



Ralph Knight

PROFILE

Ralph Knight is a Senior Mechanical Engineer with established expertise in bulk materials handling, including bulk storage, extraction and metering of materials, pneumatic pipeline, mechanical and hydraulic conveying. He is highly experienced in trouble-shooting, managing and training on critical issues such as cost, quality, safety and the environment. His track record includes major corporate projects and consultancy work world-wide. Ralph has been a member of the Institute of Mechanical Engineers Bulk Materials Handling Committee since 1986. Ralph speaks basic French.

EDUCATIONAL & PERSONAL

Date of Birth: 23 January 1941

Qualifications: BA Degree in Science & Technology - Open University (1971-77).
HNC & ONC in Mechanical Engineering, plus endorsements in metallurgy and production engineering. Medway & Maidstone College of Technology (1960-66).

Languages: French – Basic/Technical

Professional Experience Resume

2003 - PRESENT ASSOCIATE ENGINEER, CEMENT PERFORMANCE INTERNATIONAL LTD

CPI materials handling expert involved with the design of a number of Greenfield and brownfield cement plants, as well as various uprating, alternative fuels and cement loading projects.

2001-2003 INDEPENDENT CONSULTANT - LAFARGE CEMENT UK

Numerous material handling studies including cement conveying for new cement works, dust conveying troubleshooting, fugitive dust minimisation

on cement belt transfer points and storage/conveying of sticky shale materials.

1987-2001

SENIOR PRINCIPAL MECHANICAL ENGINEER – BLUE CIRCLE TECHNICAL CENTRE

Design and approval of materials handling systems for major Blue Circle investments ranging from \$50 to \$300 million. Life cycle analysis of various materials handling options for plants. Checking and specification of pneumatic conveying systems. Mentoring trainee Mechanical Engineers and presenting internal and external papers on Bulk Materials Handling best practice. Project involvement in USA, Medway and the UK.

1981-1987

SENIOR MECHANICAL ENGINEER, BLUE CIRCLE TECHNICAL CENTRE

Designated bulk materials handling specialist for this Division, comprising some 200 engineers and support staff. Collected and analysed operating data for development of a computer based method of sizing pneumatic pipelines systems for conveying of powders. Undertook consultancy visits to Nigeria, India, Venezuela, United Arab Emirates.

1977-1981

SENIOR PROCESS ENGINEER

Responsible for ensuring appropriate bulk materials handling equipment selection based on 'life-cycle' costs for both in-house and third party consultancy client projects.

1958-1977

RESEARCH ASSISTANT/TECHNOLOGIST, BLUE CIRCLE RESEARCH