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CE Mark “Step By Step” Procedure

Machinery and Industrial Equipment and Controls

This type of equipment includes all types of industrial equipment, machinery, control equipment, and other electrical and electronic devices used in an industrial environment. Inclusion of wireless interfaces or monitoring capabilities increases the regulatory burden for CE compliance.

The first step is to call us at 1-847-537-6400.

We will help you:

1. Determine which directives your equipment will need to meet based on its function and intended use. This review would include consideration for the following directives for applicability
 - a. Electromagnetic Compatibility Directive (EMC) 2014/30/EU
 - b. Low Voltage Directive (LVD) 2014/35/EU
 - c. Machinery Directive (MD) 2006/42/EC
 - d. Radio Equipment Directive (if equipment is enabled with wireless capabilities) 2014/35/EU
 - e. Reduction of Hazardous Substances Directive 2017/42/EC
 - f. Personal Protective Device Directive (PPD) 2016/425 (effective 4/21/2019)
2. Identify which harmonized standard can be used to show compliance to the applicable directives above.
3. Test and achieve compliance with the DLS testing organization: Examples
 - a. EN55011 emissions requirements
 - b. EN61000-6-1 or 2 emissions requirements
 - c. EN61000-3-2, & -3 harmonic and flicker
 - d. EN61000-6-3 or 4 immunity requirements
 - e. IEC 61000-4-X basic immunity standards
 - f. EN 60204-1 Electrical Safety for Machine
 - g. EN 60730-1 Electrical Safety for Automatic Electric Controls
 - h. ETSI 300 328 Wireless Compliance
 - i. EN ISO 13766-2 Machinery Directive HS

You receive from D.L.S.:

Formal detailed test reports to cover all testing.

You will then:

1. Issue the Declaration of Conformity after you have met the essential requirements of **all** applicable Directives.
2. Place the CE mark on your product.
3. Market your product in all of Europe.

Please understand that the EU EMC requirements for your product and the interpretations of the requirements may change. Please check with D.L.S. for latest updates. These potential changes create risk, but we believe that your greatest risk would be to do nothing.

Call **D.L.S. Electronic Systems, Inc.** at **1-847-537-6400** for any questions you have about EU testing, scheduling and cost. We will be most happy to assist you. Visit our Website at www.dlsemc.com or Email us at jblack@dlsemc.com

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