

**DAVID A. STRAYER, P.E.***Senior Design Engineer***BACKGROUND**

Mr. Strayer has extensive mechanical design experience from the high tech of the “Silicon Forest” to the low tech of rubber compression molding. He has worked for several companies to develop cutting edge products or improve product performance. The foundation for his design focus is improving reliability, functionality, safety, and ease of use to the end user while reducing cost and complexity. This fundamental approach to design is complimented by sound design practices and research into cutting edge technologies. He often works directly with the manufactures assigned to the product to ensure the design minimizes production and life cycle costs.

His mastery of computer aided design software allows him to accurately present new designs to his customers early in the design cycle. By sharing these virtual prototypes early in the project, Mr. Strayer ensures that all aspects of the customer’s design intent are incorporated into the project. These changes made early in the design cycle reduce the development time, cost and change orders.

Design engineering is about working with people, not just computers. Mr. Strayer has managed large projects and vendors to meet customer requirements. He often writes procedures that include test procedures and trouble-shoot guidelines. He routinely writes installation guides for his designs not only in the factory, but for field improvement projects. The details of these procedures reduce down time, keep the installer safe, and improve uniformity of installation throughout the product line.

He is a Major in the Oregon Army National Guard and the Commander of an Aero Medical Evacuation Company. As the Company Commander, MAJ Strayer routinely manages large groups of people with extensive skill specialties under time critical situations. He utilizes this leadership and organizational experience in his Engineering project management from inception through project completion. His ability to organize and focus communication between personnel with different specialties streamlines the large project management process. The result is deadlines are met and costs are within budget.

**PRIMARY SKILL AREAS**

- Machine Design/Analysis
- Project Management
- Computer Aided Design (CAD)

## **EDUCATION**

**Bachelor of Science, Mechanical Engineering (BSME),**  
Oregon State University, Corvallis, Oregon

## **PROFESSIONAL ASSOCIATIONS**

American Society of Mechanical Engineers (ASME)  
Treasurer 2005-2007  
Chair 2007-2008  
National Society of Professional Engineers (NSPE)  
Professional Engineers of Oregon (POE)  
American Council of Engineer Companies of Oregon (ACEC Oregon)  
Planning Committee Member for 2005-2008  
Army Aviation Association of America (AAAA)