

# The Powder Metallurgy Industry in the UK - the next ten years

## **What this Report is about**

This document is the result of the second of two phases of a Foresight study carried out with the support of the Department of Trade and Industry under a contract placed with the Institute of Materials. It details the findings of a process of consultation among a wide range of industrial and non-industrial stakeholders, involving all elements in the supply chain, in the PM structural components and magnets sectors in the UK. Interviews and a Workshop yielded a set of problems or limiting factors which are here consolidated and prioritised, with a set of proposed responses to them. A general methodology is proposed, including specific suggestions on structures and organisations, for the implementation of those responses - once again based upon material obtained by consultation.

## **Who it is intended for**

The Report is addressed to all stakeholders and others interested in the industry and its science and technology: companies (technical and non-technical senior staff, especially management), RTOs, universities, consultancies, Government Departments and agencies...

## **How it is structured**

The Report begins with an Executive Summary which introduces the project and highlights the main recommendations. Section 1 is concerned with the general context within which the industry operates, from the environmental legislation and business viewpoints Sections 2 and 3 deal with materials and process specifics of the structural components and magnets sectors. Section 4 sets out the proposals for positive action. The authors suggest that Chapter 1 is essential reading, since it is not possible to take much useful action on science and technology developments unless the subjects considered in it are fully appreciated.

## **How it should be used**

It is hoped that the detail in the Report will be used as a manual for implementation of the recommendations. Not only is it intended to be a work of reference on the issues to be considered, it also contains, in the specific chapters on the industry sectors, considerable coverage of the science, technology and design aspects concerned. This information can serve as the basis for definition of R&D needs, courses, and interdisciplinary and cross-sector collaboration.