

## 1 The EMCIA — a brief introduction

The full name of the EMCIA is the Electromagnetic Compatibility Industry Association.

The EMCIA was formed in March 2002 for the benefit of companies involved in the supply, design, test or manufacture of EMC\* products, or the provision of EMC Services. The EMCIA is a UKTI Accredited Trade Organisation.

**\*EMC** is short for Electromagnetic Compatibility – the ability of equipment or a system to function satisfactorily in its electromagnetic environment, when used as intended:

- without causing intolerable electromagnetic interference (EMI) into its environment, and,
- without suffering unacceptable degradation of performance due to EMI present in its operating environment.

The achievement of EMC is vital for everything that employs electricity and/or electronics, and is necessary for:

- (a) All manufacturers who incorporate electronic devices within their products.  
Including: agricultural; consumer; commercial; communications; industrial; education; science; military; transport (road, rail, air, space, marine, etc.); national infrastructures (electricity and gas generation and distribution; telecommunications and internet; radio and TV broadcasting; water supply and sewage treatment, etc.); medical; security; building automation; etc.  
Based on figures from ORGALIME, the total value of these manufactured goods in the UK is in excess of £30 billion per year.
- (b) Owners/operators of systems/installations that employ electronic equipment  
Including all buildings and vehicles: agricultural; scientific; residential; commercial; industrial; healthcare; national infrastructure; communications; military (land, sea, air, space); educational; governmental; etc.
- (c) All service organisations that employ electronic equipment.
- (d) Employers who provide work equipment incorporating electronic devices  
Including: agricultural; retail; commercial; entertainment; industrial; government; military; communications; scientific research; transport; healthcare; education; transport; etc.