

MARK A. M. EZRA, PE

EDUCATION

1972 to 1973 Victoria University of Manchester Manchester, England
Diploma in Technology: Theory and Practice of Automatic Control

1969 to 1972 Victoria University of Manchester Manchester, England
Bachelor of Science in Mechanical Engineering

1968 to 1969 William Penn Charter School Philadelphia, Pennsylvania
United States High School Diploma

1965 to 1968 Carmel College Wallingford, England
Nine 0-Level Certificates

PROFESSIONAL EXPERIENCE

March 2006 to Present MK & Associates, LLC
Senior Mechanical Engineer/Co-owner

Performs forensic engineering analysis in the area of mechanical systems. Work includes analysis of defects in design/manufacturing of machines, nailguns and required guarding, mechanical products, negligence cases and accident reconstruction as applied to automobiles, motorcycles, over-the-road trucks and industrial safety. Failure analysis projects have been undertaken on large industrial gearboxes, industrial machines utilizing chain drives piston aircraft engines, and large air handling turbines in commercial buildings. Failure analysis projects have also been undertaken into the cause/origin of failures in water pipe fittings and valves installed in domestic and commercial buildings. Additional work has involved vibrational aspects of failure in large HVAC units, patent infringement cases and explosion analysis. Trial testimony has been accepted in both state and federal venues.

May 1996 to June 2006 Nouveau Depart
Consulting Mechanical Engineer

Worked through Senne, Kelsey & Associates, Product and Highway Safety Institute and The Institute of Safety Analysis, Inc. performing forensic engineering analysis in the area of mechanical systems including analysis on failure of piston aircraft engines and light aircraft accidents, analysis and evaluation of safety and reliability and hazard assessment of systems and structures, accident reconstruction of motorcycle crashes and automobile crashes.

January 1975 to July 1979 Yamaha Motor NV in Holland
European After Sales Service Controller, Motorcycles
Evaluation and investigation of technical failures in the marketplace reported by twelve European importers. Technical liaison with the factory in Japan. Implementation of modification programs in co-operation with the European importers. Member of new product (motorcycle) European testing/acceptance team. Supervision of translation of the workshop and owner manuals from English into four European languages.

November 1973 to December 1974 Foxboro-Yoxall, LTD
Products and Systems Engineer
Technical support of several pneumatic instruments in the product range. Implementation of engineering changes, resolution of production line anomalies and technical support for specific applications requested by customers. Specification of valves and instrumentation used in compressor surge control for large gas pipe lines. Organization of documentation for completed customer systems.

PUBLICATIONS

“Forensic Engineering Analysis of Trailer Sway Accidents”
National Academy of Forensic Engineers, Volume Xxy, Number 1; June 2008 Issue
Authored By Mark A. M. Ezra, PE and Daniel J. Landiss

“Forensic Engineering Investigation Of Motorcycle Instability Induced Crashes”
National Academy Of Forensic Engineers, Volume Xxi, Number 1; June 2004 Issue
Authored By Mark A. M. Ezra, PE

“Motorcycle Design Defects--Identifying Common And Unnecessary Hazards”
Trial Magazine, November 1982 Issue
Authored By A. Ezra, M. Ezra And P. Gaus

“A Method Of Limiting Pressure Build-Up In Motorcycle Gasoline Tanks Due To Tank Deformation In An Accident”
ASME 82-Wa/De-5, Published 1982
Authored By A. Ezra And M. Ezra

“Aspects Of Motorcycle Braking And Handling For The Defense Of Drivers Involved In Car/Motorcycle Collisions.”
Missouri Organization Of Defense Lawyers, Fall Newsletter, 2005
<[Http://Modllaw.Com/Bridge.Asp?Pagenumber=47559](http://Modllaw.Com/Bridge.Asp?Pagenumber=47559)>
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CERTIFICATIONS

Missouri P.E. License, No. E 2002003156

Board Certified Diplomate in Forensic Engineering By NAFE/ Council Of Engineering And Scientific Specialty Boards

Chartered Engineer (CEng), Register No. 508104

European Engineer (Eur Ing), Register No. UK/23739

Certified Safety Engineer By Missouri Division of Labor Standards

PROFESSIONAL MEMBERSHIPS

National Society of Professional Engineers

Member, Society Of Automotive Engineers

Missouri Society of Professional Engineers

Member, American Society Of Mechanical Engineers

Member, Institution Of Mechanical Engineers (UK)

National Academy Of Forensic Engineers

- *Fellow*

Chartered Engineer , (United Kingdom)

Private Pilot Certificate

- *Single Engine Land; IFR Qualification; Complex Aircraft Sign Off And Tail Wheel Sign Off.*

Motorcycle License

- *750cc+ Qualification; More Than 250,000 Miles Of Experience.*

LANGUAGES

English: mother tongue

French: Speak, write, read at excellent level

Dutch: Speak, write and read fairly well; comprehension good

INTERESTS AND ACTIVITIES

Classic car and motorcycle restoration and high performance modifications

Amateur built aircraft and radio controlled aircraft and aerobatic piloting

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