



Matthew Calveley

Job Title: Technical Director – Metallurgy

Department

T: +44 (0) 7502 531 844

M:

E: matthew.calveley@charlestaylor.com

Office Address

Expertise

Forensic Engineering, Failure of Metals, Structures and Engineering, Metallurgy, Materials Engineering, Material Testing, Complex Technical Claims, Sustainability of Materials, Product Recall

About This Individual

Matthew has over fifteen years of experience investigating complex failures and claims relating to metals and components. This includes desktop review of failure incidents and carrying out independent laboratory testing on evidence. Matthew began his career in the marine sector and has travelled the world for clients to investigate a variety of challenging claims. Matthew has spent some time in the energy transmission sector assisting owners and operators with root cause analysis. During his career, he has spent time working in Asia and helped to create and develop an ISO 17025 accredited laboratory specialising in fuel testing, material testing and non-destructive testing (NDT). Matthew recently completed certifications in applied sustainability engineering and the circular economy.

Employment History

2023 - 2024

EA Technology - Senior Materials Engineer/Consultant

Project managing of failure investigations and inspection for a range of industrial clients in power transmission and distribution.

Investigation work was typically across a range of electrical network components, but also included materials science and engineering support for different industries to help with root cause investigations (rail infrastructure for example).

2022-2023

University of Liverpool / Port City Innovation Hub (PCiH) - Industrial Relationship Manager

Business Liaison for local maritime companies, identifying and linking up businesses with relevant academic research at University of Liverpool.

2010 - 2022

Brookes Bell / Brookes Bell Singapore / The Lab at Brookes Bell – Senior Metallurgist/Laboratory Manager

Responsible for failure investigations, both on site and in the laboratory. Spent two years in Singapore setting up operations. Cases were varied but could include a range of inspection technologies to examine components and structures. Travelled to sites all over world to investigate and gather evidence. Developed and set up The Lab at Brookes Bell. Gained a good understanding of general engineering and ship structures.

2009-2010

Premier Hytemp Ltd (Murray Metals) - Process Metallurgist

Managing of routine testing, certification and witnessing for customer projects. I carried out witnessing of forging and heat treatment, oversaw quality processes and supplier review.

2008-2009

Atlantic Engineering Ltd (Birkenhead) – Metallurgist

Managing the laboratory and testing services (mostly weld procedure testing). Also carrying out independent failure investigations (variety of sectors) and support of operations within the fabrication unit.

Professional Qualifications

- MSc Corrosion Control Engineering
- BEng (Hons) Forensic Engineering

Languages

- English