



CURRICULUM VITAE

Edward K. Carrick, P.E. Accident Reconstruction & Mechanical Engineering Consultant

PROFILE

Highly technical professional with impeccable credentials as a registered professional engineer in Mechanical Engineering, Accident Reconstruction, Mechanical and Fire Safety Failure Analysis. Mr. Carrick routinely investigates failures and accidents related to products, product design, construction, mechanical systems and processes, HVAC systems, and vehicle accidents.

Mr. Carrick demonstrates accuracy while providing litigation support as an expert witness in research while preparing targeted investigative failure analysis and defensible opinions in technical reports and relevant testimony concerning product quality, design and safety.

PROFESSIONAL CERTIFICATIONS

Registered Professional Engineer - State of Louisiana, License No. 32487, 2006
Certified Traffic Accident Reconstructionist - Accreditation Commission for Traffic Accident Reconstruction, 2007
Bosch Certified - Crash Data Retrieval Technician, 2007

ACADEMIC CREDENTIALS

B. Sc. - Mechanical Engineering, University of New Orleans, 1997

ANCILLIARY TECHNICAL TRAINING

Bosch Crash Data Retrieval Technician Certification Training Course
Traffic Accident Reconstruction - Northwestern University
Building Automation Systems and Controllers – Direct Digital Control technology systems
Lean/Six Sigma Green Belt Certificate
Lean Manufacturing and Product Development
Application Programming Interface
Occupational Safety and Health (OSHA) training programs
Quality Management Internal Auditor
Primary Leadership Development Course - US Army

AREAS OF ENGINEERING EXPERTISE

- Accident investigation and reconstruction
- Engineering failure analysis
- Forensic engineering
- Equipment and product design
- Mechanical systems and processes
- HVAC systems

PROFESSIONAL EXPERIENCE

- 2013 - Present **Americana Safety Associates, LLC – New Orleans, Louisiana**
Senior Forensic Consultant, Accident Reconstruction and Mechanical Engineering
- Provides expert witness and litigation support to trial attorneys in personal injury, product liability, negligence and wrongful-death law cases. Areas of specialization include, but are not limited to:
 - Forensics – Accident Reconstruction, Mechanical and Fire Safety Failure Analysis.
 - Engineering – HVAC, Mechanical, Controls, Safety, Industrial, Process and engineering design and specification issues.
 - Business Improvement – Manager Training, LEAN, ISO, API, Quality Systems, Efficiency
 - Provides consultation services to business and industry on mechanical engineering and fire safety issues, concerns and abatement of hazards.
 - Provides regulatory compliance and on-site inspection consultation services to business and industry to ensure compliance with all applicable U.S. federal and state safety requirements, laws, regulations, national consensus standards and best practices.
- 2008 - Present **Private Practice – Mandeville, Louisiana**
Mechanical Engineering Consultant
- A multi-faceted consulting firm specializing in forensics, engineering and business process improvement.
- 2005 - 2008 **Rimkus Consulting Group – New Orleans, Louisiana**
Industrial and Mechanical Engineering Consultant
- Forensic engineering consulting firm supporting manufacturing firms with product design and development, project management, and process improvement activities..
- 2000 - 2005 **Manufacturing Extension Partnership of Louisiana (MEPOL) - New Orleans, Louisiana**
Product Development Engineer, Manager
- Lean manufacturing and productivity consulting firm Coordinated and implemented Lean projects for manufacturers throughout Louisiana.
 - Led operations, quality, manufacturing, maintenance, and product development personnel in improvement and expansion projects; industrial engineer.
- 1995 – 2000 **Berg Mechanical and Controls – Lafayette, Louisiana**
Engineer Trainee
- Worked as engineer-in training in construction, industrial and mechanical contracting fields.
- 1989 - 1997 **U.S. Army and Louisiana Army National Guard**
- Duties included operations and maintenance of the Bradley Armored Fighting Vehicle, including combat operations in the Persian Gulf and Iraq.

PROFESSIONAL MEMBERSHIPS

- American Society of Mechanical Engineers
- Louisiana Engineering Society

AVAILABILITY

Mr. Carrick is available nationwide for select accident reconstruction, failure analysis and mechanical engineering consultations through Americana Safety Associates, LLC.