

## CE Certification

### Applications

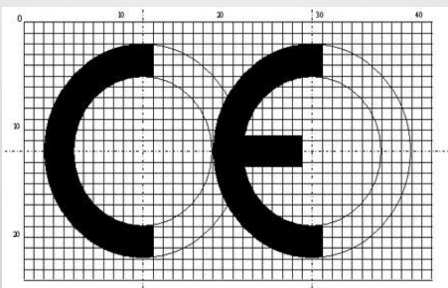
- On-site testing avoids the difficulty of shipping OEM equipment to laboratory
- System integrator

### Benefits

- Cost per project – no extra charge
- Solution guaranteed

### Features

- Both lab and on-site testing available
- On-site: Real time solutions



# CE Certification

## **Q: What is the CE mark?**

**A:** CE stands for “Conformité Européenne” which is French for European Conformity. The CE mark is a symbol that a manufacturer affixes to their products in order to meet the requirements of the EMC Directives.

The CE mark is a self-declaration from the manufacturer, meaning the manufacturer has taken the responsibility for the compliance of their products in accordance with all applicable European Standards. These Standards include safety, EMC Directive, performance, and environmental requirements.

## **Q: Where does it apply?**

**A:** The list of products that apply the CE mark is broad, but in general all electrical products must comply to the Directive.

## **Q: What if I am an OEM manufacturer utilizing electronic devices?**

**A:** All OEM equipment must meet CE Standards.

Generally, OEM equipment follows three major Directives:

- EMC Directive 2014/30EU
- Machinery Directive 2006/42/EC
- Low Voltage Directive 2014/34/EU

## **Q: What about the rest of the world?**

**A:** There are several agreements between the European Union and other countries. For example, Australia, New Zealand, Japan, and Israel utilize the CE mark as a reference for domestic and imported products.

## **Q: What is the status in the US and Canada?**

**A:** The US has FCC Part 15, which is a certification for electronic products manufactured in the US or for products imported into the US.

The electronics and industrial markets follow two regulations:

Part 15 is for digital devices like cell phones and printers. Part 18 is for industrial, scientific, and medical equipment.

For industrial applications, FCC is very similar to the EMC Directive. The goal of both agencies is to limit and minimize the emission of unintentional “radio-frequency” interference that may cause problems to other devices.

## **Q: How may Enerdoor assist you?**

**A:** As one of the top-ranked CE labs in the world, Enerdoor offers a wide range of testing methods and standard compliance. Our flat rate, on-site testing is unique in the industry as is our guarantee to not leave the facility until a solution is found. Our engineers assist customers through a portion or the entirety of the CE Certification process and prepare all documentation for the Technical Construction File, or TCF, as proof of CE Compliance.

Enerdoor offers two fully equipped EMC mobile laboratories, one of the largest EMI-RFI filter product lines in the world, and Engineers with decades of experience. We work on-site with customers to find real time solutions and minimize radio-frequency interference that may cause malfunctions inside the machine or to other devices.