



## CE Marking of Machinery - *The Basics*

CE marking a product is not an option; it is required by law if the product falls under one of the European Union New Approach Directives. By adding the mark, the manufacturer, is declaring that that the product meets the essential requirements of all applicable EU directives. With the exception of some high-risk products, most products can be “self-assessed” by the manufacturer and it is generally most effective for the organization to establish its own, sustainable processes to deal with the necessary requirements. To do this, company personnel need to learn the basics and how to apply them in their particular industry.



### Summary:

This informal on-site training session is intended to provide the Client with a good basic understanding of CE Marking, how it applies to Machinery and what needs to be done to establish a sustainable CE Marking process within an organization. It will be relevant for a wide range of personnel from Managers and Directors wishing to understand their responsibilities through to system designers and builders.

### The Approach:

The approach is structured as 50% “training” and 50% “consultancy” so as to introduce the essential elements of the CE Marking process in a way that is directly relevant to the organization by focussing on the key directives that cover electrically driven machinery and by making use of suitable case studies and product examples. Given below is an outline of the main topics.

- *Purpose of the CE Mark*
- *The Directives and their relevance*
- *The Essential Requirements*
- *Notified bodies and Competent Authorities*
- *Enforcement*
- *General approach*
- *Harmonized standards*
- *Key Directives in detail*
  - *The Machinery Directive 98/37/EC*
  - *The Low Voltage Directive 2006/95/EC*
  - *The Electromagnetic Compatibility Directive 2004/108/EC*
  - *Other directives that may be encountered*
- *Case studies and worked examples*
- *The Process*
  - *The Technical File*
  - *Hazards and Risks*
  - *Use of Standards*
  - *Declarations of Conformity and Incorporation*
  - *Production quality control, maintaining compliance*
  - *Keeping up to date*
- *The Future*



No prior knowledge of the CE marking process is assumed but the informal and interactive nature of these sessions means that progress can be accelerated when personnel with more extensive knowledge are involved, hence more time can then be dedicated to relevant examples within from the Company itself.