

JUSTIN STEPHENS BATES

PERSONAL DETAILS

Name: Justin Stephens Bates BSc Hons AMIM IENG

Address: Materials Technology Ltd.
5, Rushington Court
Southampton SO40 9NA

Nationality: British

Position: Managing Director Materials Technology Ltd.

Qualifications: BSc. Hons in Chemistry & Natural Resources (Brunel University).
Incorporated Engineer
Post Graduate Courses (Open University):
Polymer Engineering
Manufacture & Materials Design
A Levels Maths, Physics, Chemistry
O Levels Maths, Physics, Chemistry, Biology,
English Literature & Language, German, Geography

Also associate member of:
Institute of Traffic Accident Investigators
Institute of Materials
Yacht Brokers Designers and Surveyors Association

Career Profile

1992- Present Technical Director of Materials Technology Ltd. Materials engineer specialising in materials failure investigations and materials selection.

The role of Materials Technology Ltd includes:
Failure avoidance and failure investigation, selection of materials, corrosion studies, inspection, quality control, welding engineering, NDT, R.&D.
Quality assurance to assist companies to achieve ISO 9000 certification, chemical engineering, acting as expert witness.

Background covers most industries including civil engineering, defence, oil, gas, petrochemicals, marine, automotive, leisure, fashion, medical, defence, telecommunications.

1990-1992 Croxton & Garry
Technical Representative selling chemical raw materials and fillers into a wide range of industries

CURRICULUM VITAE

1987-1990 Pirelli Cables
 Rubber Technologist developing cable sheathing compounds

INDUSTRIES SERVED

Justin Bates is currently involved in the following industrial areas:

Marine.

Predominantly for marine surveyors investigating insurance claims, and manufacturers in product development and failure analysis.

Loss Adjusters

Investigating materials related claims, recently particularly with reference to plumbing claims

Police Accident Investigation

Investigating materials aspects related to transport accidents, in particular light bulb examinations, metallurgical examinations, paint comparisons etc.

Process Industries

Currently involved in the investigation of a filter press failure, heat exchanger failure and conveyor belt failure

Electronics

Currently in the avionics industry, approving alternative potting materials for fuel sensor probes etc. Preparation and examination of printed circuit boards for quality control and failure analysis purposes.

TECHNICAL EXPERIENCE

- Examination of:
 - Metallurgical failures
 - Corrosion Failures
 - Fractography
 - Composite materials

- Procedure and specification writing
- Technical report writing
- Lecturing
 - On materials failures to for example the Yacht Brokers Designers and Surveyors Association, process engineers at companies such as Tate & Lyle and Polimeri Europa. Approved training provider for the Institute of corrosion.

- Fire Testing
 - Development and approval of bulkhead panels for use on High Speed Ferries, Cruise Ships and Super Yachts.

- Materials Development
 - Current projects include a plating development for aluminium castings for arduous duty in the marine environment.