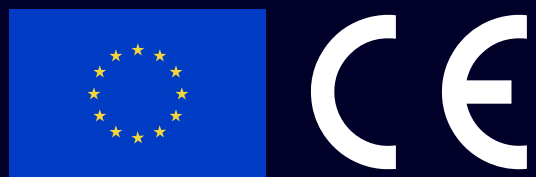




Export to European Union Countries



One Stop Solution.

How we work

Document Costistency



Risk
Assessment

1



Test
Report

2



Instruction
Manual

3



Technical
File

4



CE
Mark

5



DoC
CoC

6

LEGAL FRAMEWORK

AC&E and the Authorized Representative Service: Exporting to Europe from Non-EU Countries under the New Regulation 2019/1020

The new Regulation 2019/1020 aim is to overview any product entering the European market.

Since July 16, 2021, non-EU manufacturers can no longer export goods into the EU-without first, appointing and identifying an Authorized Representative or Mandatary.

Additionally, all documentation proving the product's CE conformity must reside within the European Union.

The regulation identifies four entities that can act as economic operator; each of them, shall **BE ESTABLISHED IN THE EUROPEAN UNIONS**

- A manufacturer
- An importer
- An authorized representative
- A logistic service provider if no manufacturer, importer or authorized representative has been established in the Union.

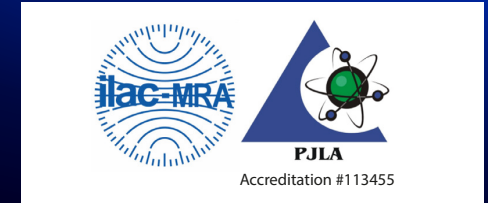
Key European Directives to import into the EU Market:

Our services for this market comply with the main European Directives:

- 2006/42/EC Machinery Directive
- 2014/35/EU Low Voltage Directive
- 2014/30/EU EMC Directive
- 2014/34/EU ATEX Directive
- 2014/68/EU Pressure Equipment Directive "PED"

TECHNICAL SUPPORT

We are a team of expert and interdisciplinary engineers assisting companies interested in exporting to European Union Countries.



One key aspect of the regulation is to ensure consistency across all the required documents, to meet strict conformity to the law and technical standards.

Every product entering European custom must be accompanied by a set of documents, which need to be fully compliant with applicable regulations. These documents include:

- Risk assessment and evaluation according to EN/ISO 12100
- Verification and calculation of Performance Level according to EN/ISO 13849-1 and SIL according to EN/IEC 62061
- Electrical verification according to EN 60204-1
- Software validation EN/ISO 13849-1/2
- Lighting Testing
- Phonometric Testing
- Laser Verifications
- Field Testing EMC
- Accredited Tests' Report ISO 17025
- ATEX Verification
- PED Verification
- Instruction Manual
- Technical file
- Product Label
- DoC Declaration of Conformity
- CoC Product Certifications

AC&E supports industrial machinery manufacturing companies through every stage of this process, ensuring that all documentation is accurate and complete, helping to prevent delays or products' held up at custom.

ATEX (Hazardous Location)

We are a NANDO Notified Body (NB 3024) for the ATEX Directive 2014/34/EU.
With our laboratory, we can perform specialized testing for dust characterization.

Some of the laboratory tests we can perform:

Grain size distribution curve

Experimental diagram generated after the sample material goes through sieving or sedimentation.

Hartmann tube screening

Testing the explosive properties of industrial dust in various air-fuel mixture ratios.

Layer Ignition Temperature (LIT)

Exposing a layer of material to a hot plate and determining the temperature at which combustion occurs.

Minimum ignition temperature (MIT)

The lowest temperature at which a surface in contact with an explosive mixture of combustible dust and air can ignite the mixture.

Dust Conductivity

To determine conductivity, the dust is placed in a standardized instrument to measure its resistivity value.

Explosion Characteristics

Potentially explosive dusts can be characterized in detail using the 20-liter sphere method. Key parameters defined include: K_{st}, P_{max}, LEL, and MIE.

ISO 17065
ATEX NB 3024



AC&E Cyber Security Division

Our Cyber team, specializing in Operational Technology, can assist you with analysis, solutions, and testing to ensure compliance with the latest international cybersecurity requirements for the industrial and IoT sectors, fully aligned with the NIST framework and NIS 2 directive, including:

- Cybersecurity assessment conducted on the connected system to determine the vulnerabilities to Cyberattacks
- Risk Assessment by IEC 62443
- Vulnerability assessment
- Penetration test
- Gap Analysis
- Compliance with ISO 27001



ISASecure®
Certification Body ISA/IEC62443



AC&E Laboratory

Test and services

AC&E is an ISO/IEC 17025 accredited laboratory by PJLA, accreditation number #113455 and certificate #L23-279.

All tests are carried out with full compliance instrumentation calibrated annually.

New accreditation targets for tests and verifications required by the global market are met every year, and being part of the ILAC-MRA circuit, all our accredited reports are internationally recognised.



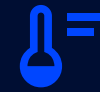
Electrical Test

Engine tests are conducted under real-world conditions, as well as tests on electrical panels and industrial machinery.



ARC Flash

This test validates the response time of the main switch on the panel in the event of an electrical arc.



Temperature Test

Based on the client's needs, we can perform temperature tests in a chamber or climatic cell.



Flammability Test

The Glow Wire Test and flame test are conducted to evaluate the fire behavior of plastic materials.



EMC Test

We can perform electromagnetic compatibility tests in an anechoic chamber or at the client's site, thanks to our mobile laboratory.



Cyber Security

Vulnerability Assessment and Penetration Testing for OT security in compliance with ISA 99/IEC 62443 standards.



Sound Level Test

Tests are performed on components in a clean room environment and on-site on industrial machinery.



Tests On Guards

The resistance of industrial machine guards is verified to ensure they can withstand impacts originating from hazardous areas.



IP Tests

Verification of the resistance of products and electrical panels to dust and liquids, ensuring compliance with international protection standards.



Your reliable international partner
for safety and industrial machinery certifications.



AC&E s.r.l.

Verona, Via Del Perlar 37/A 37135
+39 045 8200894
www.ac-e.com



AC&E North America Inc.

New York, Empire State Building 350
Fifth Avenue, 41st, Floor 10118
941 780-2110
www.acenorthamerica.com



ACE Do Brasil Consultoria e Seguranca

Rua Benedito Osvaldo Lecques, 51, sala 701,
Aquarius, São José dos Campos
+55 123 209 0062



Advanced Consulting & Engineering Iberia, S.L.

Alicante, Av. Salamanca 15, Entresuelo B, 03005
+34 637 019 778
www.aceiberia.es



ACE Advisory (Shanghai) CO. LTD.

Room B-07, 9th Floor, N. 1 Lane 129, Datian
Road, Jing'an District, Shanghai



Thank you for your attention.

For more information:



Monica Viazzo

International Business Development

✉ monica.viazzo@ac-e.com

🌐 ac-e.com