards.	1, 2	
		The IECEx System is intended to facilitate international trade for equipment and services used in explosive atmospheres. Third-party certification under the IECEx System only addresses explosion protection requirements.	3	
North America	United States	The UL Mark is recognized and is accepted in the USA. The Certification Mark is based on OSHA and ANSI accreditation.	1, 2	
	Canada	The C-UL Mark is recognized and accepted in Canada. The Certification Mark is based on Canadian standards.	1, 2	
	Gulf of Mexico	This region of the world accepts UL division/zone-based and IECEx certification. Certification is mandated by CFR and API installation documents and regulated by BSEE and USCG.	1, 2	
	3			
Latin America	Brazil	The INMETRO Ordinance 179:2010 sets the rules for electrical and electronics equipment to be used in hazardous locations. To sell products in Brazil, manufacturers need to apply for this certification.	3	
	Mexico	Division-based certifications are widely accepted.	1, 2	
Europe	EU/EFTA	The ATEX Directive helps ensure the free movement of goods throughout the EU and EFTA by harmonizing compliance procedures for explosion-protected equipment. The European Union must comply with the ATEX Directive European Directive 2014/34/EU.	3	
	North Sea	The ATEX Directive helps ensure the free movement of goods throughout the European Union by harmonizing compliance procedures for explosion-protected equipment. The European Union must comply with the ATEX Directive European Directive 2014/34/EU.	3	
	Eurasian Economic Union	The EAC Mark is a product marking to indicate that explosion-protected products conform to all technical regulations of the Eurasian Economic Union assessment procedures, including TR CU 012/2011.	3	
Africa/Middle East	South Africa SANAS	An IECEx certificate may be used to obtain local SABS or MASC certification.	3	
	Saudi Arabia SASO	A Certificate of Conformity (CoC) issued by a SASO-authorized certification body, such as UL, provides entrance into Saudi Arabia based on IECEx Certificate.	3	
	UAE ECAS-Ex	UL is a certification body in the United Arab Emirates and can issue ECAS-Ex certificates.	3	
Asia Pacific	China	Chinese certification is required in order to gain access for HazLoc products to the People's Republic of China. IECEx certificates and associated test reports can be used to obtain a Chinese certification.	3	
	Japan TIIS	The Certification Label for Ex equipment in Japan indicates conformity to TIIS certification. A test report issued by an ExCB under the IECEx system will be accepted in accordance with the rules of the IECEx system. The term of validity of a TIIS certificate on Ex equipment is zv.	2	
	Taiwan	The Safety Label for Ex equipment in Taiwan indicates conformity to Taiwan national standards (CNS) and completion of official registration scheme by Ministry of Labor, Taiwan government. All Ex equipment shall acquire a Safety Label prior to importation, sales, distribution, installation or operation in Taiwan. Ex luminaires, electrical rotating machines, and switch panels/gears are mandatory to obtain Type Verification Approval Certificates by local Notification Body prior to the registration.	3	
	Korea	The Safety Label for Ex equipment in Korea indicates conformity to Korea national standards (KS) and completion of the official registration scheme by the Ministry of Labor, Korean government. It is currently the mandatory requirement that all Ex equipment shall acquire a safety label prior to import to sell, distribute, install or operate in Korea. A UL-branded IECEx test report may be used as a basis for local certification.	3	
	Singapore	IECEx and UL certification may be used.	1, 2, 3	
	Australia/New Zealand	IECEx certification may be used as a basis for local certification (ANZEx Scheme).	3	

Installation principles and surveillance: **1** – Division-based certification/Production inspections **2** – Zone-based certification/Production inspections **3** – Zone-based certification/Quality assessment

If access is needed for a county not listed above, we can help by leveraging our global accreditation and relationships.

Information may be subject to change due to evolving regulations.

Service offerings for Global Market Access

UL conducts research, testing, certification, validation, audits and training.

UL helps simplify entry into global markets by bundling product testing and certification services to meet the requirements of a diverse market's standards and regulations. Regardless of your location, UL can provide a single, streamlined process that helps reduce administrative and project management costs, accelerating your Global Market Access.

A Quality system audits

Combine IECEx, ATEX, INMETRO, CCC audits and EAC surveillance audits to save time and money with one audit.

- IECEx System
- ATEX Directive (2014/34/EU)
- INMETRO
- EAC
- IECEx and ATEX Repair Facility
- CCC

C Hazardous location (explosion protection) certification and testing

Help ensure global market access with the trusted and recognized UL brand.

- UL, C-UL*
- IECEx
- ATEX
- INMETRO
- RETIE
- Functional Safety
- Non-Electrical
- SASO Certificates
- MSHA Assistance
- CCC Assistance

* Supported by production inspections four times per year.

CC Certification solutions for custom equipment

Obtain Unit Verification or Limited Production Certification (LPC) at your facility or another location, including an inspection of the equipment, component information and UL certification.

- Field evaluation
- IECEx and ATEX Unit Verification
- Offshore Certification
- LPC
- UL Mark panel program
- IECEx and ATEX panel program
- CCC unit verification assistance

M Motors

Comply with today's rotating machinery requirements for a comprehensive global market access solution.

- Global Safety Certification
- Global Explosive Atmosphere Certification
- SASO Certification
- Global Energy Efficiency Certification and Assistance Submitting to the U.S. Department of Energy (DOE)
- Notified Certification Body (NCB) for Global Motor Energy Efficiency
- IEC 60034-1 Rotating Machinery
- Marine Assistance
- Motor Drive Certification
- Rebuilder Programs

T Training and education

Leverage our expertise to support your technical needs.

- IECEx Personnel Competence
- IECEx Recognized Training Provider (OD521)
- Public Workshops
- Private Workshops
- Online Modules

O Ordinary locations/ Safe area services

Ordinary locations services may vary depending on the type of equipment or in-country requirements and are required in addition to hazardous locations requirements. For example, industrial control equipment may need compliance with ordinary location requirements in accordance with the harmonized 61010 series of standards.

- Type Examination Certificates
- SASO Certificates
- Wireless
- EMC
- UL-EU
- Energy efficiency
- CE assistance

Speed your time to market



HazLoc app

By having UL's technical expertise at their fingertips, UL's mobile app benefits designers, manufacturers, distributors, inspection and regulatory AHJs, and end-users across oil and gas, chemical, agricultural, pharmaceuticals, offshore and mining industries. This comprehensive source for installation principles, including the ability to find the needed standards and competencies, is available in: English, Simplified Chinese, Traditional Chinese, German, Portuguese and Spanish.



Or Search for "UL HazLoc"

Installation principles for explosive atmospheres:

- Types of explosive atmospheres
- Likelihood explosive atmosphere is present
- Ignition-related properties of atmospheres
- Temperature classifications
- Methods of explosion protection
- Markings required by national/regional regulations
- National, regional and international standards
- Ingress Protection (IP) codes and type ratings
- Available in: English, Simplified Chinese, Traditional Chinese, German, Portuguese and Spanish

UL.com/HazLocApp

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Why UL for Hazardous Locations?

UL drives global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. UL's global network of technical experts and state-of-the-art facilities—along with our long-standing relationships with regulatory authorities, partner laboratories and industry technical leaders—helps manufacturers gain the compliance credentials they need to compete in a more complex global supply chain. Leverage our global brand acceptance and trust to add value to your innovations.

- IECEx
- INMETRO
- MSHA
- ATEX
- NEC/CEC
- PED
- ECASEX
- US Coast Guard
- AHJs
- BSEE
- HSE
- Maritime authorities

Global certification systems

Inspection and regulatory authorities

Codes and standards committees

- IECEx
- IEC/TC 31
- CLC/TC 31
- ExNBG
- NEC
- NFPA
- UL STP
- NBR

End users

- Oil and gas
- Chemicals
- Pharma
- Food
- Mining
- Energy
- Transport

Manufacturers

- Sensors
- Robotics
- Wearables
- Controls
- Detections
- Sirens
- Speakers
- Heaters
- PLC
- Luminaires
- Motors
- Gensets
- Gas turbines



Single-source provider – UL's global family of certification staff around the globe can help save you time and money with a single, local point of contact for your global certification needs.

Knowledge and speed – We have technical expertise versed in all protection methods with comprehensive industry knowledge. So, through early engagement, manufacturers can develop a risk mitigation plan with a partner they can trust – this can help speed time to market. Engineers perform Quality Audits, bringing a higher level of technical competency to the audits. With a U.S.-based Certification Officer (CO) on staff, certification time is reduced.

Global Market Access – Leverage UL's active participation and leadership in the global standards writing process. You can benefit with faster time to a global marketplace with the UL certification process. Not only do we understand the requirements – we helped develop them. In fact, we participate in over 50 standards writing committees, such as: TC31 (IECEX), STP (North America), NFPA, API and BSEE and CFR committees.

UL works globally with stakeholders to empower trust and help navigate market complexity, driving innovation through science today and tomorrow.

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