



# Mark Ezra, PE

## Mechanical Engineer

Applying mechanical engineering principles to the analysis of design and manufacturing defects in machines. Prior work includes but is not limited to defects in nail gun design, analysis of large industrial gearbox failures and hazards due to design in industrial food processing equipment and conveyor systems. Significant experience in analysis of motorcycle accidents, motorcycle defects, and testing of motorcycle stability.



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## PROFESSIONAL EXPERIENCE

### Senior Mechanical Engineer and Co-Owner

#### **MK & Associates, LLC**

Forensic engineering analysis, failure analysis, deposition and trial testimony, oversee all engineers on staff and consulting

### Consulting Mechanical Engineer

#### **Nouveau Depart**

Forensic engineering analysis of mechanical systems and accident reconstruction, deposition and trial testimony

### Manager and Technical Director

#### **Performance Aircraft Manufacturer**

Development of high-performance modification to aircraft engines, manufacturing of structures and components, sales agent for aircraft supplies.

### General Manager

#### **M. A. P.**

Import and distribute aircraft parts and agent for certified repair of aircraft engines; interfaces with government agencies re: regulatory affairs, crash investigations, and analysis.

### Director General; Technical Director

#### **SUD-Alim SA**

Supervise technical support and repair facility for electronic products.

### Project Manager

#### **University of Utah, Innovation Center**

Application review of inventors and technical evaluations

### European After-Sales Service Controller, Motorcycles

#### **Yamaha Motor NV in Holland**

Investigation of technical failures reported by 12 European importers.

## LANGUAGES

**English:** first language

**French:** speak, write, read fluently

**Dutch:** write, read fairly well

## INTERESTS

Classic car and motorcycle restoration

Amateur build aircraft

Parasailing

## EDUCATION

**Victoria University of Manchester**  
*Bachelor of Science*  
*in Mechanical Engineering*

**Victoria University of Manchester**  
*Diploma in Technology:*  
*Theory and Practice of Automatic*  
*Control*

## 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)

Fellow, National Academy of Forensic Engineers

Chartered engineer (UK)

Private Pilot Certificate:  
*Single engine land; Single engine sea;*  
*Glider; IFR Qualifications; Complex aircraft*  
*sign off; Tail wheel sign off*

Motorcycle License:  
*750+ cc Qualification: France, United*  
*Kingdom, Holland*

Missouri, USA Motorcycle License

Motorcycle Experience:  
*More than 250,000 miles*

## CERTIFICATIONS

Missouri PE 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

Continuing Education:

- The Bar Association of Missouri: Marijuana in the Workplace
- A17.6 Standard for Elevator Suspension, Compensation & Governor Systems
- ASME: Essential Rules for Construction of Single-Failure-Proof Cranes and Cranes in ASME NOG-1 and ASME NUM-1
- ASME: Guide to Mobile Crane Standards
- ASME: Ethics for Engineers: Doing the Right Thing when No One is Looking
- California Superbike School: High Performance Riding Techniques
- Motorcycle Handling and Control
- Mechanical Engineering, Analysis of Nail Gun Kickback and the Effects of Trigger Design
- Mechanical Engineering, Analysis of Lawnmower Guarding
- OSHA: General Industry Regulation
- OSHA: OSHA Regulations and Workplace Accidents
- SAE Seminar: Advanced Accident Reconstruction
- NEC 2008: Wiring and Protections

## PUBLICATIONS

Available upon request