

Areas of Expertise:	<ul style="list-style-type: none"> Accident Investigation/Reconstruction Aeronautical Engineering Biomechanics Chemical Engineering Civil Engineering Data/Statistical Analysis Electrical Engineering Failure Analysis Fire Sciences Fire & Explosion Investigation Fire Testing & Research Forensic Engineering 	<ul style="list-style-type: none"> Fuel gas equipment & appliances Gas ignitions and explosions Industrial accidents & explosions LPG & Natural gas handling Laboratory Testing Litigation Support Mechanical Engineering Origin and Cause Investigation Petroleum Engineering Structural Engineering Transportation Engineering Traffic Engineering
Firm/Expert Profile:	<p>McDowell Owens Engineering is an independent, multi-disciplinary firm specializing in forensic engineering, failure analysis and applied fire sciences. Since 1986, our professional team of engineers, scientists and technicians has been providing quality forensic engineering services to legal firms, insurance companies and industries throughout the world. We have conducted thousands of investigations on behalf of both defendants and plaintiffs. In addition, our experts have given depositions and testimony in numerous matters for both prosecuting and defense attorneys.</p>	
Services:	<p>Through a multi-disciplinary approach, we provide our clients with a detailed analysis of commercial, industrial and residential accidents and product failures which result in injury, death and/or structural and economic loss. Our professional team of engineers, scientists and technicians utilize their diverse skills to analyze data from many different aspects, testing appropriate hypothesis and verifying the most probable chain of events that led to an accident or failure. Additionally, we maintain two test facilities for the purpose of conducting small to full-scale tests and reconstructions. Our findings are then conveyed to our clients in a valid, credible and easily understood presentation. Our specific areas of expertise include, but are not limited to:</p>	
	<ul style="list-style-type: none"> Analysis of roadway design Biomechanical analysis Breaker testing & analysis Construction zone traffic handling Electrical system analysis Full-scale fire testing Electrical testing Heat & mass transfer Heavy industrial equipment High voltage networks Mechanical system analysis Numerical modeling Onshore & Offshore production operations 	<ul style="list-style-type: none"> Pipeline & tank handling of flammable liquids Product liability related to design, materials and warnings Production well and compressor stations Refinery explosions Refining and petrochemicals Storage & distribution of flammable & combustible fluids Structural & foundation failures Vehicle accident reconstruction Vehicle component analysis

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