



## Increase your bottom line and market share with proven methods.

# James R. Wixson, MEngr, MBA, BSIE

Mr. Wixson, owner of Wixson Value Solutions, LLC, is a consultant and expert in the application of **Systems Engineering and Lean and Value Methodologies (VM)** to achieve your company's goals in the areas of new product development that increase quality and reliability at a lower overall lifecycle product cost. These methodologies of **Lean Manufacturing and Six Sigma with Value Engineering are integrated** to create a **World Class Development and Manufacturing** environment where these proven technologies work together. These technologies can also be applied in the administrative areas of your business to reduce overhead and improve your bottom line.

Mr. Wixson will work on-site by your side at your company. He offers classroom training, one-on-one coaching, and project work individually or as part of a team. He will work at all levels of the organization to improve value and improve your company's bottom line.

## Proven Improvement Methods

Jim Wixson is educated and experienced in the application and training of the latest Systems Engineering methodologies focused on lean product and process development. He holds a Master's Degree in Systems Engineering, a Master's in Business Administration and a Bachelor Degree in Industrial Engineering. He holds certifications in Lean-Six Sigma, Value Engineering and Manufacturing Engineering. Jim has over 30 years of experience in a wide variety of industries and roles including manufacturing, aerospace and nuclear industries. He has designed and taught Quality Assurance and Quality Management courses for under graduate and graduate students at a major university for both classroom and on line instruction. He can assist your company in the implementation methods and techniques to improve product development, system performance, quality and reliability, and achieve customer satisfaction through meeting customer requirements at the lowest possible life cycle cost.

- Specialties**  
 Value Analysis, Value Engineering, Value Management, Lean, Six Sigma, Product and Process Improvement, Cost Reduction, Quality Improvement, Reliability Improvement, Root Cause Analysis, Problem Solving
- Website**  
<http://wvasolutions.com>

### Kelly Davis

General Manager, Trebor International at IDEX Corporation

"Jim is as dedicated to professional development as anyone you will ever find. He exceeds expectations and goes the extra mile with everything he is involved in. Jim is an asset to any company or organization he is involved in."

### Saul Bankaitis

Senior Partner and Consultant  
 Collinear Group, Seattle, WA

"Jim has been an asset to our company as he works hard, has excellent industry knowledge, as is able to leverage our company forward through results."

### Harold Ro

Systems Engineer at Boeing Company

"Jim was an excellent Systems Engineer who worked as a part of 787 airplane program team. Jim was reliable and detail person who had full understanding of Requirements and Verification activities."

**Wixson Value Solutions, LLC**  
**James R. Wixson, CVS, CMfgE**  
 Owner and Principal Consultant

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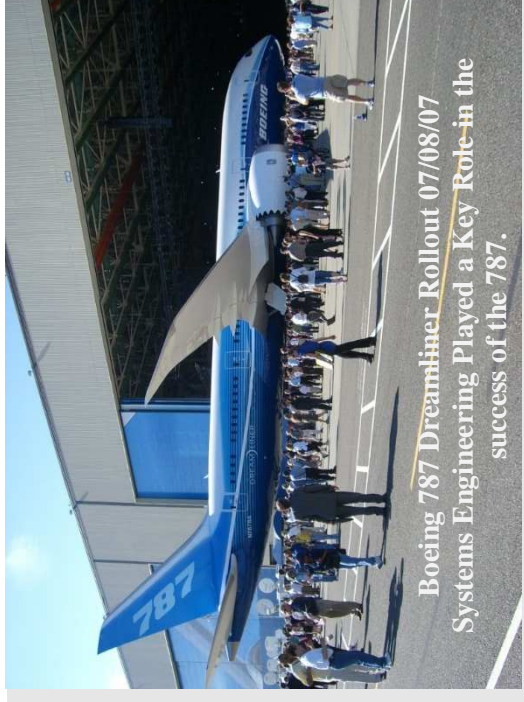
## Clients Served

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| <ul style="list-style-type: none"> <li>• AECI, Chalk River Nuclear Laboratory Ontario, CAN</li> <li>• B&amp;B Fabricators, Irvington, WA</li> <li>• Baker International, Inc.</li> <li>• Bechtel BBWI (INL)</li> <li>• Boeing, Everett, WA</li> <li>• CH2M Washington Group, LLC</li> <li>• Curtiss-Wright Avionics Systems, Santa Clarita, CA</li> <li>• DOE-RL, Richland, WA</li> <li>• EG&amp;G Idaho, Inc.</li> <li>• EG&amp;G Rocky Flats, Inc.</li> <li>• EIMCO Mining Machinery</li> <li>• EIMCO Process Equipment</li> <li>• Entec Composite Machines, SLC, UT</li> <li>• George E. Whalen VA Medical Center, SLC, UT</li> </ul> | <ul style="list-style-type: none"> <li>• Lockheed-Martin Idaho Technologies Company, Inc.</li> <li>• Parker-Hannifin Aerospace</li> <li>• Pillsbury Food Processing, Shelley, ID</li> <li>• Pyke Manufacturing, Inc., SLC, UT</li> <li>• Raytheon Aerospace, SLC, UT</li> <li>• Rockwell-Collins Aerospace, Cedar Rapids, IA</li> <li>• Scholl Packaging, Chicago, IL</li> <li>• Sperry Defense Systems</li> <li>• University of Idaho</li> <li>• US Air Force, Falcon AFB, CO.</li> <li>• Upper Atmospheric Research Lab, Logan, UT</li> <li>• Vaupell Plastics, Seattle, WA</li> <li>• WEIR Rubber Engineering, Inc.</li> <li>• Westinghouse Nuclear, Idaho Operations</li> <li>• Wurlitzer Piano Company, Logan, UT</li> </ul> |
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## Consulting and/or Training Services

- Systems Engineering
- Requirements Identification
- Requirements Validation and Verification
- Value Engineering Training & Facilitation
- Product and Process Improvement.
- Lean Six-Sigma.
- Root Cause Analysis and Problem Solving.
- Failure Modes and Effects Analysis FMEA
- Event and Causal Factor Analysis
- Project Management/Project Engineering
- Risk Management
- Reliability Improvement
- Plant Layout and Optimization

## Success Stories



Boeing 787 Dreamliner Rollout 07/08/07  
Systems Engineering Played a Key Role in the success of the 787.

- **Aerospace Value Engineering FMEA** - Resolved critical flight control failure on Boeing 737 elevator feel computer that was failing in final test. This resulted in improved reliability of the component and maintained company's "Preferred Provider" status with Boeing and contributed to winning new business worth over \$100M and saved over \$1M in rework and assembly of replacement parts.
- **Implemented Value Engineering Program** resulting in \$6.4M cost savings and win of a \$300 M Multi-Year Business Agreement with a major commercial aircraft manufacturer.
- **Value Engineering** effort identified over \$6.0M in potential savings on an Environmental Compliance Re-engineering Effort.
- **Facilities and Infrastructure Sustainment and Maintenance Planning:** Team Lead in the development of a parametric economic model to estimate deferred maintenance, sustainment, and periodic repair and replacement costs for 472 buildings and infrastructure components with a Replacement Plant Value of over \$6B.
- **Remote Handled Transuranc Waste to WIPP Project:** Lead Systems Engineer responsible for Value Engineering and Systems Engineering, Requirements Analysis, Process Flow development and trade studies to evaluate alternative designs and plans for retrieval, repackaging, and shipment of contact handled and remote handled transuranic waste to the DOE Waste Isolation Pilot Plant (WIPP) in Carlsbad, NM.
- **Supplier Operations Consultant** – consultant to Boeing purchasing agents and Tier 1 and 2 suppliers assessing companies to identify and mitigate key risk areas and insure rate increase readiness for a projected 40% increase in overall aircraft production over a 5 year period to insure Boeing's on-time delivery of airplanes.
- **Principal Systems Engineering Consultant** on the design and development of the Boeing 787 Dreamliner and Boeing's CORE Systems Engineering group supporting all wide bodied commercial aircraft in DFMA, lean-six sigma, risk management (BORIS), and value engineering methods and techniques. Consulted on the CORE Systems Engineering project providing comprehensive general systems engineering support for the design and development of new products and redesign of existing products for the Boeing 787 and 777 aircraft using DFMA and Value Engineering.