JASON P. EVANS, M.B.A, B.S.

EDUCATION:

M.B.A., Business Administration with Emphasis in Data Analytics, Abilene Christian University

B.S. Engineering, Nuclear Power, Excelsior College

U.S. Navy Nuclear Power Program

EXPERIENCE:

Mechanical Engineer, Knott Laboratory, LLC, Centennial CO, January 2021 to Present

Police Officer, Grand Junction Police Department, Grand Junction, CO, January 2014 to December 2020

Test Director/Work Controls Coordinator, U.S. Navy, Pearl Harbor Naval Shipyard, October 2010 to November 2013

Nuclear Trained Electrician, U.S. Navy, USS Columbia (SSN-771), February 2006 to October 2010

INCIDENT RECONSTRUCTION:

Mr. Evans has performed investigations and reconstructions of different types of critical incidents which include shootings, complex crime scenes and past events. He uses photogrammetry and videogrammetry combined with point clouds to perform complex 3D engineering analysis. He forensically analyzes videos and digital evidence (Body Worn Cameras, surveillance footage, digital photographs, cell phone videos and etc.) for incident scene reconstruction. He uses matchmoving, motion capture and forensic animation to provide a clear understanding of complex engineering analysis. His investigation experience included product liability investigations, premises liability investigations, workplace safety investigations, heavy equipment investigations, and others. He investigates high and low-speed motor vehicle accidents involving passenger cars, motorcycles, pedestrians, bicycles, and commercial vehicles. His experience includes the use of conservation of energy and conservation of momentum analysis to determine the speed of vehicles involved in accidents, crashworthiness of vehicles, occupant compartment intrusion, driver reaction, and time/space relationships and analysis. Mr. Evans' investigations often involve analyzing vehicle dynamics, vehicle safety, human factors, and visibility studies. Frequent aspects of these investigations also involve evaluating the performance of brakes, tires, seat belts, and airbags. Mr. Evans has also employed reconstruction techniques to analyze injury incidents and industrial accidents.

INVESTIGATION:

Mr. Evans has seven years of law enforcement experience and extensive investigative skills. Mr. Evans has spent hundreds of hours interviewing, investigating, and surveying numerous crime scenes, including vehicle accidents, person crimes, and property crimes. Mr. Evans has created detailed reports and documentation, which has resulted in numerous successful convictions and investigations. Mr. Evans has extensive courtroom testimony experience in both criminal and civil court.

SAFETY ENGINEERING:

Mr. Evans has been involved in extensive investigation and analysis of the safety of mechanical products. Mr. Evans' extensive experience, from his military service, in industrial work environments. Mr. Evans regularly investigates workplace accidents involving valves, electrical components, motors, pumps, high-pressure air systems, and hydraulic systems. Mr. Evans has advanced training in Quality Assurance, Safety Work Controls, Re-test Engineering, Nuclear Power, and OSHA workplace safety requirements. Safety investigations typically involve reviewing maintenance records, applying principles of safety engineering, studying human factors, and reconstructing the incident.

EXPERT TESTIMONY:

As a result of his investigations and experience, Mr. Evans has been asked to provide testimony as an expert witness over a hundred times. Mr. Evans has testified in both criminal and civil court and has been qualified as an expert witness in the areas of law enforcement.

PROFESSIONAL AFFILIATIONS:

Mr. Evans is a member of the following technical and professional societies:

ASME   American Society of Mechanical Engineers

ASTM   American Society for Testing and Materials (ASTM International)

AC   Alpha Chi National Honor Society

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