

Colin Jemson

Qualifications / Affiliations

BSc (Hons) Metallurgy, University of
Teesside, UK
MA Business Studies, University of Warwick,
UK
Former President Cleveland Institution of
Engineers
Participation in British Steel plc Advanced
Management Development Programme

Languages

German (Basic)

Date of Birth

18 January 1959

Nationality

British

Contact

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Current Position at CWA

Consultant – Metals and Minerals Department

Specific Expertise and Experience

Colin has 40 years experience in the iron & steel industry covering quality and process control, product development, Research and Development, and general management.

Colin has been involved in the metallurgical development of many new and enhanced steel products including tyre cord, rail steels, jumbo sections, pipe plate and special profiles. This has involved both development of the process capability and the achievement of required product performance.

Colin has specific expertise in 'clean steel' development, secondary steelmaking practices to achieve ultra low S, P, O, N₂, H₂ levels, castability of Aluminium containing steels and inclusion modification for specific product performance.

He has also been heavily involved in the development of IT systems including process control systems and various control models; vessel charge balance, alloy additions, steel temperature control and works wide planning, routing and process capability planning systems.

Summary of Previous Employment

2005-2014

Tata Steel

Manager Steelmaking & Casting Research & Development, Manager Rolling & Re-Heating Research & Development

Key responsibilities

- Managed Tata Steel R&D Departments covering steelmaking, casting, re-heating and rolling.
- Managed teams of 60-80 researchers mostly educated to BSc and PhD level.
- Responsible for new process developments, process improvements, plant commissioning, new product development, problem trouble shooting and various specialist projects involving UK & EU Universities.
- Responsible for large scale Pilot Plant Facilities at the then Teesside Technology Centre.

2000-2005

Corus plc

Manager Process Technology Primary Processes – Coke, Iron, Steelmaking & Casting, Long Products Division

Key responsibilities

- New plant commissioning including; bloom casters, ladle arc furnaces, vacuum degassers, powder injection facilities, vessel enhancements - bath agitation systems, sub lance systems, wire feeding of alloys.
- A key role in the technical exchange programme between British Steel and Nippon Steel.
- Quality assurance, quality control and definition of plant operating procedures.

1997-2000

British Steel plc

Technical Manager Steelmaking, Casting, Bloom & Billet Mills, Scunthorpe Works

Key responsibilities

- Day to day control and monitoring of plant performance regarding achievement of required quality standards.
- Incremental improvement of plant processes and product quality.
- Definition of operating Codes of Practice.

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CWA International Ltd

1995 -1997

British Steel plc

Technical Business Planner, Long Products

Key Responsibilities

- Definition of process routing, plant capability and plant capacity to enable works wide planning and expedition of customer orders.
- Vetting of customer enquiries regarding capability to manufacture.
- Costing of products, in particular regarding loading of scarce plant resource.

1994-1995

British Steel plc

Technical Manager Metallurgical Services, Teesside Works

Key responsibilities

- The testing and assessment of all aspects of rolled products.
- Responsible for the Works quality assurance adherence, technical standards and product release.
- Metallurgical evaluation of new steel products.
- Non-destructive testing of product and plant assets.

1991-1994

British Steel plc

Technical Manager Section Mills, Teesside Works

Key Responsibilities

- Customer liaison regarding product compliance and adherence.
- Quality systems associated with rail and section products.
- Day to day control and monitoring of plant performance regarding achievement of required quality standards.
- Incremental improvement of plant processes and product quality.

1975-1991

British Steel Corporation

Various technical & research roles covering all areas of an integrated steel works from primary processes, rolling, testing, quality assurance, metallurgical laboratories, analytical laboratories and QA.

Papers Presented at International Conferences

Steel making & Casting conferences during the period 1980-2000 covering topics ranging from commissioning of new plant, development of slag retention systems and inclusion modified steels for product enhancement.

CV ex CWA Website