

Abstract

QUALITY AND ENVIRONMENTAL MANAGEMENT IN THE SLAG BUSINESS

Marko Mäkikyrö, SKJ-companies Ltd., Finland

Emphasis has been placed in recent years on a customer-centred approach to the providing of products and services in a business context and on the quality and environmental management systems that are closely associated with this approach. The aim of such systems is to ensure that the product or service conforms as well as possible to the overall economic needs of the end-user.

The need for quality and environmental management systems is particularly pronounced for a company dealing in industrial by-products, on account of the particular environmental considerations involved. The company must be able to demonstrate that its activities meet the official requirements with respect to both the technical specifications of the products and their environmental properties.

SKJ-companies began the comprehensive development of their production system in the early 1990s, paying due attention to questions of quality, the environment and work safety. This was done in practice by setting up the actual quality assurance system first and then moving on to the environmental management system, ensuring at the same time that both incorporated the necessary work safety measures. These certified systems conform to the ISO 9001:2000 and ISO 14001:1996 standards.

This paper provides an account of the development of SKJ-companies' business activities and quality assurance systems, with particular emphasis on the advantages to be gained from a production system that covers all aspects of a company's activities.

Biographical Details

Mr Marko Mäkikyrö, SKJ-companies Ltd., Finland

Education

- 1994 M.Sc. of Civil Engineering (University of Oulu)
- 1997 Licentiate in Technology (University of Oulu)
- Doctoral thesis will be ready this year

Working history

- 1994-1996 Researcher, University of Oulu
- in 1997 Engineer (R&D), SKJ-companies Ltd.
- 1998-1999 Manager (R&D), SKJ-companies Ltd.
- In 2000 Sales Manager (Environmental Technology),
Rautaruukki Engineering
- 2001- Manager (R&D), SKJ-companies Ltd.

Responsibilities in SKJ-companies

- R&D for slag products in road construction
- Marketing of slag products for earthworks and road construction
- Development and updating of Quality Management system
- Development and updating of Information Management system

EUROSLAG activities

- Member of Working Groups "Binding Agents, Cement and Concrete" and "Road Making Materials"

Contact: marko.makikyro@rautaruukki.com