

## *Nathan Morrill, P.E.*

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### **Education**

A.S. Pre-Engineering, Utah Valley State College, 2001  
 B.S. Mechanical Engineering, University of Utah, 2004  
 Registered Professional Structural Engineer, Utah License # 5567105-2203  
 Registered Professional Engineer, Florida License # 72189  
 Registered Professional Engineer, Texas License # 120869  
 Certified Safety Professional, CSP-30841

### **Experience**

Mr. Morrill is currently employed at Alpine Engineering and Design, Inc. as an Engineering Project Manager. He has worked for Alpine Engineering and Design, Inc. since 2000 while concurrently attending college. While attending Utah Valley State College he was a member of Phi Beta Kappa, a national academic honor society, and on the Dean's List.

During his employment he has been involved in the design, development, analysis, and improvement in a wide variety of products. These include refuse equipment, specialty trailers, liftgates, man lifts, exercise equipment, cranes, container covers, end dumps, belly dumps, side dumps, mobile hydraulically operated equipment, industrial plant equipment, high thrill rides, and zip lines.

Through his employment Mr. Morrill has gained experience in many areas of project design. These include concept generation, reverse engineering, stress analysis, finite element analysis, prototyping, modeling, manufacturing, and assisting in the patenting process.

Mr. Morrill is certified trainer for lift truck operators. He has taken several continuing education classes in computer modeling and analysis including Solidworks, and Simulation.

### **Patents Issued:**

7,341,157	Enclosed-reeving, live-line boom
7,413,234	Tarping system for open top containers
7,458,629	Tarping system for open top containers
7,673,926	Tarping system for open top containers
7,762,616	Cross-member for a trailer frame and a trailer frame incorporating the same
7,954,877	Tarping system for open top containers
8,287,026	Tarping system for open top containers
8,998,287	Roll Tarp System
9,415,667	Roll Tarp System