DR IAN LESLIE MOODY

BEng (Hons), DIC, ARSM, AIMMM

Managing Metallurgist

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Ian Moody graduated with a BEng (Hons) in Material Science and Engineering and a PhD in Metallurgy, leaving Imperial College in 1995. He then spent 18 years at British Steel (subsequently called Corus and Tata Steel), the final 12 as the Technical Manager for the International Projects team. There followed 3.5 years as Product Manager for Columbia Metals, a non-ferrous stockholder specialising in copper, copper alloys, stainless steel and nickel alloys and 4.5 years as Conversion Metallurgist at NeoNickel, another stockholder specialising in titanium and nickel-based superalloys. As Product Manager at Columbia Metals, Ian advised on the purchase and sale of copper and nickel alloys worldwide and as the Conversion Metallurgist at NeoNickel, Ian managed the contract processing of nickel and titanium alloys in the UK and Europe.

Customer facing tasks in these roles including advising on material selection issues for aerospace, thermal processing and corrosion resisting applications.

During his time at British Steel, Ian was responsible for technically auditing numerous suppliers of steel products (including plates, sections, bars, coils and pipes) throughout Asia and Eastern Europe as well as managing the technical supply of metals to projects across the Middle East, North Africa and South Asia.

Has appeared as an expert witness in proceedings at the Commercial Court, London and in arbitration at the Oslo District Court.

Ian joined Brookes Bell as a Metallurgist in March 2022.

Academic Qualifications

BEng (Hons) Materials Science and Engineering (Imperial College London)

PhD in Metallurgy (Imperial College London)

Professional Memberships

Associate Member of the Institute of Materials, Minerals and Mining (IoM3)

Surveying and Consultancy Experience

Investigation of:

- Claims involving ferrous and non-ferrous cargoes for handling damage, corrosion and contamination during transit and compliance with dimensional tolerance standards. Products inspected include plates, coils, sections, rebar, debar, tubes and pipes
- Claims involving aerospace part failures including turbine blades, avionics actuators and landing gear components
- Claims involving automotive and ships' engine components including turbochargers, valve stems, valve guides, fuel pump parts, cam shafts and gears
- Claims relating to chemical composition and mechanical properties of steels, stainless steels, titanium alloys, copper-based alloys, nickel-based alloys and cobalt-based alloys
- Claims involving copper piping for domestic water supply
- Crane wire rope failures
- Claims involving marine anchor and anchoring system failures
- Failure of ships' components and structures, including pipework systems
- Manufacturing issues during pressing of terne coated steel sheet into petrol tanks
- Manufacturing issues during drawing of wire rod into steel springs
- Witnessing of welding and weld repair procedure qualification on various API 5L line-pipe projects
- Providing Johnson Cook material parameters to facilitate finite element analysis (FEA) of dynamic material failures