
Professional qualification: BSc (hons) Materials science. The University of Bath, 1990

Expert Witness / Litigation Experience :

Recent cases include:

- Embrittlement of plastic hot water pipe system in large public sector installation.
- Personal injury test case involving failure assessment of elastomeric prosthetic medical implants
- Failure analysis of hydraulic hose liners.
- Intellectual property dispute concerning specialised plastic formulation
- Failure of PETG/PVC architectural structure.
- Sub-sea Polyethylene Pipe Weld Failure liability dispute
- Land Pollution case concerning failure of HDPE fuel storage tanks

Professional Experience

Independent Polymer Technology Ltd (ipolytech) (since Jan 2003)

Founder and Managing Director of Independent Polymer Technology Ltd. Ipolytech provide materials technology support to companies from all industrial sectors and the legal profession. Project work focuses on aspects of failure analysis, product development and component durability assessment of plastic and rubber components. Training courses are delivered both in the UK and mainland Europe.

New Transducers Ltd Manager Components and Technologies (2001 – 2002)

Head of a team of multi-disciplined engineers including materials engineers, mechanical engineers, transducer designers and electronic engineers developing components for use in NXT flat panel loudspeakers. Development components included novel composite/plastic panel materials and magnetic circuit designs for use in high force and high power handling transducer applications. Work included liaison with manufacturers both within Europe and in China and the development of training modules for Chinese licensees to develop an understanding of manufacturing and quality control issues for flat panel loudspeaker production.

1992 – 2001 Rapra Technology Limited

1 Consultant in Plastics Technology

Working with clients from industrial, academic and legal professions to provide consultative support on all aspects of polymer technology. Particular skills in assessment of the long term durability of polymer products failure analysis plastic components.

Significant experience has been built up whilst working with clients from all industrial sectors utilising all common and specialist thermoplastic materials. A significant amount of work was conducted for the legal profession and court appearances have been made both within the UK and Eire.

2 Head of Plastics Technology

From 1999-2001 the role of Head of Plastics Technology was taken on in addition to continued consultancy work. Responsible for the technical quality of seven other consultants.

1990 – 1992 British Aerospace Military Aircraft Ltd

Materials engineer responsible for of non-metallic materials systems for Harrier and European Fighter developments.

1988-1989 Royal Aerospace Establishment Farnborough.

One year Industrial Placement from University working on pre-contamination of fibre reinforced composites prior to adhesive bonding for in-field damage repair and the electropolymerisation of polymethyl methacrylate onto continuous carbon fibre tows.