



111 W Canyon Crest Rd.,
Alpine, UT 84004
Office: (801) 763-8484

Curriculum Vitae

DAVID G. SMITH, MSME, MBA, PE, CSP

MECHANICAL ENGINEERING EXPERT

Experienced mechanical engineer (MS, PE) with seven issued patents. Award winning inventor. Vice President of Alpine Engineering and Design, a mechanical engineering consulting company with clients around the United States ranging from individual inventors to Fortune 500 companies. Worked on the development of multiple successful products including among other things: aerial lifts, garbage trucks, thrill rides, ziplines, trailers, oil and gas equipment, exercise equipment, manufacturing equipment and multiple consumer products.

Graduated Cum Laude with a bachelor's degree in mechanical engineering. Completed a master's of science degree in mechanical engineering and an MBA with an emphasis in product development. Licensed professional engineer (PE) and a certified safety professional in comprehensive practice (CSP). Certified trainer for boom lifts, scissor lifts, rough terrain and counterbalanced forklifts. Over 10 years' experience in product development, patents, equipment safety and risk assessments.

Experienced expert witness having drafted over 200 reports/declarations in patent cases and catastrophic injury and death cases. Designed and built multiple custom testing devices to obtain data and evaluate opinions. Created multiple demonstratives to explain the mechanics and circumstances of accident sequences and patented devices. Testified in 15+depositions, 3+trials, and 7 issued patents.

EDUCATION

- MBA, Brigham Young University, Emphasis in Product Development (2011)
- Masters of Science, Mechanical Engineering, Brigham Young University (2011)
 - o Thesis: Off-axis Stiffness and Piezoresistive Sensing in Large-displacement Linear-motion MEMS
 - o Areas of study: Compliant Mechanisms, Springs, Structural Analysis, MEMS, Stress and Deflection analysis, FEA, Machine Design, Product Development
- Bachelors of Science, Brigham Young University - Idaho, Mechanical Engineering
 - o Cum Laude Graduate