



شرکت آزمایشگاه‌های صنایع انرژی

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Introduction

EPIL is a leading testing, inspection, and certification company with over 23 unique laboratory and testing facilities.

With expertise built on almost 23 years of experience, our team of more than 100 engineers and technical experts is widely recognized in Iran and the Middle East.

Through our modern testing facilities, we provide organizations with measurement, inspection, testing, certification, and professional training services for the global power industry.

Technical innovation is central to our activities. We deliver innovative yet practical solutions to address the electricity-related challenges of modern equipment and processes. Notably, EPIL's close collaboration with universities makes its research and training services unique in Iran.

EPIL is equipped with advanced technology and employs well-trained, knowledgeable staff specializing in Ex, IP, safety, low voltage, high voltage, temperature rise, EMC, and environmental tests.

EPIL demonstrates its competence as an accredited product certification body under ISO/IEC 17065 (traceable to IAF) and as an accredited laboratory under ISO/IEC 17025 (traceable to ILAC).

Additionally, network laboratory management is another service offered by EPIL to its customers.

Company Structure

EPIL's product certificates and test reports are widely recognized by utilities and electromechanical manufacturers and serve to verify:

- Product conformity to standards
- Functionality of new product designs
- Compliance with safety requirements and EU guidelines, as a prerequisite for obtaining the CE mark
- Compliance with quality requirements

A significant benefit of testing at EPIL is its role in facilitating access to the Iranian market.

Meanwhile, EPIL, in cooperation with credible notified bodies such as IMQ of Italy, offers the following international services:

- ATEX Certification (Testing and Auditing)
- CE Marking (e.g., EMC Directive compliance)

EPIL laboratories hold ISO/IEC 17025 accreditation for electrical equipment used in oil, gas, power, and telecommunication industries. The scope includes switchgears, luminaires, disconnectors, transformers, meters, cables, electric machines, busbars, and household appliances.

Other accreditations include:

- Calibration center certificate
- Inspection body certificate
- EMC and safety accredited laboratory in accordance with EU directives
- ATEX accredited laboratory in accordance with EU directives



EPIL is also certified as a product certification body by NABCB, an IAF member accreditation body. Applicants can obtain internationally traceable certificates for individual products, product groups, and mass production lines.

2. Professional Training

With 23 years of expertise in standardization, EPIL organizes training courses covering a wide range of topics in product development and standard compliance.

3. Laboratory Network Management

Thanks to its extensive international partnerships with European and Asian laboratories, as well as its branches in Austria and Turkey, EPIL manages testing services for requirements not currently available in Iran.

EPIL's international laboratory management services include:

- Receiving technical proposals and quotations from international labs
- Managing test fees and logistics for test equipment
- Supervising tests and presenting comprehensive test reports or compliance certificates



ISO/IEC 17065 Accredited CB
PC 028



ISO/IEC 17025 Accredited Lab
AAC.T.00289



IECEx-ExCB



IECEx-ExTL



IECEE-CB



National Accreditation Center of Iran
NACI/LA/208 NACI/PCB20

EPIL Laboratory Scope:

General Laboratories			
1	EMC	6	Tan δ & Partial Discharge (PD)
2	High Voltage (HV)	7	Safety
3	Explosion Proof	8	Software
4	IP	9	Temperature Rise
5	Environmental	10	On-site
Professional Laboratories			
1	Compact Post & Switchgear	15	Telecommunication equipment
2	Bus Duct	16	Smart meter
3	Power plant busbars	17	Smart meter modem
4	Cable & Accessories	18	RTU
5	Rotating electrical machines	19	Household and similar electrical appliances
6	Distribution transformer, CT, VT	20	IT equipment
7	Disconnecter & Circuit breaker	21	Audio & Video similar appliance
8	Insulators & Bushings	22	Water meter
9	Capacitors & Reactors	23	Lighting (LED & Luminaires)
10	MCCB & Miniature switch	24	Relay
11	Fuse & Cut-out fuse	25	Insulating matting
12	Medium voltage cable	26	Network cable & Coaxial cable
13	Explosion proof equipment	27	Solar panel
14	Medical equipment		

EPIL Inspection Scope:

Inspection	
1	Road Vehicles Inspection
2	Hazardous Area Inspection
3	Electrical Product Inspection



Certification Body



EPIL demonstrates its competence as an accredited product certification body under ISO/IEC 17065 (traceable to IAF).

Certification services include:

- SIL Certification
- IECEx Testing and Certifications.
- HazLoc Testing and Certification (IR-Ex).
- Medical Equipment Testing and Certification.
- EMC Testing and Certification.
- Product Quality Management.
- Renewable Energy Testing and Certifications.









EPIL can issue various types of certificates either independently as an accredited certification body or in collaboration with its European partners.

EPIL has a longstanding collaboration with verified and reputed notified bodies.

EPIL Certification Services

EPIL can provide different type of certificates either independently as an accredited certifications body or with the cooperation of European partners.

EPIL has been collaborated with verified and reputed Notified bodies for many years.

NO	Type of Certificate			Certification body
1	Explosion Proof	IR-Ex		EPIL
		ATEX		IMQ
		IECEx		EPIL
2	Electrical Equipment	IR-CE		EPIL
		CE Marking		IMQ
		IECEE		EPIL
3	SIL	SIL1, SIL2, SIL3, SIL4		EPIL
4	Renewable Energy	IECRE (Under Process)		EPIL

ISSUING CE MARK

What is the CE Mark?



CE Certification - Ensuring Quality and Safety Across Borders

CE marking signifies that a product complies with the relevant standards of the European Union, ensuring quality, safety, and environmental protection. It is a recognized certificate that allows products to be freely marketed across the EU and other regions.

Key Advantages of Obtaining CE Certification:

Products bearing the CE mark can be sold in EU countries, as well as in markets near the Persian Gulf and neighboring countries of Iran, without restrictions.

It increases customer confidence in the quality and safety of the product.

It provides a competitive edge for manufacturers in both domestic and international markets.

It simplifies participation in public and private tenders where CE certification is required.

Why Obtain Your CE Certificate Through EPIL?

Traditionally, acquiring a CE certificate required engaging directly with European bodies, which was often costly and time-consuming.

EPIL has addressed this challenge by becoming accredited by a recognized European Notified Body (NB). As a result, EPIL can now facilitate the certification process locally, saving manufacturers both time and expense.

EPIL acts as an authorized representative of a valid European NB and has undergone all necessary audits and approvals. This enables manufacturers to receive a valid CE certificate through EPIL efficiently and reliably.

In the diagram below, you can see the step-by-step process of acquiring a CE certificate through EPIL, in partnership with a certified European NB.



Explosion-Proof Laboratory

Explosive atmospheres may result from flammable gases, mists, vapors, or combustible dust. Preventing the release of dangerous substances and eliminating ignition sources are key to mitigating explosion risks.

The ATEX directive specifies requirements for equipment and environments in potentially explosive atmospheres.

EPIL has established a state-of-the-art ATEX laboratory capable of testing and certifying equipment in accordance with ISO/IEC 17025.

Our ATEX capabilities include testing for:

- Flameproof Enclosures (Ex d)
- Increased Safety (Ex e)
- Non-Sparking (Ex nA)
- Pressurized Enclosures (Ex p)
- Oil Immersion (Ex o)
- Intrinsically Safe (Ex i, upcoming)



EPIL collaborates with European notified bodies to issue EU Type Examination Certificates and Quality Assurance Notifications.

IECEX Certified by EPIL

At Energy and Power Industries Laboratories Co. (EPIL), ensuring international safety and quality standards is our top priority – especially for industries operating in hazardous areas. We are proud to be officially recognized by the IECEX System, the world's leading framework for certifying equipment and services used in explosive atmospheres.

EPIL has been accredited with two key roles:

IECEX Testing Laboratory (ExTL):

EPIL is authorized to conduct testing on explosion-protected equipment (both electrical and non-electrical) based on IEC 60079 standards. Our test results are internationally recognized, ensuring seamless global market access for manufacturers.

IECEX Certification Body (ExCB):

As a certified ExCB, EPIL is empowered to review test data, assess conformity, and issue official IECEX Certificates – providing a full certification service under one roof.

These accreditations, awarded in Geneva, Switzerland – September 2023, make EPIL one of the few institutions in the region with both ExTL and ExCB qualifications, enabling us to serve clients with unmatched technical capability and efficiency.

Whether you need testing, certification, or expert guidance in explosion protection, EPIL is your trusted international partner.



IECEE Certified by EPIL

We are proud to announce that Energy and Power Industries Laboratories Co. (EPIL) has been officially accepted as a National Certification Body (NCB) within the IECEE CB Scheme – the world's leading system for mutual recognition of test reports and certifications for electrical and electronic equipment.

This prestigious recognition, issued on April 1st, 2025, affirms that EPIL meets the stringent requirements of ISO/IEC 17065:2012 and all relevant IECEE rules and procedures. As a Recognizing-Only NCB, EPIL is now authorized to accept and validate CB Test Reports in line with IEC international standards.

What This Means for Manufacturers

With its IECEE membership, EPIL supports clients in:

- Accelerating global market access for certified products
- Avoiding the cost and delays of repeated testing in multiple countries
- Ensuring full compliance with internationally accepted safety and performance standards

A Reliable Certification Partner

This achievement places EPIL among a select group of globally trusted certification bodies and strengthens its role as a strategic partner for manufacturers, importers, and exporters in Iran and beyond. Our expert team is ready to assist clients in navigating the complex international compliance landscape with confidence and efficiency.

Certification Body:



IAF traceable ISO/IEC 17065 Certificate

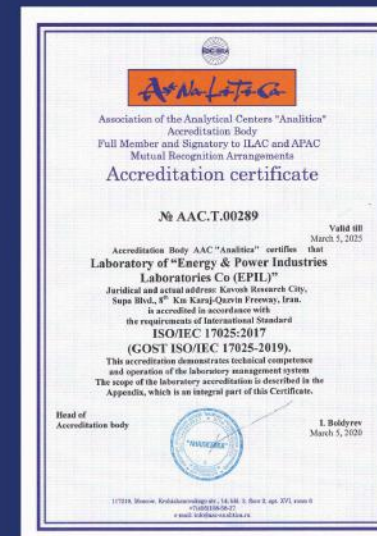


National ISO/IEC 17065 Certificate

Certification Lab:



National ISO/IEC 17025 Certificate



ILAC traceable ISO/IEC 17025 Certificate



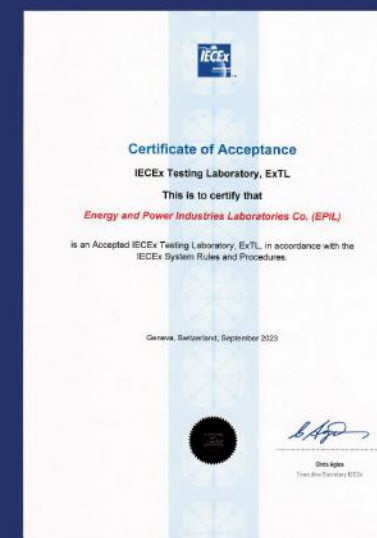
IECEx ExCB Certificate



IECEE Recognizing only National Certification Body (NCB) Certificate



IMQ Certificate (Ex)



IECEx ExTL Certificate

Local Certification for Electrical Products in Iran

In Iran, all imported and many locally manufactured electrical and electronic products must obtain a Local Certificate of Conformity before entering the market or being displayed publicly. This certification ensures compliance with Iranian national standards and guarantees product safety and performance.

Energy and Power Industries Laboratories Co. (EPIL), accredited to ISO/IEC 17025, is authorized to issue local certificates for a wide range of electrical products – including household appliances, power components, lighting, control systems, communication devices, and renewable energy equipment.

EPIL provides a comprehensive certification process that includes technical documentation review, product testing, and optional on-site inspection, helping manufacturers and importers achieve fast and reliable access to the Iranian market.

