



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 six issued patents and multiple patents pending. 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, trailers, oil and gas equipment, exercise equipment and manufacturing equipment.

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, safe equipment design, and design safety reviews.

Experienced expert witness having drafted over 200 reports/declarations in patent cases as well as catastrophic injury and death cases. Design and built multiple custom testing devices obtain data and evaluate opinions. Created multiple demonstratives to explain the mechanics and circumstances of accident sequences and patented devices. Testified in deposition 10 times.

#### **EDUCATION**

- MBA, Brigham Young University, Emphasis in Product Development (2011)
- Masters of Science, Mechanical Engineering, Brigham Young University (2011)
  - Thesis: Off-axis Stiffness and Piezoresistive Sensing in Large-displacement Linear-motion MEMS
  - 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
  - Cum Laude Graduate