

# Case Study – CE Marking (Pressure Vessels)



**“The assistance RKMS provided was invaluable. It has helped our sales, but for me it has made the job much easier and I can produce them (Technical files) very quickly. I now have peace of mind and can sleep at night”.**

**Company: Engineering services and machinery manufacturing business.**

**Location: Nelson, UK**

**Employees: 34**

## Project Objectives

To design and implement a CE Marking System for the Company and create a CE Technical File (for a type machine) to meet the requirements of the Essential Health & Safety Requirements of applicable EC Directives: Pressure Equipment, Supply of Machinery (Safety) Regulations; Electrical Equipment (Safety) Regulations [LVD]; Electromagnetic Compatibility Regulations [EMC].

## Assistance Provided

The Company had carried out work to address CE Marking legislation on machinery supplied, but was not sure of the real extent of its compliance. During an initial review by the consultant it became apparent that un-necessary work was being done in some areas while major areas of non-compliance existed in others. As a result, a project and action plan was conceived to install a CE Marking system and assist the Company's Design Engineer with the formulation of a typical Technical File for a (type) machine being manufactured for the Automobile Industry. The following issues were addressed:

- Confirmation of the Scope of the Technical File
- Confirmation of the design and structure of the system and Technical File
- Compilation of a Product Check List and establishment of Test requirements
- Identification via research of Local and Harmonised Standards
- Provision of Risk Assessment Checklists designed to address Essential Health & Safety Requirements (EHSR) for applicable Directives
- Completion of EHSR Risk Assessments with Client
- Incorporation of verified data in Technical File
- Completion of 'on-site testing' of a (type) machine to ensure compliance with the EMC Directive
- Establishment of levels of emissions in relation to the EMC Directive and evaluation of testing requirements
- Finalisation of the Technical File and Supplier's Product/Parts Certification
- Training of staff in the operation and requirements of the system
- Provision of a Safety Considerations Document for use as a marketing tool
- Provision of ISO 9001 Design Control Procedure
- Full integration of the CE Marking system with the Quality Management System to ensure continued maintenance of Technical File(s)
- Provision of on-going advice by phone or e-mail as necessary

## Outcomes

Project objectives were achieved and the company's Design Engineer has since produced independently more than 20 Technical Files.

**Talk to us about how we can ensure your business is legally compliant  
For a free consultation call 0844 815 7765 or visit [www.rkmsuk.co.uk](http://www.rkmsuk.co.uk)**



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other services include, business improvement/lean  
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