Hazardous locations
explosion protection
services
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 & gas, petrochemical, pharmaceutical, food, mining and transportation industries. In this competitive market, global expansion complicates this daunting task by requiring manufacturers to not only 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 leader in global hazardous locations and explosion protection certification, testing, inspection, and research.

For example, some regions of the world 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 roadmap 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 while keeping the essential wheels of your business turning.

UL offers the following services: testing, certification, advisory, validation, audits and training
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. UL has a memorandum of understanding or letter of intent with many local organizations to ease your market access. If your business takes you to other regions of the world, UL can also 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

<table>
<thead>
<tr>
<th>Region/Country</th>
<th>Solution</th>
<th>Regional Information</th>
<th>Installation Principles &amp; Surveillance</th>
<th>UL Service Offerings for Global Market Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>International</td>
<td>The UL Mark</td>
<td>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 from fire, electric shock and personal injury hazards.</td>
<td>1, 2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td></td>
<td>The IECEx System</td>
<td>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.</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States</td>
<td>The UL Mark</td>
<td>The UL Mark is recognized and is accepted in the USA. The Certification Mark is based on OSHA and ANSI accreditation.</td>
<td>1, 2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>The C-UL Mark</td>
<td>The C-UL Mark is recognized and accepted in Canada. Certification Mark is based on Canadian Standards.</td>
<td>1, 2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gulf of Mexico</td>
<td></td>
<td>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.</td>
<td>1, 2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brazil</td>
<td></td>
<td>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.</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mexico</td>
<td></td>
<td>Division based certifications are widely accepted.</td>
<td>1, 2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eurasian Economic Union</td>
<td>The EAC Mark</td>
<td>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.</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>South Africa</td>
<td>SANS</td>
<td>An IECEx Certificate may be used to obtain local SABS or MASC certification.</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>SASO</td>
<td>A Certificate of Conformity (CoC) issued by a SASO-authorized certification body, such as UL, provides entrance into Saudi Arabia based on IECEx Certificate.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
<td>Chinese certification is required in order to gain access for HazLoc products to the People's Republic of China. ATEX and IECEx certificates and associated test reports can be used to obtain a Chinese certification.</td>
<td>3</td>
<td>C</td>
</tr>
<tr>
<td>Japan</td>
<td>TIS</td>
<td>The Certification Label for Ex equipment in Japan indicates conformity to TIS 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 TIS certificate on Ex equipment is three years.</td>
<td>2</td>
<td>C C C M T O</td>
</tr>
<tr>
<td>Taiwan</td>
<td></td>
<td>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. It is currently the mandatory requirement that all Ex equipment is required to acquire a safety label prior to importation, sales, distribution, installation or operation in Taiwan.</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td>Korea</td>
<td></td>
<td>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, sell, distribute, install or operate in Korea. A UL branded IECEx test report may be used as a basis for local certification.</td>
<td>3</td>
<td>C C M O</td>
</tr>
<tr>
<td>Singapore</td>
<td>IECEx and UL</td>
<td>IECEx and UL certification may be used.</td>
<td>1, 2, 3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td>Australia/</td>
<td>IECEx certification</td>
<td>IECEx certification may be used as a basis for local certification (ANZEx Scheme).</td>
<td>3</td>
<td>A C C M T O</td>
</tr>
<tr>
<td>New Zealand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Installation Principles & Surveillance:**

1. Division Based Certification/Production Inspections
2. Zone Based Certification/Production Inspections
3. Zone Based Certification/Quality Assessment

*Information may be subject to change due to evolving regulations.*
Service offerings for global market access

CONDUCTS RESEARCH, TESTING, CERTIFICATION, VALIDATION, AUDITS AND TRAINING

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

A QUALITY SYSTEM AUDITS
Combine IECEx, ATEX, INMETRO 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

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 & Assistance Submitting to the US 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

C HAZARDOUS LOCATION (EXPLOSION PROTECTION) CERTIFICATION & 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

* Supported by production inspections 4 times per year.

T TRAINING & EDUCATION
Leverage our expertise to support your technical needs.

- IECEx Personnel Competence
- IECEx Recognized Training Provider (ODS21)
- Public Workshops
- Private Workshops
- Online Modules

C CERTIFICATION SOLUTIONS FOR CUSTOM EQUIPMENT
Obtain Unit Verification or LPC at your facility or another location, including an inspection of the equipment, component information and UL certification.

- Field Evaluation
- IECEx & ATEX Unit Verification
- Offshore Certification
- Limited Production Certification (LPC)
- UL Mark Panel Program
- IECEx & ATEX Panel Program

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 location 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
By providing UL’s technical expertise at your fingertips, UL’s mobile app benefits designers, manufacturers, distributors, inspection & regulatory authorities (AHJs), and end-users across oil & gas, chemical, agricultural, pharmaceuticals, offshore, and mining industries. This one comprehensive source for installation principles is available in: English, Simplified Chinese, Traditional Chinese, German, Brazilian Portuguese and Spanish.

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

HazLoc App

The Apple logo and iTunes are trademarks of Apple Inc. Android, Google Play and the Google Play logo are trademarks of Google Inc.
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 longstanding 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.

Global Certification Systems
- IECEx
- INMETRO
- MSHA

Inspection & Regulatory Authorities
- ATEX
- NEC/CEC
- US Coast Guard
- Local AHJ
- BSEE
- HSE
- Maritime Authorities

Codes & Standards Committees
- IECEx
- IEC/TC 31
- CLC/TC 31
- ExNBG
- NEC
- NFPA
- UL STP
- NBR

End Users
- Oil & Gas
- Chemicals
- Pharma
- Food
- Mining
- Energy
- Transport

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

Empowering Trust™
**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 & Speed** — We have technical expertise versed in all protection methods with comprehensive industry knowledge that translates into actionable business efficiencies for our customers to 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.*
EUROPE

**Denmark**
T: +45.44.85.65.65  
E: EnergyControls.EU@ul.com

**France**
T: +33.1.60.19.88.00  
E: EnergyControls.EU@ul.com

**Germany**
T: +49.69.489810.0  
E: HazLoc@ul.com

**UL TTC**
T: +49.2151.883324  
E: EnergyControls.EU@ul.com

**Italy**
T: +39.039.6410.101  
E: EnergyControls.EU@ul.com

**Poland**
T: +48.22.336.33.39  
E: EnergyControls.EU@ul.com

**Spain**
T: +34.93.368.13.00  
E: EnergyControls.EU@ul.com

**Sweden**
T: +46.8.795.4370  
E: EnergyControls.EU@ul.com

**The Netherlands**
T: +31.26.376.4800  
E: EnergyControls.EU@ul.com

**United Kingdom**
T: +44.1483.302.130  
E: EnergyControls.EU@ul.com

MIDDLE EAST

**Dubai**
T: +971.4.558.5900  
E: ULMiddleEast@ul.com

AMERICAS

**Argentina**
T: +54.11.4316.8200  
E: info.ar@ul.com

**Brazil**
T: +55.11.3049.8300  
E: hazloc.br@ul.com

**Canada**
T: +1.866.937.3ULC, 1.866.937.3852  
E: customerservice.ca@ul.com

**Colombia**
T: +57.1.745.8603  
E: info.colombia@ul.com

**Mexico**
T: +52.55.3000.5400  
E: info.mx@ul.com

**United States**
T: 877.UL.HELPS, 1.877.854.3577  
E: HazLoc@ul.com

ASIA PACIFIC

**Australia**
T: +61.3.9846.2751  
E: CustomerService.ANZ@ul.com

**China**
E: customerservice.cn@ul.com

**Guangzhou**
T: +86.20.3213.1000

**Shanghai**
T: +86.21.6137.6300

**Suzhou**
T: +86.512.6808.6400

**Hong Kong**
T: +852.2276.9898  
E: customerservice.hk@ul.com

**India**
T: +91.80.4138.4400  
E: sales.in@ul.com

**Indonesia**
T: +62.21.266.909.08/09  
E: sales.id@ul.com

**Japan**
E: customerservice.jp@ul.com

**Ise**
T: +81.596.24.6717

**Tokyo**
T: +81.3.5293.6000

**Korea**
T: +82.2.2009.9100  
E: customerservice.kr@ul.com

**Malaysia**
T: +603.5632.5922  
E: sales.my@ul.com

**New Zealand**
T: 64.3.940.4400  
E: customerservice.nz@ul.com

**Philippines**
T: +63.2.559.8168  
E: sales.ph@ul.com

**Singapore**
T: +65.6274.0702  
E: sales.sg@ul.com

**Taiwan**
T: +886.2.5559.8168  
E: CustomerService.tw@ul.com

**Thailand**
T: +662.106.9600  
E: sales.th@ul.com

**Vietnam**
T: +84.28.6256.3979  
E: sales.vn@ul.com

UL.com/HazLoc
1.877.ULHELPS (1.877.854.3577)

UL, the UL logo and UL certification marks are trademarks of UL LLC© 2019. All other marks are the property of their respective owners.