

Evan Stover

4359 Eden Hill Rd
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Independent Wood Products Consultant

As a founding Partner at L & E Stover Enterprises, I have provided training and consulting services to internationally-ranked universities, international companies, and small businesses relating to the American wood products industry.

My consulting experience includes: analysis of defects in wood products to determine their origin or cause, testing product design modifications to improve service life, analysis of lumber dry kilns and storage facilities to quantify efficiency and improve product quality, training industry professionals, development of a novel dry kiln analysis system to track variations and kiln climate, lumber moisture loss and control system accuracy, designing and drafting patent applications for a novel hardwood flooring assembly system.

Professional Experience

Penn State University (World class research university, Big 10) -- 9 projects

Trained 500+ professionals in the American wood products industry in cooperation with Penn State Extension (2011 to 2015).

Armstrong World Industries (AWI, Market cap: \$3B) – 4 projects

Assisted with the acquisition and implementation of new manufacturing technology 2011; Evaluated new technologies and products 2013; Provided product defect analysis and quality control recommendations 2013; Advised material selection for new product line and developed of material evaluation protocols 2014.

Masco Corporation (MAS, Market cap: \$8.2B) – 5 projects

Analyzed and mitigated product defects 2011(a); Analyzed and mitigated product defects 2011(b); Trained dry kiln operators and evaluated lumber dry kiln operational status 2014; Analyzed and mitigated product defects 2014; Evaluated climate control in the manufacturing facilities 2014.

Elkay Manufacturing Company (Private, est. 1920) -- 4 projects

Designed and conducted product performance evaluations comparing multiple assembly methods to determine which method would reduce assembly cost while increasing product performance 2012; Analyze dry kilns, development of data collection system, and modified dry kiln schedule 2013; Analyzed and mitigated product defects 2013; Evaluated climate control in the manufacturing facilities 2014; Designed and performed a dry kiln quality-control assessment evaluating kiln and schedule performance 2015.

George Nakashima Woodworker (Artist, Small Business, PA USA) – 2 projects

Developed operating procedures for storing lumber to reduce fungus and insect degrade 2013; Analyze dry kiln performance and recommended modifications that improved quality and reduce drying time 2014.

Matthews International Corporation (MATW, Market cap: \$1.8B) – 1 project

Evaluated proposals for new dry kiln facility to determine their functionality 2014.

Metzler Forest Products (Small business, PA USA) – 1 project

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Researched and developed a novel system for drying firewood tailored to the manufacturer's constraints 2015.

Big Valley Lumber (Small business, PA USA) – 1 project

Designed and advised construction of a kiln for drying softwood and hardwood lumber tailored to the business owners' needs 2014.

Education

2011 Bachelor of Science, Biology, Pennsylvania State University, University Park, PA 16802

Professional Affiliations

Member of the Board of Directors for the Keystone Kiln Drying Association; Invited speaker at the Keystone Kiln Drying Association; Invited speaker at the Private Forest Landowner Conference; Invited speaker at the PA Governors Occupational Safety and Health (GOSH) conference; Member of the Hardwood Plywood Veneer Association